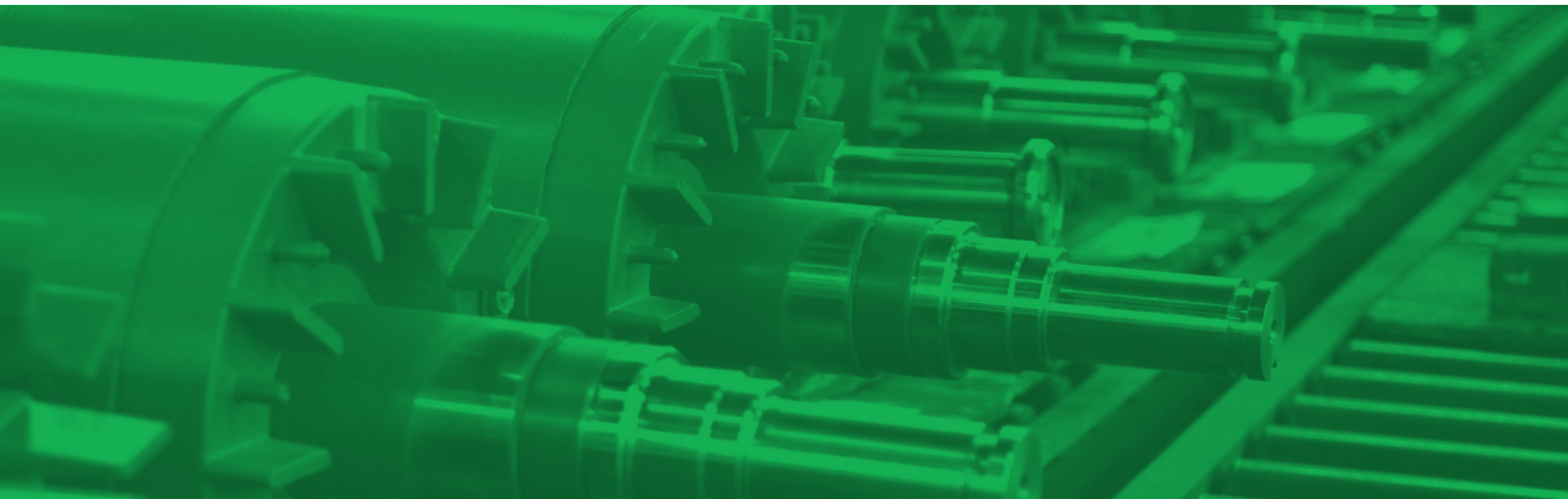


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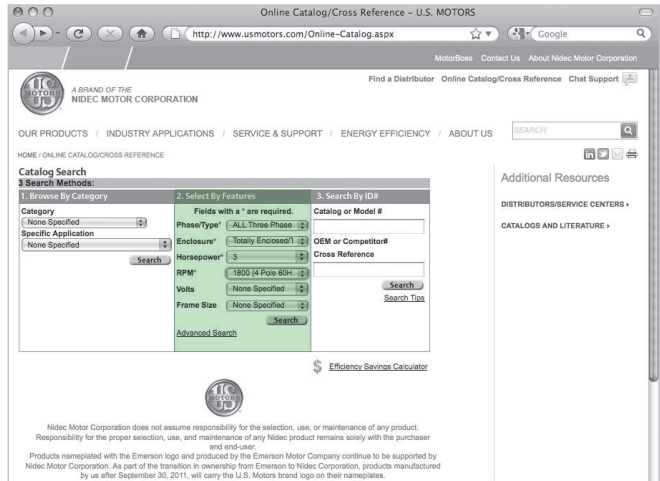
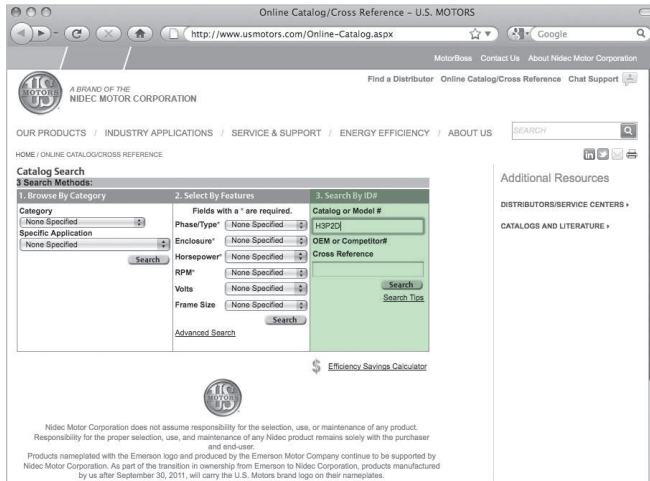
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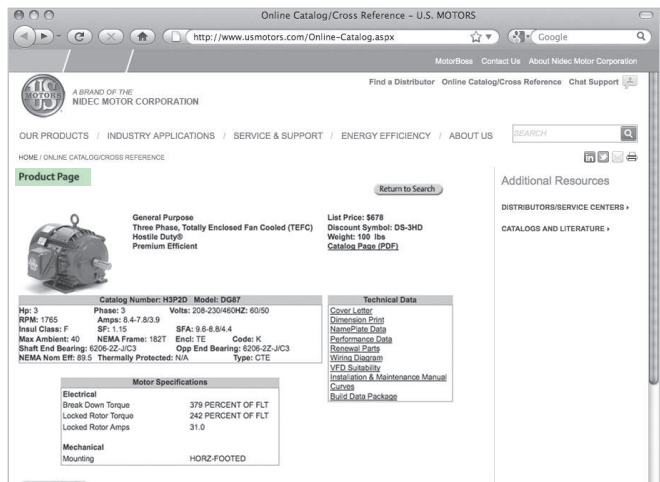
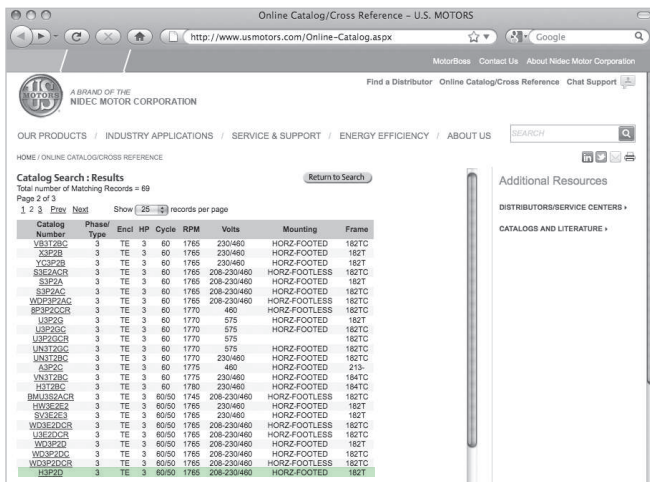
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	Volts* None Specified	
	Frame Size* None Specified	
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Product Page

General Purpose
Three Phase, Totally Enclosed Fan Cooled (TEFC)
B41 Plus®
Premium Efficient

List Price: \$1949
Discount Symbol: DS-841
Weight: 185 lbs
Catalog Page (PDF)

Catalog Number: 8P10P1C Model: DE83

Technical Data	
Flp: 10	Phase: 3
RPM: 3620	Volts: 460
Invsl Class: F	NZ: 80
Max Ambient: 40	Amps: 13.8
Shaft End Bearing: 40BC02J3	SF: 1.15
NEMA Nom Eff: 91.0	NEMA Frame: 215T
	Encl: TE
	Code: 0
	Opp End Bearing: 40BC02J3
	Type: CE

Motor Specifications	
Electrical	
Break Down Torque	293 PERCENT OF FLT
Locked Rotor Torque	174 PERCENT OF FLT
Locked Rotor Amps	79.3
Mechanical	
Mounting	HORZ. FOOTED

Technical Data	
Cover Letter	
Dimension Print	
Nameplate Data	
Performance Data	
Renewal Parts	
Wiring Diagram	
Information Sheet	
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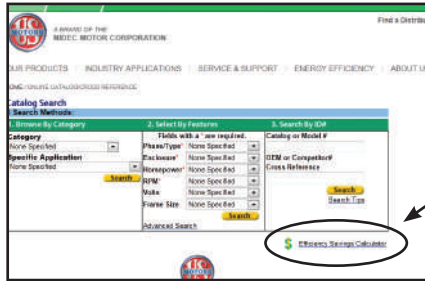


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Efficiency Savings Calculator

Find out how much you can save annually by switching to a Premium Efficient motor by using the on-line Energy Efficiency Calculator.

www.motorboss.com/ecat/search/html/calculator.html



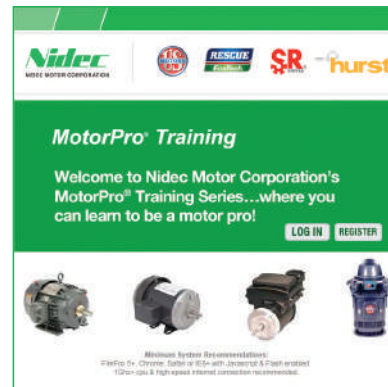
Premium Efficiency Motor Horsepower:	100
Percent Load:	100%(Full)
If you select 'Other', please enter your percent load (ie. 35)	
Energy cost per kilowatt hour: (ie. 12)	10
Running Time:	40 Hrs/Week
If you select 'Other', please enter your runtime hours per week (ie. 60)	
Efficiency(%) of Standard or EPACT Efficiency Motor: (ie. 91)	91
Efficiency(%) of EPACT or Premium Efficiency Motor: (ie. 94)	94
<input type="button" value="Calculate"/>	
Annual Savings: \$544	
<input type="button" value="Reset Quantities"/>	

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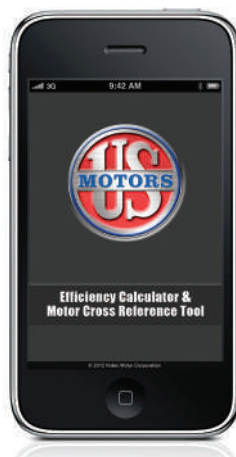
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New Product Offerings



STEEL EDGE™ Rolled Steel Motors

8

- Rolled Steel Frame
- Totally Enclosed Fan Cooled
- Rugged Motor Base
- EISA Compliant
- Sealed Bearings - 56 to 140 Frame
- Double Shielded - 180 to 210 Frame



HURST® Motors and Gearing

127

- Geared Stepping and Synchronous Motors
- Geared Brushless DC Motors
- Brushless DC with GREENDRIVE® Motor Control
- AC induction and Brushless DC Linear Actuators
- NEMA®† 42C, General Purpose Permanent Split Capacitor TEFC and TENV Motors



RESCUE® EcoTech™ ECM Direct Drive Blower Motors

154

- ECM for PSC Replacement
- Open Air Over
- Multi Horsepower rated for flexibility
- Active Air Flow Management



VariTough® Commercial Condenser Fan Motors

168

- INVERTER GRADE® Insulation System
- Thermostat Overload Protection
- Exclusive Mounting Provisions for AEGIS SGR® Bearing Protection Ring



Expanded Washdown Duty Motor Ratings

191

- TEFC or TENV enclosures
- Rigid Base
- C-Face Footed; C-Face Footless or Yoke Mount
- INVERTER GRADE® Insulation System



Inverter Duty Vertical HOLLSHAFT® Motors with Bearing Protection System

276

- First vertical motor of its kind to include a shaft ground ring
- Shaft ground ring installed internally on 40 horsepower and above
- Insulated bearing on 100 HP and larger
- Normally closed thermostats provide over-temperature protection on 40 HP and larger

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NIDEC MOTOR CORPORATION



Manufacturing Facility
MENA, AR



a successful combination of technology and engineering...

Since 1922 we have been the number one choice in the vertical pump motor marketplace. All motors are designed, manufactured and tested in facilities certified to ISO 9001.9002 standards.

...backed by extensive world-class testing facilities

Our exclusive Motor Technology Center, a \$30 million, 130,000-square-foot facility is the world's premier motor engineering center, supporting our companies and their customers in developing advanced motors and electronic controls. Located in St. Louis, it offers comprehensive design, analysis, prototyping and testing services, and features state-of-the-art laboratories and test facilities. No other manufacturer offers these extensive world-class designated testing facilities.

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Important Information

Application and Brand Index

IMPORTANT INFORMATION

Nidec Motor Corporation has made every effort to ensure the integrity of the contents of this catalog. However, Nidec Motor Corporation cannot accept responsibility for errors, that may have been caused by changing model/catalog numbers, or for typographical or clerical errors in the preparation of this catalog. The motor data and dimensions are provided are for reference only. Certified dimensions and performance data will be furnished upon request. Prices are subject to change without notification.

Nidec Motor Corporation does not assume responsibility for the selection, use, or maintenance of any product. Responsibility for the proper selection, use, and maintenance of any Nidec Motor Corporation product remains solely with the purchaser and end-user. Nidec Motor Corporation is responsible for the quality and workmanship of our products. The purchaser and end user assume full responsibility for the total system design and functionality of the application utilizing such motors and drives as validated by purchaser's or the end user's qualification and governing standards compliance testing. All technical advice provided by Nidec Motor Corporation with respect to the incorporation of our products into your application is given without charge and Nidec Motor Corporation assumes no obligation or liability for the advice given or the results obtained.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, except for Nidec Motor Corporation's standard Limited Warranty stated herein, they are not to be construed as warranties or guarantees, expressed or implied, regarding the products described herein or their use or applicability. Nidec reserves the right to modify or improve the designs or specifications of such products at any time without notice.

The following is a list of Nidec Motor Corporation's U.S. trademarks for products and services in this catalog. Nidec Motor Corporation trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.

841 PLUS®	EXTREME E®	MOJAVE®	TITAN®
ALLGUARD®	E-Z Access™	MOTORBOSS®	UNIMOUNT®
ACCU-Torq®	EZ-FIT®	MOTORPRO®	US MOTORS®
BALLOMATIC®	EZ48®	ReadyLine®	WORLDMOTOR®
CORRO-DUTY®	HOLLOSHAFT®	RESCUE®	
ECONOMIZER®	INVERTER GRADE®	RESCUE EcoTech®	

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Agency Approvals

ISO 9001:2000 Certified

By British Standards Institute of America

CSA International (CSA®†)

Formally the Canadian Standards Association

CSA®† sets safety standards for motors and other electrical equipment used in Canada. The motors that meet the CSA®† standards display the CSA®† logo on the nameplate.

Underwriters Laboratories, Inc. (UL®†)

UL®† is an independent testing organization that sets safety standards for motors and other equipment and U.S. Motors® brand are UL®† component recognized.

Conformité Européenne European Community (CE Certification)

Nidec Motor Corporation provides a full line of general purpose CE certified motors. The CE marking indicates that the product complies with the essential requirements for health, safety, environmental and consumer protection. The CE mark can only be placed on those products that comply with the applicable European Directive. For U.S. Motors® brand, the CE logo is currently applied to non-hazardous location motors rated 1000 volts or less, frame 180 through 449, Dripproof and Totally Enclosed Fan Cooled enclosures. Many Nidec Motor Corporation motors have the CE logo. For information on motors with CE logos, contact your Nidec Motor Corporation representative. Other motors within this catalog that meet CE requirements will be labeled and certified to meet CE.

UL®† & CSA®† Listings

	UL®†		CSA®†	
	IHP	FHP	IHP	FHP
General Construction	E51488	E22922	191252	156060
Hazardous Location	E10336	E29183		
Thermal Protection	E38946	E10073		
Fire Pump	EX5189	-	-	-

*For details on VFD for these motors, refer to Suitability of IHP Motors on Variable Frequency Drives (VFD), page vii.

Suitability of Integral Horsepower (IHP)* Motors on Variable Frequency Drives

Variable Frequency Drives (VFD)

All Nidec Motor Corporation inverter duty motors have 40°C ambient, 1.0 SF on Inverter Power, 3300 ft. max altitude, 460 voltage or less line power, up to 10:1 speed range on Variable Torque and Class F Insulation.

Nidec Motor Corporation's INVERTER GRADE® insulated motors exceeded NEMA® MG-1 Part 30 & 31 before the standards were established.

We are a leader in the development of electric motors to withstand pulse width modulated (PWM) drives evolution from power transistors to higher switching frequency insulated gate bipolar transistors (IGBTs).

Today, as the need for medium duty motor inverter applications grows, Nidec Motor Corporation provides products to meet these demands.

Through continued research and development, Nidec Motor Corporation has included the insulation wire from its INVERTER GRADE® motors in all Premium Efficient motors, enhancing their potential inverter compatibility.

Inverter compatibility with motors is complex. As a result, many variables must be considered when determining the suitability of certain types of motors. These variables include:

- Torque requirements (Constant or Variable)
- Speed Range
- Line/System Voltage
- Cable Length between VFD & Motor
- Drive Switching (Carrier) Frequency Motor Construction
- VFD dv/dt
- High Temperatures High Humidity

Wider speed ranges, higher voltages, higher switching frequencies and increased cable lengths all add to the severity of the application and therefore the potential for premature motor failure. Nidec Motor Corporation has differentiated its products into families for your ease of selection for various inverter applications.

Warranty Guidelines

The information within this section refers to the motor and drive application guidelines and limitations for warranty.

Hazardous Location Motors

Use of a variable frequency drive with the motors in this catalog, intended for use in hazardous locations, is only approved for Division 1, Class I, Group D hazardous location motors with a T2B temperature code, with a limitation of 2:1 constant torque or 10:1 variable torque output. No other stock hazardous location motors are inherently suitable for operation with a variable frequency drive. If other requirements are needed, including non-listed Division 2, please contact your Nidec Motor Corporation territory manager to conduct an engineering inquiry.

575 Volt Motors

575 volt motors can be applied on inverters when output filters are used.

Applying INVERTER GRADE® Insulated Motors on Variable Frequency Drives (2, 4, 6 pole)

The products within this catalog labeled "Inverter Duty" or "Vector Duty" are considered INVERTER GRADE® insulated motors. INVERTER GRADE® motors exceed the NEMA® MG-1 Part 31 standard.

Nidec Motor Corporation provides a three-year limited warranty on all NEMA® frame INVERTER GRADE® insulated motors and allows long cable runs between the motor and the VFD (limited to 400 feet typical without output filters). Cable distance can be further limited by hot and humid environments and VFD manufacturers cable limits. These motors may be appropriate for certain severe inverter application or when the factors relating to the end use application are undefined (such as spares).

Nidec Motor Corporation's U.S. Motors® brand is available in the following INVERTER GRADE® insulated motors:

- Inverter Duty motors good for 10:1 Variable Torque & 5:1 Constant Torque, including Vertical Type RUSI
- Inverter Duty motors good for 10:1 Constant Torque
- ACCU-Torq® and Vector Duty Motors with full torque to 0 Speed
- 841 Plus® Motors

Applying motors that do not have INVERTER GRADE® insulation on Variable Frequency Drives (2, 4, 6 pole)

Meet NEMA® MG-1, Section IV, Part 31.4.4.2. They can be used with adjustable frequency drives under the following parameters: Up to 4:1 speed range on constant torque loads. Cable distances are for reference only and can be further limited by hot and humid environments. Refer to specific VFD manufacturers cable limits.

Cable Distances			
Maximum Cable Distance VFD to Motor			
Switching Frequency	460 Volt	230 Volt	380 Volt
3 Khz	127 ft	400 ft	218 ft
6 Khz	90 ft	307 ft	154 ft
9 Khz	73 ft	251 ft	126 ft
12 Khz	64 ft	217 ft	109 ft
15 Khz	57 ft	194 ft	98 ft
20 Khz	49 ft	168 ft	85 ft

Applying Standard & Energy Efficient Motors on Variable Frequency Drives is not recommended. VFD related failures on standard and energy efficient motors 444 frame and above will not be covered under warranty.

*This information applies only to Integral Horsepower (IHP) motors as defined on the Agency Approval page, under UL® & CSA® listings where indicated.

† All marks shown within this document are properties of their respective owners.



Motor / Inverter Compatibility

Thermal Overloads and Single Phase Motors

Motors with thermal overloads installed may not operate properly on a VFD. The current carrying thermal overload is designed for sine wave power. Operation on a VFD may cause nuisance tripping or potentially not protect the motor as would be expected on line power. Thermo-stats or thermistors installed in the motor and connected properly to the VFD may provide suitable thermal overload protection when operating on a VFD. (Consult Codes)

Single phase motors and other fractional horsepower ratings are not designed to be operated on a VFD. Within Nidec Motor Corporation standard products, all motors NEMA^{®†} 48 frame (5.5" diameter) and smaller are not suitable for VFD applications. Three phase 56 and 143/145 frame applications should be noted on the catalog price page; or if in doubt ask an Nidec Motor Corporation technical representative for recommendations on compatibility with a VFD.

Slow Speed Motors

Motors with a base design of slower than six poles require special consideration regarding VFD sizing and minimizing harmonic distortion created at the motor terminals due to cable installation characteristics. Additional external PWM waveform filters and shielded motor cables designed for PWM power may be required to provide acceptable motor life. Harmonic distortion on the output waveform should be kept to a minimum level (less than 10%).

690V Applications

Motors that will be applied to 690VAC PWM VFDs require the use of an external filter to limit peak voltage spikes and the use of an INVERTER GRADE[®] motor. Where available, an alternative to using an output filter is to upgrade to a 2300V insulation system.

Low Voltage TITAN[®] Motors

When using 449 frame and larger motors on PWM type VFDs consider the use of an external filter and shielded motor cables designed for PWM power to minimize harmonic distortion and peak voltages at the motor terminals. Harmonic distortion on the output waveform should be kept to a minimum level (less than 10%).

Bearing Currents related to PWM waveform

Due to the uniqueness of this condition occurring in the field, protection of the motor bearings from shaft currents caused by common mode voltages is not a standard feature on sine wave or Inverter Duty motor products, unless explicitly noted. Some installations may be prone to a voltage discharge condition through the motor bearings called fluting.

Fluting damage is related to characteristics of the PWM waveform, VFD programming and characteristics and installation.

Bearing fluting as a result of VFD waveform characteristics may be prevented by the installation of a shaft grounding device such as a brush or ring and/or correction of the installation characteristics causing the shaft voltage condition. Insulated bearing(s) may be required. VFD filters may be needed if bearing fluting is to be avoided.

Multiple Motors on a Single VFD

Special considerations are required when multiple motors are powered from a single VFD unit. Most VFD manufacturers can provide guidelines for proper motor thermal considerations and starting/stopping of motors. Cable runs from the VFD and each motor can create conditions that will cause extra stress on the motor winding. Filters may be required at the motor to provide maximum motor life.

Grounding and Cable Installation Guidelines

Proper output winding and grounding practices can be instrumental in minimizing motor related failures caused by PWM waveform characteristics and installation factors. VFD manufacturers typically provide detailed guidelines on the proper grounding of the motor to the VFD and output cable routing. Cabling manufacturers provide recommended cable types for PWM installations and critical information concerning output wiring impedance and capacitance to ground.

Vertical Motors on VFDs

Vertical motors operated on VFD power present unique conditions that may require consideration by the user or installation engineer:

- Non-reversing-ratchet operation can interfere at low speeds (up to 300 RPM) causing locked rotor and drive tripping.
- Unexpected / unacceptable system vibration and or noise levels caused by the torque pulsation characteristics of the PWM waveform, a system critical frequency falling inside the variable speed range of the process or the added harmonic content of the PWM waveform exciting a system component
- Application related problems related to the controlled acceleration/ deceleration and torque of the motor on VFD power and the building of system pressure/ load.
- The impact the reduction of pump speed has on the down thrust reflected to the pump motor and any minimum thrust requirements of the motor bearings
- Water hammer during shutdown damaging the non-reversing ratchet

Humidity and Non-operational Conditions

The possible build-up of condensation inside the motor due to storage in an uncontrolled environment or non-operational periods in an installation, can lead to an increased rate of premature winding or bearing failures when combined with the stresses associated with PWM waveform characteristics. Moisture and condensation in and on the motor winding over time can provide tracking paths to ground, lower the Megohm resistance of the motor winding to ground, and lower the Corona Inception Voltage level of the winding.

Proper storage and maintenance guidelines are important to minimize the potential of premature failures. Space heaters or trickle voltage heating methods are the preferred methods for drying out a winding that has low megaohm readings. Damage caused by these factors are not covered by the limited warranty provided unless appropriate heating methods are properly utilized during non-operational periods and prior to motor start-up.

**NEMA^{®†} Application Guide for AC Adjustable Speed Drive
Systems: <http://www.nema.org/stds/acadjustable.cfm#download>**

*This information applies only to Integral Horsepower (IHP) motors as defined on the Agency Approval page, under UL^{®†} & CSA^{®†} listings where indicated.

† All marks shown within this document are properties of their respective owners.

Limited Warranty

Refer to usmotors.com website for the most up-to-date warranty information.

All Nidec Motor Corporation products shall carry the limited warranty of 12 months from the date of installation, not to exceed 18 months from date of manufacture as specified in Section 5 of the Nidec Motor Corporation's Terms and Conditions of Sale except those specifically listed below, or noted within individual product family pages within this catalog.

Industrial Motors 140 - 447 Frames	Installed / Manufactured	Installed / Manufactured
	Sine Wave Power	VFD Power
Epact	18 / 24 months	12 / 18 months
Premium Efficient & NEMA® Premium	36 / 42 months	24 / 30 months
Inverter Duty	36 / 42 months	36 / 42 months
841 PLUS®	60 / 66 months	24 / 30 months
Auto Duty Premium Efficient	36 / 42 months	24 / 30 months
Single Speed NEMA® Premium Efficient Cooling Tower	36 / 42 months	24 / 30 months
ACCU-Torq®	36 / 42 months	24 / 30 months
TITAN Motors - 449 Frame and Larger	Sine Wave Power	VFD Power
Auto Duty Premium Efficient	24 / 30 months	18 / 24 months
Premium Efficient	24 / 30 months	18 / 24 months
841 PLUS®	24 / 30 months	18 / 24 months
Inverter Duty	24 / 30 months	24 / 30 months

Deferred & Extended Warranty Information

DEFERRED AND EXTENDED WARRANTIES (OPTIONAL WARRANTIES)

Deferred and extended warranties, defined as follows, apply only to 449 frame and larger horizontal and vertical motors, for use in the continental United States only. All optional warranties must be approved in writing by Nidec Motor Corporation. Contact Marketing for Approval.

Deferred Warranty

Nidec Motor Corporation's limited warranty, as set forth in the standard terms and conditions of sale, page x, shall apply subject to the following modification: for a 5% addition to the net price of the motor ("Net Adder"), the warranty period on the motor will be for a period of one year (or more for applicable products) from that date of initial operation, but not in excess of 60 months from the date of shipment subject to the following conditions:

- That within thirty days prior to initial operation, a Nidec Motor Corporation (NMC) Service Engineer, or authorized NMC Service Station, be hired by the Buyer at Buyer's expense, to thoroughly inspect the motor to ascertain that the motor is in "as shipped" condition. This inspection will include but not be limited to:
 - Megger test of winding insulation.
 - Internal inspection to determine that the winding has not been damaged and that the motor is clean and dry.
 - Inspection of the bearings to determine they have not been damaged and there is no water in the oil reservoirs.
 - External inspection to determine that no damage has been made.
- Make any corrections which this inspection shows to be needed because the motor has been in storage or standing idle. These corrections will be made at Buyer's expense if corrections required are due to causes other than defects in material or workmanship.
- That an affidavit certifying that the motor has successfully passed the inspection and is in "as shipped" condition be supplied to NMC by Buyer. Failure to provide NMC with the affidavit certifying that the motor has passed inspection and is in "as shipped" condition will result in voiding the warranty.

Extended Warranty

When Buyer's specification requires a warranty period longer than the limited warranty set forth in Nidec Motor Corporation's standard terms and conditions of sale, page x, the net price of each motor will be increased according to the schedule, which follows. Nidec Motor Corporation may accept an order with up to 60 months coverage.

From Mfg. Date	From Install	Net Adder
30 months	24 months	2%
42 months	36 months	3%
54 months	48 months	5%
66 months	60 months	6%

† All marks shown within this document are properties of their respective owners.



Terms & Conditions of Sale

Nidec Motor Corporation, referred to herein as the "Seller" and the customer or person or entity purchasing goods ("Goods") from Seller is referred to as the "Buyer." These Terms and Conditions, any price list or schedule, quotation, acknowledgment or invoice from Seller relating to the sale of the Goods and all documents incorporated by specific reference herein or therein, constitute the complete and exclusive statement of the terms of the agreement governing the sale of Goods by Seller to Buyer. Seller's acceptance of Buyer's purchase order is expressly conditional on Buyer's assent to all of Seller's terms and conditions of sale, including terms and conditions that are different from or additional to the terms and conditions of Buyer's purchase order. Buyer's acceptance of or payment for the Goods will manifest Buyer's assent to these Terms and Conditions. Seller reserves the right in its sole discretion to refuse orders.

1. **PRICES:** Prices for Goods, whether specified in Seller's price list or schedule, acknowledgment or written quotation, are subject to change without notice. Such prices shall be adjusted to reflect Seller's prices for Goods as in effect at the time of requested shipment date, and each shipment will be invoiced at such prices. All prices are exclusive of taxes, transportation and insurance, which are to be borne by Buyer.

2. **TAXES:** Any current or future tax or governmental charge (or increase in same) affecting Seller's costs of production, sale, or delivery or shipment, or which Seller is otherwise required to pay or collect in connection with the sale, purchase, delivery, storage, processing, use or consumption of Goods, shall be for Buyer's account and shall be added to the price or billed to Buyer separately, at Seller's election.

3. **TERMS OF PAYMENT:** Unless otherwise specified by Seller, terms are net thirty (30) days from date of Seller's invoice in U.S. currency. Seller shall have the right, among other remedies, either to terminate this agreement or to suspend further performance under this and/or other agreements with Buyer in the event Buyer fails to make any payment when due, which other agreements Buyer and Seller hereby amend accordingly. Buyer shall be liable for all expenses, including attorneys' fees, relating to the collection of past due amounts. If any payment owed to Seller is not paid when due, it shall bear interest, at a rate to be determined by Seller, which shall not exceed the maximum rate permitted by law, from the date on which it is due until it is paid. Should Buyer's financial responsibility become unsatisfactory to Seller, cash payments or security satisfactory to Seller may be required by Seller for future deliveries and for the Goods theretofore delivered. If such cash payment or security is not provided, in addition to Seller's other rights and remedies, Seller may discontinue deliveries. Buyer hereby grants Seller a security interest in all Goods sold to Buyer by Seller, which security interest shall continue until all such Goods are fully paid for in cash, and Buyer, upon Seller's demand, will execute and deliver to Seller such instruments as Seller requests to protect and perfect such security interest.

4. **SHIPMENT AND DELIVERY:** While Seller will use all reasonable commercial efforts to maintain the delivery date(s) acknowledged or quoted by Seller, all shipping dates are approximate and not guaranteed. Seller reserves the right to make partial shipments. Seller, at its option, shall not be bound to tender delivery of any Goods for which Buyer has not provided shipping instructions and other required information. If the shipment of the Goods is postponed or delayed by Buyer for any reason, Buyer agrees to reimburse Seller for any and all storage costs and other additional expenses resulting therefrom. Risk of loss and legal title to the Goods shall transfer to Buyer for sales in which the end destination of the Goods is outside of the United States immediately after the Goods have passed beyond the territorial limits of the United States. For all other shipments, risk of loss for damage and responsibility shall pass from Seller to Buyer upon delivery to and receipt by carrier at Seller's shipping point. All shipments are F.O.B. Seller's shipping point. Any claims for shortages or damages suffered in transit are the responsibility of Buyer and shall be submitted by Buyer directly to the carrier. Shortages or damages must be identified and signed for at the time of delivery.

5. **LIMITED WARRANTY:** Subject to the limitations of Section 6, Seller warrants that the Goods manufactured by Seller, other than those specifically identified below, will be free from defects in material and workmanship and meet Seller's published specifications at the time of shipment under normal use and regular service and maintenance for a period of twelve (12) months from the date of shipment of the Goods by Seller or eighteen (18) months from the date of manufacture, whichever occurs sooner, unless otherwise specified by Seller in writing. Partial Motors of any kind not fully assembled by Seller shall carry no warranty of any kind, express or implied. Products purchased by Seller from a third party for resale to Buyer ("Resale Products") shall carry only the warranty extended by the original manufacturer. **THE WARRANTY SET FORTH IN THIS SECTION 5 AND THE WARRANTY SET FORTH IN SECTION 7, ARE THE SOLE AND EXCLUSIVE WARRANTIES GIVEN BY SELLER WITH RESPECT TO THE GOODS AND ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHETHER OR NOT THE PURPOSE OR USE HAS BEEN DISCLOSED TO SELLER IN SPECIFICATIONS, DRAWINGS OR OTHERWISE, AND WHETHER OR NOT SELLER'S PRODUCTS ARE SPECIFICALLY DESIGNED AND/OR MANUFACTURED BY SELLER FOR BUYER'S USE OR PURPOSE.**

This warranty does not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, negligence (other than Seller's), unauthorized modification or alteration, use beyond rated capacity, unsuitable power sources or environmental conditions, improper installation, repair, handling, maintenance or application or any other cause not the fault of Seller. To the extent that Buyer or its agents has supplied specifications, information, representation of operating conditions or other data to Seller in the selection or design of the Goods and the preparation of Seller's quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.

If within thirty (30) days after Buyer's discovery of any warranty defects within the warranty period, Buyer notifies Seller thereof in writing, Seller shall, at its option and as Buyer's exclusive remedy, repair, correct or replace or refund the purchase price for, that portion of the Goods found by Seller to be defective. Failure by Buyer to give such written notice within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Seller shall have the right to require the Buyer to deliver the Goods to Seller's designated repair center or manufacturing facility. All costs associated with dismantling, reinstallation and transportation to and from Seller's designated repair center or manufacturing facility and the time and expense of Seller's personnel and representatives for site travel and diagnosis under this warranty shall be borne by the Buyer. Goods repaired or replaced during the warranty period shall be covered by the foregoing warranty for the remainder of the original warranty period or ninety (90) days from the date of shipment, whichever is longer. Buyer assumes all other responsibility for any loss, damage, or injury to persons or property arising out of, connected with, or resulting from the use of Goods, either alone or in combination with other products/components.

Section 5 applies to any entity or person who may buy, acquire or use the Goods, including any entity or person who obtains the Goods from Buyer, and shall be bound by the limitations therein, including Section 6. Buyer agrees to provide such subsequent transferee conspicuous, written notice of the provisions of Sections 5 and 6.

6. **LIMITATION OF REMEDY AND LIABILITY:** THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY HEREUNDER (OTHER THAN THE WARRANTY PROVIDED UNDER SECTION 7) SHALL BE LIMITED TO REPAIR, CORRECTION OR REPLACEMENT, OR REFUND OF THE PURCHASE PRICE UNDER SECTION 5.

SELLER SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND THE REMEDIES OF BUYER SET FORTH IN THIS AGREEMENT ARE EXCLUSIVE. IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXCEED THE PRICE PAID BY BUYER FOR THE SPECIFIC GOODS PROVIDED BY SELLER GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. BUYER AGREES THAT IN NO EVENT SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. The term "consequential damages" shall include, but not be limited to, loss of anticipated profits, business interruption, loss of use, revenue, reputation and data, costs incurred, including without limitation, for capital, fuel, power and loss or damage to property or equipment.

It is expressly understood that any technical advice furnished by Seller with respect to the use of the Goods is given without charge, and Seller assumes no obligation or liability for the advice given, or results obtained, all such advice being given and accepted at Buyer's risk.

7. **PATENTS AND COPYRIGHTS:** Subject to the limitations of the second paragraph of Section 6, Seller warrants that the Goods sold, except as are made specifically for Buyer according to Buyer's specifications, do not infringe any valid U.S. patent or copyright in existence as of the date of shipment. This warranty is given upon the condition that Buyer promptly notifies Seller of any claim or suit involving Buyer in which such infringement is alleged and cooperates fully with Seller and permit Seller to control completely the defense, settlement or compromise of any such allegation of infringement. Seller's warranty as to use patents only applies to infringement arising solely out of the inherent operation according to Seller's specifications and instructions (i) of such Goods, or (ii) of any combination of Goods acquired from Seller in a system

designed by Seller. In the event such Goods are held to infringe such a U.S. patent or copyright in such suit, and the use of such Goods is enjoined, or in the case of a compromise or settlement by Seller, Seller shall have the right, at its option and expense, to procure for Buyer the right to continue using such Goods, or replace them with non-infringing Goods, or modify same to become non-infringing, or grant Buyer a credit for the depreciated value of such Goods and accept return of them. In the event of the foregoing, Seller may also, at its option, cancel the agreement as to future deliveries of such Goods, without liability. No license or rights in any of Seller's intellectual property associated with the Goods is granted hereby.

8. **EXCUSE OF PERFORMANCE:** Seller shall not be liable for delays in performance or for non-performance due to acts of God; acts of Buyer; war, fire, flood; weather; sabotage; strikes or labor disputes; civil disturbances or riots; governmental requests, restrictions, allocations, laws, regulations, orders or actions; unavailability of or delays in transportation; default of suppliers; or unforeseen circumstances or any events or causes beyond Seller's reasonable control. Deliveries or other performance may be suspended for an appropriate period of time or canceled by Seller upon notice to Buyer in the event of any of the foregoing, but the balance of the agreement shall otherwise remain unaffected as a result of the foregoing.

If Seller determines that its ability to supply the total demand for the Goods, or to obtain material used directly or indirectly in the manufacture of the Goods, is hindered, limited or made impracticable due to causes set forth in the preceding paragraph, Seller may allocate its available supply of the Goods or such material (without obligation to acquire other supplies of any such Goods or material) among itself and its purchasers on such basis as Seller determines to be equitable without liability for any failure of performance which may result therefrom.

9. **CANCELLATION:** Buyer may cancel orders only upon reasonable advance written notice and upon payment to Seller of Seller's cancellation charges which include, among other things, all costs and expenses incurred, and, to cover commitments made, by the Seller and a reasonable profit thereon. Seller's determination of such termination charges shall be conclusive.

10. **CHANGES:** Buyer may request changes or additions to the Goods consistent with Seller's specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price and dates of delivery. Seller reserves the right to change designs and specifications for the Goods without prior notice to Buyer, except with respect to Goods being made to order for Buyer. Seller shall have no obligation to install or make such change in any Goods manufactured prior to the date of such change.

11. **NUCLEAR/MEDICAL, GOODS SOLD HEREUNDER ARE NOT FOR USE IN CONNECTION WITH ANY NUCLEAR, MEDICAL, LIFE-SUPPORT AND RELATED APPLICATIONS.** Buyer accepts Goods with the foregoing understanding, agrees to communicate the same in writing to any subsequent purchasers or users and to defend, indemnify and hold harmless Seller from any claims, losses, suits, judgments and damages, including incidental and consequential damages, arising from such use, whether the cause of action be based in tort, contract or otherwise, including allegations that the Seller's liability is based on negligence or strict liability.

12. **ASSIGNMENT:** Buyer shall not assign its rights or delegate its duties hereunder or any interest herein without the prior written consent of Seller, and any such assignment, without such consent, shall be void.

13. **QUANTITY:** Buyer agrees to accept overruns of up to ten percent (10%) of the order on "made-to-order" goods, including parts. Any such additional items shall be priced at the price per item charged for the specific quantity ordered.

14. **REPLACEMENT / SERVICE GOODS:** Upon the cancellation or fulfillment of this order, Seller will have no obligation to sell and Buyer will have no obligation to purchase the Goods sold hereunder, including, but not limited to, the supply of replacement parts for Goods or Goods for Buyer's consumer service division. Seller is not obligated to sell Buyer or its consumer service divisions Goods: (i) for any fixed period of time after production of the Goods supplied hereunder ceases or after the last date of shipment made under this order; or (ii) at any pre-established price to fulfill Buyer's or its consumer service divisions requirements during or after production of the Goods ceases or after the last date of shipment under this order. Seller shall have the absolute right to revise the price of Goods and the terms of sale and to modify or discontinue the sale of the Goods, and such action shall not form the basis of any claim by Buyer against Seller.

15. **TOOLING:** Tool, die, and pattern charges, if any, are in addition to the price of the Goods and are due and payable upon completion of the tooling. All such tools, dies and patterns shall be and remain the property of Seller. Charges for tools, dies, and patterns do not convey to Buyer, title, ownership interest in, or rights to possession or removal, or prevent their use by Seller for other purchasers, except as otherwise expressly provided by Seller and Buyer in writing with reference to this provision.

16. **INSPECTION/TESTING:** Buyer, at its option and expense, may inspect and observe the testing by Seller of the Goods for compliance with Seller's standard test procedures prior to shipment, which inspection and testing shall be conducted at Seller's plant at such reasonable time as is specified by Seller. Any rejection of the Goods must be made promptly by Buyer before shipment. Tests shall be deemed to be satisfactorily completed and the test fully met when the Goods meet Seller's criteria for such procedures.

17. **DRAWINGS:** Seller's prints and drawings (including without limitation, the underlying technology) furnished by Seller to Buyer in connection with this agreement are the property of Seller and Seller retains all rights, including without limitation, exclusive rights of use, licensing and sale. Possession of such prints or drawings does not convey to Buyer any rights or license, and Buyer shall return all copies (in whatever medium) of such prints or drawings to Seller immediately upon request therefor.

18. **EXPORT/IMPORT:** Buyer agrees that all applicable import and export control laws, regulations, orders and requirements, including without limitation those of the United States and the European Union, and the jurisdictions in which the Seller and Buyer are established or from which Goods may be supplied, will apply to their receipt and use. In no event shall Buyer use, transfer, release, import, export, Goods in violation of such applicable laws, regulations, orders or requirements.

19. **GENERAL PROVISIONS:** These terms and conditions supersede all other communications, negotiations and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modification, rescission, discharge, abandonment, or waiver of these terms and conditions shall be binding upon the Seller unless made in writing and signed on its behalf by a duly authorized representative of Seller. No conditions, usage of trade, course of dealing or performance, understanding or agreement purporting to modify, vary, explain, or supplement these terms and conditions shall be binding unless hereafter made in writing and signed by the party to be bound, and no modification or additional terms shall be applicable to this agreement by Seller's receipt, acknowledgment, or acceptance of purchase orders, shipping instruction forms, or other documentation containing terms at variance with or in addition to those set forth herein. Any such modifications or additional terms are specifically rejected and deemed a material alteration hereof. If this document shall be deemed an acceptance of a prior offer by Buyer, such acceptance is expressly conditional upon Buyer's assent to any additional or different terms set forth herein. No waiver by either party with respect to any breach or default or of any right or remedy, and no course of dealing, shall be deemed to constitute a continuing waiver of any other breach or default or of any other right or remedy, unless such waiver be expressed in writing and signed by the party to be bound. All typographical or clerical errors made by Seller in any quotation, acknowledgment or publication are subject to correction.

The validity, performance, and all other matters relating to the interpretation and effect of this agreement shall be governed by the law of the state of Missouri without regard to its conflicts of law principles. Buyer and Seller agree that the proper venue for all actions arising in connection herewith shall be only in Missouri and the parties agree to submit to such jurisdiction. No action, regardless of form, arising out of transactions relating to this contract, may be brought by either party more than two (2) years after the cause of action has accrued. The U.N. Convention on Contracts for the International Sales of Goods shall not apply to this agreement.

† All marks shown within this document are properties of their respective owners.



Catalog Numbering System

C CORRO-DUTY*	25 25 HP	E Energy Efficient Three Phase	()	2 4 Pole	B 230/460 Volts	()	()	C C-Face	R No Base (Footless)	()
1	2	3	4	5	6	7	8	9	10	11

1 PRODUCT FAMILY

8P	841 PLUS®
A	AUTOMOTIVE DUTY
AB	AUTO DUTY BRKLESS BRKMTR
B	INVERTER DUTY BLOWER COOLED
BD	BELT DRIVE FAN
BF	BRAKE MOTOR-FAST
BM	BRAKE MOTOR
BMU	UNIMOUNT® BRAKE MOTOR
BR	BRAKE MOTOR-FCR
C	CORRO-DUTY®
CA	CORRO-DUTY® ARCTIC DUTY
CJ	CORRO-DUTY® CCP
CO	CONDENSER FAN
D	ODP GEN. PURPOSE
DC	ODP COMPRESSOR
DD	DIRECT DRIVE FAN
DH	DRY HYDRO
DJ	ODP CCP MOTOR
E	ELEVATOR MOTOR - L32 FLANGE
EE	COMMERCIAL PUMP/GEN. PURPOSE
ELT	E-LINE®
EZ	ELEVATOR MOTOR - Z-FLANGE
FD	FARM DUTY
FDU	FARM DUTY - ULTRA HIGH TORQUE
FF	FIREPUMP
FP	FLOOR POLISHER - 1 PHASE
H	HOSTILE DUTY
HA	HOSTILE DUTY CAST IRON CONDUIT BOX
HC	HOSTILE DUTY - ALL CAST IRON
HJ	HOSTILE DUTY CCP
HO	HIGH THRUST OPEN
HS	HIGH THRUST OPEN - 1 PHASE
HT	HIGH THRUST TEFC
HVW	COOLING TOWER TEAO
HW	COOLING TOWER TEFC
J	CCP
JD	JET PUMP OPEN MOTOR
JT	JET PUMP TEFC MOTOR
KT	FINISHED GOODS KITS
LD	L.S. BUYOUT ODP
LT	L.S. BUYOUT TEFC
M	IEC METRIC
NO	NORMAL THRUST OPEN
NT	NORMAL THRUST TEFC
PD	PEDESTAL FAN
PF	POWER FACTOR CORR CAPS
PT	POWER TOOL
PW	PRESSURE WASHER
S	UNIMOUNT® ROLLED STEEL
T	TEFC
TA	TEAO
TN	TENV
U	UNIMOUNT®
UI	UNIMERGE®
UJ	UT CCP
UN	UT TENV
UV	UT TEAO
VB	VECTOR BLOWER COOLED
VN	VECTOR NON-VENT
WD	WASHDOWN DUTY
WDP	WASHDOWN DUTY PAINT FREE
WDS	WASHDOWN DUTY ALL STAINLESS
WI	WEATHER PROTECTED TYPE I
WII	WEATHER PROTECTED TYPE II
X	HAZ. LOCATION DUAL LABEL
XA	HAZ. LOCATION AUTOMOTIVE DUTY
XC	HAZ. LOCATION DUAL LABEL CORRO-DUTY®
XJ	HAZ. LOCATION DUAL LABEL CCP
XS	HAZ. LOCATION DUAL STEEL FRAME
Y	HAZ. LOCATION SINGLE LABEL
YC	HAZ. LOCATION SINGLE LABEL CORRO-DUTY®
YS	HAZ. LOCATION SINGLE LABEL CCP

2 HP

00	SPECIAL
0110	1/10
0112	1/12
18	1/8
16	1/6
14	1/4
13	1/3
12	1/2
34	3/4
1	1
32	1-1/2
2	2
3	3
5	5
7	7-1/2
10	10
15	15
20	20
25	25
30	30
40	40
50	50
60	60
75	75
100	100
125	125
150	150
200	200
etc.	

3 ELECTRICAL

A	PERM SPLIT CAP (1Ø)
B	SPLIT PHASE (1Ø)
C	CAP START (1Ø)
D	CONSTANT TORQ 2WDG (3Ø)
E	ENERGY EFFICIENT (3Ø)
F	CONSTANT HP 1WDG (3Ø)
G	CONSTANT HP 2WDG (3Ø)
K	VAR TORQ 2WDG (3Ø)
L	VAR TORQ 1WDG (3Ø)
P	PREMIUM EFFICIENT (3Ø)
Q	DESIGN C (3Ø)
R	CONSTANT TORQ 1WDG (3Ø)
S	STD EFFICIENT (3Ø)
T	INV DUTY CON TORQ (3Ø)
V	INV DUTY VAR TORQ (3Ø)

DEFAULT MULTI-SPEED IS STD EFF
P&E PRECEDING MULTI-SPD ARE
P PREM EFF
E ENERGY EFF

4 SECOND ELECTRICAL

FRACTIONAL & TITAN® WHERE REQUIRED

A	AUTO PROTECT
M	MANUAL PROTECT
R	INSTANT REVERSING GATE & DOOR
T	TWO COMPARTMENT
Y	TITAN® F RISE @ 1.0 SF

5 POLES

1	2P
2	4P
3	6P
4	8P
5	10P
6	12P
7	14P
8	16P
9	4/8P
10	4/6P
12	2/4P
26	4/12P
34	6/8P
36	6/12P

6 VOLTAGES

2	2300
A	208-230/460 or 200-230/460
B	230/460
C	460
D	208-230/460 & 190/380
E	230/460 & 190/380
F	460/380
G	575
H	200
I	90
J	115/208-230
K	230 & 208-230
L	110/220
M	220/440 & 208-220/440
N	115
P	115/230
Q	180 (DC) & 190/380 (DC)
R	220/380-440 (Y-DELTA)
S	460 PWS
T	208/230
U	230/460 & 190/380 & 220/415
V	4000
W	2300/4000
X	200/400
Y	220/415
Z	OTHER

7 FRAME

DEFAULT 56 FRAME
(FRACTIONAL 3Ø & ALL 1Ø)
NEMA FRAME ASSIGNMENT
(INTEGRAL HP)
FRACTIONAL 3Ø & ALL 1Ø
4 = 48
42 = 42
14 = 140
18 = 180
21 = 210
H = SPECIAL NEMA 56H
INTEGRAL HP 3Ø
F = DOWN FRAME
G = UPFRAME
AIR CIRCULATORS/FANS
20 = 20" CIRC. HEAD DIA.
24 = 24" CIRC. HEAD DIA.
30 = 30" CIRC. HEAD DIA.

8 SHAFT (1ST DIGIT)

DEFAULT	T SHAFT; STD 48 OR 56 VSS (VERTICAL)
S	SHORT SHAFT
L	VHS
M	JM
P	JP
J	WEST COAST CCP
T	TM SHAFT
U	JMV
V	JPV
Z	SPECIAL

9 FLANGE (2ND DIGIT)

DEFAULT	NONE (HORZ) P-BASE (VERT)
A	SLEEVE BEARING
B	ROLLER BEARING
C	C-FACE
D	D-FLANGE
K	TCH (SPECIAL 'AK')
Q	SQUARE FLANGE
Y	SPECIAL

10 BASE (3RD DIGIT)

DEFAULT	F-1 RIGID BASE
R	NO BASE (FOOTLESS)
2	F-2 ASSEMBLY
3	F-0 ASSEMBLY
5	W-5 ASSEMBLY
6	W-6 ASSEMBLY
7	YOKE MOUNT
8	W-8 ASSEMBLY
9	RESILIENT BASE
E	P-BASE 10" BD
F	P-BASE 12" BD
G	P-BASE 16.5" BD
H	P-BASE 20" BD
J	P-BASE 24.5" BD

11 SPECIAL FEATURES (4TH DIGIT)

N	NO NRR (SRC) (VERT)
S	SPECIAL MOUNTING
T	TUNGSTEN SEAL (VERT)
X	EXTRA HIGH THRUST (VERT)
-C	CONVERSION
-P	PRODUCTION

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General Purpose Motors



Horsepower: 1 – 500 HP

Frame Sizes: 143 through 5811

Phase: Three Phase

RPM: 3600, 1800, 1200 or 900 RPM

Voltage:

- 200
- 208-230/460
- 230/460
- 460
- 575 Volts

Enclosure:

- Open Dripproof (ODP)
- Totally Enclosed, Fan Cooled (TEFC)

Service Factor: 1.15 SF or greater

Insulation: Class B or F Insulation

Efficiency: Premium Efficient, NEMA[†] Premium Efficient or EPAct

Nameplate: “CE” Mark on nameplate (180 Frame or larger)

Agency: UL[†] Recognized and CSA[†] Certified

WORLD MOTOR[®] Features:

- Both 60 Hz and 50 Hz operations (without derating motor)
- 250 Frame and larger ratings suitable for wye-start delta run or across-the-line starting



Open Dripproof
Motors



UNIMOUNT[®]
Motors



Hostile Duty
Motors



GENERAL PURPOSE MOTORS

[†] All marks shown within this document are properties of their respective owners.

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)

APPLICATIONS:

For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.

FEATURES:

UNIMOUNT® NEMA®† Premium Efficient (Discount Symbol DS-3AL)

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

STEEL EDGE™ (Discount Symbol DS-3RST)

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56	T14S2A	\$224	DS-3RST	1.15	10.9	26	70.0	1.1-1.1/1.5	19,103,NNP
	1200	208-230/460	56	T14S3A	\$294	DS-3RST	1.15	11.9	32	-	1.4-1.5/1.76	103,NNP
1/3	1800	208-230/460	56	T13S2A	\$255	DS-3RST	1.15	11.4	26	-	1.3-1.3/0.6	103,NNP
1/2	3600	208-230/460	48	T12S1D4	\$278	DS-3RST	1.00	10.7	19	-	1.8-1.8/0.90	103,NNP
	3600	208-230/460	56	T12S1A	\$278	DS-3RST	1.15	10.9	32	-	2.0-2.0/1.0	103,NNP
	1800	208-230/460	56	T12S2A	\$278	DS-3RST	1.15	11.9	21	-	1.8-1.8/0.9	103,NNP
	1800	575	56	T12S2G	\$278	DS-3RST	1.15	11.9	26	-	0.80	103,NNP
	1200	208-230/460	56	T12S3A	\$357	DS-3RST	1.15	11.9	32	-	2.2-2.3/1.1	103,NNP
	1200	575	56	T12S3G	\$357	DS-3RST	1.15	11.9	32	-	0.85	103,NNP
3/4	3600	208-230/460	56	T34S1A	\$290	DS-3RST	1.15	11.9	32	-	2.5-2.5/1.2	103,NNP
	1800	208-230/460	56	T34S2A	\$299	DS-3RST	1.15	11.9	23	-	3.0-3.0/1.5	103,NNP
	1800	575	56	T34S2G	\$299	DS-3RST	1.15	11.9	26	-	1.1	37,103,NNP
	1200	208-230/460	143T	T34S3B14	\$422	DS-3RST	1.15	12.8	32	75.5	3.4-3.5/1.7	103,NNP
	1200	208-230/460	56H	T34S3AH	\$422	DS-3RST	1.15	12.9	32	-	3.1-3.2/1.6	103,NNP
1	3600	208-230/460	56	T1P1A	\$327	DS-3RST	1.25	11.9	32	77.0	3.4-3.2/1.6	
	3600	208-230/460	56	U1E1D	\$374	DS-3RST	1.25	12.5	32	80.0	3-2.7/1.4	03,NNP
	3600	575	56	U1E1G	\$374	DS-3RST	1.25	12.5	32	75.5	1.2	NNP
	1800	200	143T	U1P2H	\$423	DS-3RST	1.25	12.8	30	85.5	3.4	
	1800	208-230/460	143T	U1P2D	\$423	DS-3RST	1.25	12.8	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56H	T1S2AH	\$330	DS-3RST	1.15	12.4	30	-	3.3-3.2/1.5	103,NNP
	1800	575	143T	U1P2G	\$423	DS-3RST	1.25	12.8	51	85.5	1.1	
	1800	575	56H	T1S2GH	\$330	DS-3RST	1.15	12.4	26	81.5	1.3	103,NNP
	1200	200	145T	U1P3H	\$575	DS-3RST	1.25	12.8	40	82.5	4.1	
	1200	208-230/460	145T	U1P3D	\$575	DS-3RST	1.25	12.8	40	82.5	3.6-3.5/1.8	03
	1200	208-230/460	56H	T1S3A	\$449	DS-3RST	1.15	13.4	32	83.0	3.7-3.8/1.9	103,NNP
	1200	575	145T	U1P3G	\$575	DS-3RST	1.25	12.8	40	82.5	1.4	
	900	208-230/460	182T	U1E4D	\$1,049	DS-3AL	1.25	16.5	60	74.0	4.4-4.7/2.4	03,NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 19 Also rated for 190/380, 220/415 volt 50 Hz at 1.0 Service Factor

Note 37 Q-3 leads for across-the-line start

Note 103 Does not accept brake kit

Note NNP Non-NEMA®† Premium Rating

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General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	3600	200	143T	U32P1H	\$488	DS-3RST	1.25	12.8	30	84.0	4.4	
	3600	208-230/460	143T	U32P1D	\$488	DS-3RST	1.25	12.8	30	84.0	4.2-3.9/1.9	03
	3600	208-230/460	56H	T32S1AH	\$381	DS-3RST	1.15	12.4	32	80.0	4.7-4.5/2.2	103,NNP
	3600	575	143T	U32P1G	\$488	DS-3RST	1.25	12.8	30	84.0	1.6	
	1800	200	145T	U32P2H	\$469	DS-3RST	1.25	12.8	35	86.5	4.7	
	1800	208-230/460	145T	U32P2D	\$469	DS-3RST	1.25	12.8	40	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56H	T32S2AH	\$366	DS-3RST	1.15	12.9	26	80.0	5.1-5.2/2.6	103,NNP
	1800	575	145T	U32P2G	\$469	DS-3RST	1.25	12.8	35	86.5	1.7	
	1200	200	182T	U32P3H	\$751	DS-3AL	1.25	16.5	70	87.5	5.4	
	1200	208-230/460	182T	S32P3A	\$728	DS-3RST	1.15	14.9	40	87.5	5.1-5.2/2.6	04,16,26
	1200	208-230/460	182T	U32P3D	\$751	DS-3AL	1.25	16.1	60	87.5	4.8-4.7/2.3	
	1200	208-230/460	56	T32S3AH	\$526	DS-3RST	1.15	14.4	32	-	5.4-5.3/2.6	103,NNP
1200	575	182T	U32P3G	\$751	DS-3AL	1.25	16.1	60	87.5	1.8		
900	208-230/460	184T	U32E4D	\$1,164	DS-3AL	1.25	17.3	70	78.5	6.2-6.6/3.3	NNP	
2	3600	200	145T	U2P1H	\$580	DS-3RST	1.25	12.8	40	85.5	5.6	
	3600	208-230/460	145T	U2P1D	\$580	DS-3RST	1.25	12.8	40	85.5	5.4-4.9/2.5	03
	3600	208-230/460	56H	T2S1AH	\$452	DS-3RST	1.15	12.4	27	80.0	6.0-5.4/2.7	103,NNP
	3600	575	145T	U2P1G	\$580	DS-3RST	1.25	12.8	40	85.5	2	
	3600	575	56H	T2S1G	\$452	DS-3RST	1.15	12.4	32	80.0	2.3	103,NNP
	1800	200	145T	U2P2H	\$514	DS-3RST	1.25	12.8	45	86.5	6.2	
	1800	208-230/460	145T	U2P2D	\$514	DS-3RST	1.25	12.8	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56H	T2S2AH	\$401	DS-3RST	1.15	12.9	26	78.0	7.2-7.1/3.4	103,NNP
	1800	208-230/460	56HZ	T2E2AHZ	\$458	DS-3RST	1.25	13.8	26	84.0	6-5.9/3	103,NNP
	1800	208-230/460	56HZ	T2P2AHZ	\$514	DS-3RST	1.25	14.3	42	86.5	6.2-6.0/3.0	
	1800	575	145T	U2P2G	\$514	DS-3RST	1.25	12.8	45	86.5	2.3	
	1200	200	184T	U2P3H	\$836	DS-3AL	1.25	17.3	70	88.5	7.2	
	1200	208-230/460	184T	S2P3A	\$811	DS-3RST	1.15	14.9	74	88.5	6.4-6.2/3.1	04,16,26
	1200	208-230/460	184T	U2P3D	\$836	DS-3AL	1.25	17.3	70	88.5	6.4-6.2/3.1	
	1200	575	184T	U2P3G	\$836	DS-3AL	1.25	17.3	70	88.5	2.5	
900	208-230/460	213T	U2E4D	\$1,296	DS-3AL	1.25	18.6	90	82.5	7.9-7.6/3.8	03,NNP	
3	3600	200	145T	U3P1HF	\$605	DS-3RST	1.25	12.8	53	86.5	8.3	
	3600	200	182T	U3P1H	\$767	DS-3AL	1.25	16.5	60	86.5	8.8	
	3600	208-230/460	145T	U3P1DF	\$605	DS-3RST	1.25	12.8	53	86.5	8.1-7.2/3.6	03
	3600	208-230/460	182T	S3P1A	\$637	DS-3RST	1.15	14.9	50	87.5	8.4-7.7/3.9	04,16,26
	3600	208-230/460	182T	U3P1D	\$767	DS-3AL	1.25	16.1	60	87.5	8.4-7.8/3.9	
	3600	208-230/460	56HZ	U3E1AHZ	\$538	DS-3RST	1.25	13.8	32	86.0	8.5-7.3/3.6	103,NNP
	3600	575	145T	U3P1GF	\$605	DS-3RST	1.25	12.8	53	86.5	2.9	
	3600	575	182T	U3P1G	\$767	DS-3AL	1.25	16.1	60	87.5	3.1	
	1800	200	182T	U3P2H	\$678	DS-3AL	1.25	16.5	60	89.5	9	
	1800	208-230/460	182T	S3P2A	\$637	DS-3RST	1.15	14.9	85	89.5	8.4-7.8/3.9	04,16,26
	1800	208-230/460	182T	U3P2D	\$678	DS-3AL	1.25	16.5	60	89.5	8.4-7.8/3.9	
	1800	575	182T	U3P2G	\$678	DS-3AL	1.25	16.1	60	89.5	3.2	
	1200	200	213T	U3P3H	\$1,036	DS-3AL	1.25	19.1	110	89.5	9.9	
	1200	208-230/460	213T	S3P3A	\$1,018	DS-3RST	1.15	18.9	130	89.5	9.2-8.6/4.3	04,16,26
	1200	208-230/460	213T	U3P3D	\$1,036	DS-3AL	1.25	18.6	115	89.5	9.3-8.6/4.3	
1200	575	213T	U3P3G	\$1,036	DS-3AL	1.25	18.6	115	89.5	3.4		
900	208-230/460	215T	U3E4D	\$1,606	DS-3AL	1.25	20.1	125	84.0	11.7-11.1/5.5	03,NNP	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power
 Note 16 Motors marked 208-230/460 volts may not meet all NEMA* (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLDMOTOR® features
 Note 103 Does not accept brake kit
 Note NNP Non-NEMA* Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes	
5	3600	200	184T	U5P1H	\$962	DS-3AL	1.25	16.5	70	88.5	14		
	3600	208-230/460	184T	S5P1A	\$733	DS-3RST	1.15	15.9	65	88.5	13.6-12.1/6.1	04,16,26	
	3600	208-230/460	184T	U5P1D	\$962	DS-3AL	1.25	16.9	75	88.5	13.4-12.2/6.1		
	3600	575	184T	U5P1G	\$962	DS-3AL	1.25	16.1	75	88.5	4.9		
	1800	200	184T	U5P2H	\$788	DS-3AL	1.25	17.3	80	89.5	14.2		
	1800	208-230/460	184T	S5P2A	\$733	DS-3RST	1.15	15.9	110	89.5	13.5-12.5/6.2	04,16,26	
	1800	208-230/460	184T	U5P2D	\$788	DS-3AL	1.25	17.3	70	90.2	13.6-12.3/6.2		
	1800	575	184T	U5P2G	\$788	DS-3AL	1.15	16.1	70	89.5	5.1		
	1200	200	215T	U5P3H	\$1,483	DS-3AL	1.25	20.6	135	89.5	15.9		
	1200	208-230/460	215T	S5P3A	\$1,410	DS-3RST	1.15	18.9	135	89.5	15-14.1/7	04,16,26	
	1200	208-230/460	215T	U5P3D	\$1,483	DS-3AL	1.25	20.1	140	90.2	15-14/7		
	1200	575	215T	U5P3G	\$1,483	DS-3AL	1.25	20.1	140	89.5	5.6		
	900	200	254T	U5E4H	\$2,299	DS-3AL	1.25	23.9	192	85.5	17.3	02,NNP	
900	208-230/460	254T	U5E4D	\$2,299	DS-3AL	1.25	23.9	192	85.5	16.4-15.4/7.7	02,03,NNP		
900	575	254T	U5E4G	\$2,299	DS-3AL	1.25	23.9	192	86.5	6.1	02,NNP		
7 1/2	3600	200	213T	U7P1H	\$1,192	DS-3AL	1.25	19.1	105	90.2	20.6		
	3600	208-230/460	184T	U7P1AF	\$1,074	DS-3AL	1.15	17.3	70	89.5	19.9-17.7/8.9		
	3600	208-230/460	213T	S7P1A	\$1,074	DS-3RST	1.15	18.9	114	90.2	19.9-17.9/9	04,16,26	
	3600	208-230/460	213T	U7P1D	\$1,192	DS-3AL	1.25	19.1	105	91.0	19.9-17.8/8.9	03	
	3600	575	213T	U7P1G	\$1,192	DS-3AL	1.25	18.6	105	89.5	7.5		
	1800	200	213T	U7P2H	\$1,078	DS-3AL	1.25	19.1	105	91.7	20.8		
	1800	208-230/460	213T	S7P2A	\$1,023	DS-3RST	1.15	18.9	90	91.7	20-18.1/9.1	04,16,26	
	1800	208-230/460	213T	U7P2D	\$1,078	DS-3AL	1.25	18.6	125	91.7	20-18.2/9.1		
	1800	575	213T	U7P2G	\$1,078	DS-3AL	1.25	18.6	115	91.7	7.2		
	1200	200	254T	U7P3H	\$1,979	DS-3AL	1.25	24.4	180	91.0	21.8		
	1200	208-230/460	254T	U7P3D	\$1,979	DS-3AL	1.25	24.4	180	91.0	20.6-19/9.5		
	1200	575	254T	U7P3G	\$1,979	DS-3AL	1.25	24.4	180	91.0	7.6		
	900	208-230/460	256T	U7E4D	\$3,067	DS-3AL	1.25	25.6	312	86.5	23.8-22.2/11.1	02,03,NNP	
900	575	256T	U7E4G	\$3,067	DS-3AL	1.25	25.6	312	86.5	8.8	02,NNP		
10	3600	200	215T	U10P1H	\$1,397	DS-3AL	1.25	21.6	125	90.2	27		
	3600	208-230/460	215T	S10P1A	\$1,272	DS-3RST	1.15	18.9	128	90.2	26.5-23.5/11.7	04,16,26	
	3600	208-230/460	215T	U10P1D	\$1,397	DS-3AL	1.25	20.1	130	91.7	26.4-23.5/11.8		
	3600	575	215T	U10P1G	\$1,397	DS-3AL	1.25	20.1	130	91.7	9.4		
	1800	200	215T	U10P2H	\$1,302	DS-3AL	1.25	20.6	133	91.7	27.5		
	1800	208-230/460	215T	S10P2A	\$1,211	DS-3RST	1.15	18.9	120	91.7	26.5-23.9/11.9	04,16,26	
	1800	208-230/460	215T	U10P2D	\$1,302	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12		
	1800	575	215T	U10P2G	\$1,302	DS-3AL	1.25	20.1	140	91.7	9.6		
	1200	200	256T	U10P3H	\$2,390	DS-3AL	1.25	26.1	250	91.7	28.2		
	1200	208-230/460	256T	U10P3D	\$2,390	DS-3AL	1.25	26.1	250	91.7	27.1-24.6/12.3		
	1200	575	256T	U10P3G	\$2,390	DS-3AL	1.25	26.1	250	91.7	9.8		
	15	3600	200	254T	U15P1H	\$1,999	DS-3AL	1.25	24.4	180	91.0	40	02
		3600	208-230/460	215T	U15P1AF	\$1,698	DS-3AL	1.25	20.6	120	91.0	40-35/17.4	
3600		575	254T	U15P1G	\$1,999	DS-3AL	1.25	24.4	185	91.0	14.1		
1800		200	254T	U15P2H	\$1,798	DS-3AL	1.25	24.4	240	92.4	42		
1800		208-230/460	254T	U15P2D	\$1,798	DS-3AL	1.25	24.4	240	92.4	40-37/18.4		
1800		575	254T	U15P2G	\$1,798	DS-3AL	1.15	24.4	240	92.4	14.6		

- Note 02 Suitable for Wye-Delta start on voltages shown
- Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
- Note 04 On 60 Hertz Sine Wave power
- Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
- Note 26 Does not include WORLDMOTOR® features
- Note NNP Non-NEMA®† Premium Rating

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General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
20	3600	200	256T	U20P1H	\$2,475	DS-3AL	1.25	26.1	230	91.0	53	02
	3600	208-230/460	256T	U20P1D	\$2,475	DS-3AL	1.25	26.1	230	91.0	53-46/23	02,03
	3600	575	256T	U20P1G	\$2,475	DS-3AL	1.25	26.1	230	91.0	18.5	02
	1800	200	256T	U20P2H	\$2,216	DS-3AL	1.25	25.6	250	93.0	54	
	1800	575	256T	U20P2G	\$2,216	DS-3AL	1.25	26.1	250	93.0	19	
25	3600	200	284T	U25P1H	\$3,036	DS-3AL	1.25	28.7	250	91.7	65	
	3600	200	284TS	U25P1HS	\$3,036	DS-3AL	1.25	27.3	280	91.7	65	
	3600	208-230/460	284T	U25P1D	\$3,036	DS-3AL	1.15	28.7	250	91.7	65-57/28.4	
	3600	208-230/460	284TS	U25P1DS	\$3,036	DS-3AL	1.15	27.3	250	91.7	65-57/28.4	
	3600	575	284T	U25P1G	\$3,036	DS-3AL	1.25	28.7	250	91.7	22.7	
	3600	575	284TS	U25P1GS	\$3,036	DS-3AL	1.25	27.3	250	91.7	22.7	
	1800	200	284T	U25P2H	\$2,659	DS-3AL	1.25	28.7	290	93.6	67	
	1800	200	284TS	U25P2HS	\$2,659	DS-3AL	1.25	27.3	290	93.6	67	
	1800	208-230/460	284TS	U25P2DS	\$2,659	DS-3AL	1.15	27.3	280	93.6	65-59/29.3	
	1800	575	284T	U25P2G	\$2,659	DS-3AL	1.25	28.7	280	93.6	23.4	
	1800	575	284TS	U25P2GS	\$2,659	DS-3AL	1.25	27.3	290	93.6	23.4	
30	1800	200	286T	U30P2H	\$3,101	DS-3AL	1.25	28.3	325	93.6	81	
	1800	200	286TS	U30P2HS	\$3,101	DS-3AL	1.25	26.9	325	93.6	81	
	1800	208-230/460	286T	U30P2D	\$3,101	DS-3AL	1.15	28.7	325	93.6	78-70/35	
	1800	208-230/460	286TS	U30P2DS	\$3,101	DS-3AL	1.15	27.3	325	93.6	78-70/35	
	1800	575	286T	U30P2G	\$3,101	DS-3AL	1.25	28.7	325	93.6	28.1	
	1800	575	286TS	U30P2GS	\$3,101	DS-3AL	1.25	27.3	325	93.6	28.1	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

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General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA® Premium Efficient – IE3



APPLICATIONS:

For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	900	208-230/460	182T	U1E4D	\$1,049	DS-3AL	1.25	16.5	60	74.0	4.4-4.7/2.4	03,NNP
1 1/2	1200	200	182T	U32P3H	\$751	DS-3AL	1.25	16.5	70	87.5	5.4	
	1200	208-230/460	182T	U32P3D	\$751	DS-3AL	1.25	16.1	60	87.5	4.8-4.7/2.3	
	1200	575	182T	U32P3G	\$751	DS-3AL	1.25	16.1	60	87.5	1.8	
	900	208-230/460	184T	U32E4D	\$1,164	DS-3AL	1.25	17.3	70	78.5	6.2-6.6/3.3	NNP
2	1200	200	184T	U2P3H	\$836	DS-3AL	1.25	17.3	70	88.5	7.2	
	1200	208-230/460	184T	U2P3D	\$836	DS-3AL	1.25	17.3	70	88.5	6.4-6.2/3.1	
	1200	575	184T	U2P3G	\$836	DS-3AL	1.25	17.3	70	88.5	2.5	
	900	208-230/460	213T	U2E4D	\$1,296	DS-3AL	1.25	18.6	90	82.5	7.9-7.6/3.8	03,NNP
3	3600	200	182T	U3P1H	\$767	DS-3AL	1.25	16.5	60	86.5	8.8	
	3600	208-230/460	182T	U3P1D	\$767	DS-3AL	1.25	16.1	60	87.5	8.4-7.8/3.9	
	3600	575	182T	U3P1G	\$767	DS-3AL	1.25	16.1	60	87.5	3.1	
	1800	200	182T	U3P2H	\$678	DS-3AL	1.25	16.5	60	89.5	9	
	1800	208-230/460	182T	U3P2D	\$678	DS-3AL	1.25	16.5	60	89.5	8.4-7.8/3.9	
	1800	575	182T	U3P2G	\$678	DS-3AL	1.25	16.1	60	89.5	3.2	
	1200	200	213T	U3P3H	\$1,036	DS-3AL	1.25	19.1	110	89.5	9.9	
	1200	208-230/460	213T	U3P3D	\$1,036	DS-3AL	1.25	18.6	115	89.5	9.3-8.6/4.3	
	1200	575	213T	U3P3G	\$1,036	DS-3AL	1.25	18.6	115	89.5	3.4	
5	900	208-230/460	215T	U3E4D	\$1,606	DS-3AL	1.25	20.1	125	84.0	11.7-11.1/5.5	03,NNP
	3600	200	184T	U5P1H	\$962	DS-3AL	1.25	16.5	70	88.5	14	
	3600	208-230/460	184T	U5P1D	\$962	DS-3AL	1.25	16.9	75	88.5	13.4-12.2/6.1	
	3600	575	184T	U5P1G	\$962	DS-3AL	1.25	16.1	75	88.5	4.9	
	1800	200	184T	U5P2H	\$788	DS-3AL	1.25	17.3	80	89.5	14.2	
	1800	208-230/460	184T	U5P2D	\$788	DS-3AL	1.25	17.3	70	90.2	13.6-12.3/6.2	
	1800	575	184T	U5P2G	\$788	DS-3AL	1.15	16.1	70	89.5	5.1	
	1200	200	215T	U5P3H	\$1,483	DS-3AL	1.25	20.6	135	89.5	15.9	
	1200	208-230/460	215T	U5P3D	\$1,483	DS-3AL	1.25	20.1	140	90.2	15-14/7	
	1200	575	215T	U5P3G	\$1,483	DS-3AL	1.25	20.1	140	89.5	5.6	
	900	200	254T	U5E4H	\$2,299	DS-3AL	1.25	23.9	192	85.5	17.3	02,NNP
	900	208-230/460	254T	U5E4D	\$2,299	DS-3AL	1.25	23.9	192	85.5	16.4-15.4/7.7	02,03,NNP
	900	575	254T	U5E4G	\$2,299	DS-3AL	1.25	23.9	192	86.5	6.1	02,NNP
	7 1/2	3600	200	213T	U7P1H	\$1,192	DS-3AL	1.25	19.1	105	90.2	20.6
3600		208-230/460	184T	U7P1AF	\$1,074	DS-3AL	1.15	17.3	70	89.5	19.9-17.7/8.9	
3600		208-230/460	213T	U7P1D	\$1,192	DS-3AL	1.25	19.1	105	91.0	19.9-17.8/8.9	03
3600		575	213T	U7P1G	\$1,192	DS-3AL	1.25	18.6	105	89.5	7.5	
1800		200	213T	U7P2H	\$1,078	DS-3AL	1.25	19.1	105	91.7	20.8	
1800		208-230/460	213T	U7P2D	\$1,078	DS-3AL	1.25	18.6	125	91.7	20-18.2/9.1	
1800		575	213T	U7P2G	\$1,078	DS-3AL	1.25	18.6	115	91.7	7.2	
1200		200	254T	U7P3H	\$1,979	DS-3AL	1.25	24.4	180	91.0	21.8	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA® Premium Efficient – IE3



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
7 1/2	1200	208-230/460	254T	U7P3D	\$1,979	DS-3AL	1.25	24.4	180	91.0	20.6-19/9.5	
	1200	575	254T	U7P3G	\$1,979	DS-3AL	1.25	24.4	180	91.0	7.6	
	900	208-230/460	256T	U7E4D	\$3,067	DS-3AL	1.25	25.6	312	86.5	23.8-22.2/11.1	02,03,NNP
	900	575	256T	U7E4G	\$3,067	DS-3AL	1.25	25.6	312	86.5	8.8	02,NNP
10	3600	200	215T	U10P1H	\$1,397	DS-3AL	1.25	21.6	125	90.2	27	
	3600	208-230/460	215T	U10P1D	\$1,397	DS-3AL	1.25	20.1	130	91.7	26.4-23.5/11.8	
	3600	575	215T	U10P1G	\$1,397	DS-3AL	1.25	20.1	130	91.7	9.4	
	1800	200	215T	U10P2H	\$1,302	DS-3AL	1.25	20.6	133	91.7	27.5	
	1800	208-230/460	215T	U10P2D	\$1,302	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	
	1800	575	215T	U10P2G	\$1,302	DS-3AL	1.25	20.1	140	91.7	9.6	
	1200	200	256T	U10P3H	\$2,390	DS-3AL	1.25	26.1	250	91.7	28.2	
	1200	208-230/460	256T	U10P3D	\$2,390	DS-3AL	1.25	26.1	250	91.7	27.1-24.6/12.3	
15	1200	575	256T	U10P3G	\$2,390	DS-3AL	1.25	26.1	250	91.7	9.8	
	3600	200	254T	U15P1H	\$1,999	DS-3AL	1.25	24.4	180	91.0	40	02
	3600	208-230/460	215T	U15P1AF	\$1,698	DS-3AL	1.25	20.6	120	91.0	40-35/17.4	
	3600	208-230/460	254T	U15P1D	\$1,999	DS-3AL	1.25	24.4	185	91.0	39-35/17.7	
	3600	575	254T	U15P1G	\$1,999	DS-3AL	1.25	24.4	185	91.0	14.1	
	1800	200	254T	U15P2H	\$1,798	DS-3AL	1.25	24.4	240	92.4	42	
	1800	208-230/460	254T	U15P2D	\$1,798	DS-3AL	1.25	24.4	240	92.4	40-37/18.4	
20	1800	575	254T	U15P2G	\$1,798	DS-3AL	1.25	24.4	240	92.4	14.6	
	3600	200	256T	U20P1H	\$2,475	DS-3AL	1.25	26.1	230	91.0	53	02
	3600	208-230/460	256T	U20P1D	\$2,475	DS-3AL	1.25	26.1	230	91.0	53-46/23	02,03
	3600	575	256T	U20P1G	\$2,475	DS-3AL	1.25	26.1	230	91.0	18.5	02
	1800	200	256T	U20P2H	\$2,216	DS-3AL	1.25	25.6	250	93.0	54	
25	1800	208-230/460	256T	U20P2D	\$2,216	DS-3AL	1.25	26.1	250	93.0	53-47/23.7	
	1800	575	256T	U20P2G	\$2,216	DS-3AL	1.25	26.1	250	93.0	19	
	3600	200	284T	U25P1H	\$3,036	DS-3AL	1.25	28.7	250	91.7	65	
	3600	200	284TS	U25P1HS	\$3,036	DS-3AL	1.25	27.3	280	91.7	65	
	3600	208-230/460	284T	U25P1D	\$3,036	DS-3AL	1.15	28.7	250	91.7	65-57/28.4	
	3600	208-230/460	284TS	U25P1DS	\$3,036	DS-3AL	1.15	27.3	250	91.7	65-57/28.4	
	3600	575	284T	U25P1G	\$3,036	DS-3AL	1.25	28.7	250	91.7	22.7	
	3600	575	284TS	U25P1GS	\$3,036	DS-3AL	1.25	27.3	250	91.7	22.7	
	1800	200	284T	U25P2H	\$2,659	DS-3AL	1.25	28.7	290	93.6	67	
	1800	200	284TS	U25P2HS	\$2,659	DS-3AL	1.25	27.3	290	93.6	67	
	1800	208-230/460	284T	U25P2D	\$2,659	DS-3AL	1.15	28.7	290	93.6	65-59/29.3	
	1800	208-230/460	284TS	U25P2DS	\$2,659	DS-3AL	1.15	27.3	280	93.6	65-59/29.3	
30	1800	575	284T	U25P2G	\$2,659	DS-3AL	1.25	28.7	280	93.6	23.4	
	1800	575	284TS	U25P2GS	\$2,659	DS-3AL	1.25	27.3	290	93.6	23.4	
	1800	200	286T	U30P2H	\$3,101	DS-3AL	1.25	28.3	325	93.6	81	
	1800	200	286TS	U30P2HS	\$3,101	DS-3AL	1.25	26.9	325	93.6	81	
	1800	208-230/460	286T	U30P2D	\$3,101	DS-3AL	1.15	28.7	325	93.6	78-70/35	
	1800	208-230/460	286TS	U30P2DS	\$3,101	DS-3AL	1.15	27.3	325	93.6	78-70/35	
30	1800	575	286T	U30P2G	\$3,101	DS-3AL	1.25	28.7	325	93.6	28.1	
	1800	575	286TS	U30P2GS	\$3,101	DS-3AL	1.25	27.3	325	93.6	28.1	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz; 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note NNP Non-NEMA® Premium Rating

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GENERAL PURPOSE UNIMOUNT™ AND STEEL EDGE™
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™



APPLICATIONS:

For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.

FEATURES:

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®[†] Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56	T14S2A	\$224	DS-3RST	1.15	10.9	26	70.0	1.1-1.1/5	19,103,NNP
	1200	208-230/460	56	T14S3A	\$294	DS-3RST	1.15	11.9	32	-	1.4-1.5/76	103,NNP
1/3	1800	208-230/460	56	T13S2A	\$255	DS-3RST	1.15	11.4	26	-	1.3-1.3/0.6	103,NNP
1/2	3600	208-230/460	48	T12S1D4	\$278	DS-3RST	1.00	10.7	19	-	1.8-1.8/0.90	103,NNP
	3600	208-230/460	56	T12S1A	\$278	DS-3RST	1.15	10.9	32	-	2.0-2.0/1.0	103,NNP
	1800	208-230/460	56	T12S2A	\$278	DS-3RST	1.15	11.9	21	-	1.8-1.8/0.9	103,NNP
	1800	575	56	T12S2G	\$278	DS-3RST	1.15	11.9	26	-	0.80	103,NNP
	1200	208-230/460	56	T12S3A	\$357	DS-3RST	1.15	11.9	32	-	2.2-2.3/1.1	103,NNP
	1200	575	56	T12S3G	\$357	DS-3RST	1.15	11.9	32	-	0.85	103,NNP
3/4	3600	208-230/460	56	T34S1A	\$290	DS-3RST	1.15	11.9	32	-	2.5-2.5/1.2	103,NNP
	1800	208-230/460	56	T34S2A	\$299	DS-3RST	1.15	11.9	23	-	3.0-3.0/1.5	103,NNP
	1800	575	56	T34S2G	\$299	DS-3RST	1.15	11.9	26	-	1.1	37,103,NNP
	1200	208-230/460	143T	T34S3B14	\$422	DS-3RST	1.15	12.8	32	75.5	3.4-3.5/1.7	103,NNP
	1200	208-230/460	56H	T34S3AH	\$422	DS-3RST	1.15	12.9	32	-	3.1-3.2/1.6	103,NNP
1	3600	208-230/460	56	T1P1A	\$327	DS-3RST	1.25	11.9	32	77.0	3.4-3.2/1.6	
	3600	208-230/460	56	U1E1D	\$374	DS-3RST	1.25	12.5	32	80.0	3-2.7/1.4	03,NNP
	3600	575	56	U1E1G	\$374	DS-3RST	1.25	12.5	32	75.5	1.2	NNP
	1800	200	143T	U1P2H	\$423	DS-3RST	1.25	12.8	30	85.5	3.4	
	1800	208-230/460	143T	U1P2D	\$423	DS-3RST	1.25	12.8	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56H	T1S2AH	\$330	DS-3RST	1.15	12.4	30	-	3.3-3.2/1.5	103,NNP
	1800	575	143T	U1P2G	\$423	DS-3RST	1.25	12.8	51	85.5	1.1	
	1800	575	56H	T1S2GH	\$330	DS-3RST	1.15	12.4	26	81.5	1.3	103,NNP
	1200	200	145T	U1P3H	\$575	DS-3RST	1.25	12.8	40	82.5	4.1	
	1200	208-230/460	145T	U1P3D	\$575	DS-3RST	1.25	12.8	40	82.5	3.6-3.5/1.8	03
	1200	208-230/460	56H	T1S3A	\$449	DS-3RST	1.15	13.4	32	83.0	3.7-3.8/1.9	103,NNP
	1200	575	145T	U1P3G	\$575	DS-3RST	1.25	12.8	40	82.5	1.4	
1 1/2	3600	200	143T	U32P1H	\$488	DS-3RST	1.25	12.8	30	84.0	4.4	
	3600	208-230/460	143T	U32P1D	\$488	DS-3RST	1.25	12.8	30	84.0	4.2-3.9/1.9	03
	3600	208-230/460	56H	T32S1AH	\$381	DS-3RST	1.15	12.4	32	80.0	4.7-4.5/2.2	103,NNP
	3600	575	143T	U32P1G	\$488	DS-3RST	1.25	12.8	30	84.0	1.6	
	1800	200	145T	U32P2H	\$469	DS-3RST	1.25	12.8	35	86.5	4.7	
	1800	208-230/460	145T	U32P2D	\$469	DS-3RST	1.25	12.8	40	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56H	T32S2AH	\$366	DS-3RST	1.15	12.9	26	80.0	5.1-5.2/2.6	103,NNP
	1800	575	145T	U32P2G	\$469	DS-3RST	1.25	12.8	35	86.5	1.7	
	1200	208-230/460	182T	S32P3A	\$728	DS-3RST	1.15	14.9	40	87.5	5.1-5.2/2.6	04,16,26
	1200	208-230/460	56	T32S3AH	\$526	DS-3RST	1.15	14.4	32	-	5.4-5.3/2.6	103,NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 04 On 60 Hertz Sine Wave power

Note 16 Motors marked 208-230/460 volts may not meet all NEMA® (MG-1) performance standards when operated at 208 volts

Note 19 Also rated for 190/380, 220/415 volt 50 Hz at 1.0 Service Factor

Note 26 Does not include WORLD MOTOR® features

Note 37 Q-3 leads for across-the-line start

Note 103 Does not accept brake kit

Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	3600	200	145T	U2P1H	\$580	DS-3RST	1.25	12.8	40	85.5	5.6	
	3600	208-230/460	145T	U2P1D	\$580	DS-3RST	1.25	12.8	40	85.5	5.4-4.9/2.5	03
	3600	208-230/460	56H	T2S1AH	\$452	DS-3RST	1.15	12.4	27	80.0	6.0-5.4/2.7	103,NNP
	3600	575	145T	U2P1G	\$580	DS-3RST	1.25	12.8	40	85.5	2	
	3600	575	56H	T2S1G	\$452	DS-3RST	1.15	12.4	32	80.0	2.3	103,NNP
	1800	200	145T	U2P2H	\$514	DS-3RST	1.25	12.8	45	86.5	6.2	
	1800	208-230/460	145T	U2P2D	\$514	DS-3RST	1.25	12.8	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56H	T2S2AH	\$401	DS-3RST	1.15	12.9	26	78.0	7.2-7.1/3.4	103,NNP
	1800	208-230/460	56HZ	T2E2AHZ	\$458	DS-3RST	1.25	13.8	26	84.0	6-5.9/3	103,NNP
	1800	208-230/460	56HZ	T2P2AHZ	\$514	DS-3RST	1.25	14.3	42	86.5	6.2-6.0/3.0	
	1800	575	145T	U2P2G	\$514	DS-3RST	1.25	12.8	45	86.5	2.3	
	1200	208-230/460	184T	S2P3A	\$811	DS-3RST	1.15	14.9	74	88.5	6.4-6.2/3.1	04,16,26
3	3600	200	145T	U3P1HF	\$605	DS-3RST	1.25	12.8	53	86.5	8.3	
	3600	208-230/460	145T	U3P1DF	\$605	DS-3RST	1.25	12.8	53	86.5	8.1-7.2/3.6	03
	3600	208-230/460	182T	S3P1A	\$637	DS-3RST	1.15	14.9	50	87.5	8.4-7.7/3.9	04,16,26
	3600	208-230/460	56HZ	U3E1AHZ	\$538	DS-3RST	1.25	13.8	32	86.0	8.5-7.3/3.6	103,NNP
	3600	575	145T	U3P1GF	\$605	DS-3RST	1.25	12.8	53	86.5	2.9	
	1800	208-230/460	182T	S3P2A	\$637	DS-3RST	1.15	14.9	85	89.5	8.4-7.8/3.9	04,16,26
	1200	208-230/460	213T	S3P3A	\$1,018	DS-3RST	1.15	18.9	130	89.5	9.2-8.6/4.3	04,16,26
5	3600	208-230/460	184T	S5P1A	\$733	DS-3RST	1.15	15.9	65	88.5	13.6-12.1/6.1	04,16,26
	1800	208-230/460	184T	S5P2A	\$733	DS-3RST	1.15	15.9	110	89.5	13.5-12.5/6.2	04,16,26
	1200	208-230/460	215T	S5P3A	\$1,410	DS-3RST	1.15	18.9	135	89.5	15-14.1/7	04,16,26
7 1/2	3600	208-230/460	213T	S7P1A	\$1,074	DS-3RST	1.15	18.9	114	90.2	19.9-17.9/9	04,16,26
	1800	208-230/460	213T	S7P2A	\$1,023	DS-3RST	1.15	18.9	90	91.7	20-18.1/9.1	04,16,26
10	3600	208-230/460	215T	S10P1A	\$1,272	DS-3RST	1.15	18.9	128	90.2	26.5-23.5/11.7	04,16,26
	1800	208-230/460	215T	S10P2A	\$1,211	DS-3RST	1.15	18.9	120	91.7	26.5-23.9/11.9	04,16,26

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 04 On 60 Hertz Sine Wave power

Note 16 Motors marked 208-230/460 volts may not meet all NEMA* (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLDMOTOR® features

Note 103 Does not accept brake kit

Note NNP Non-NEMA* Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC), C-Face Footed



APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

UNIMOUNT® NEMA®† Premium Efficient (Discount Symbol DS-3AL)

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

STEEL EDGE™ (Discount Symbol DS-3RST)

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2AC	\$246	DS-3RST	1.25	10.8	20	70.0	1.3-1.4/0.7	26, NNP
	1800	575	56C	U14S2GC	\$246	DS-3RST	1.25	10.8	22	75.5	0.4	26, NNP
	1200	208-230/460	56C	U14S3AC	\$323	DS-3RST	1.25	10.8	22	72.0	1.1-1.2/0.6	26, NNP
1/3	1800	208-230/460	56C	U13S2AC	\$281	DS-3RST	1.25	10.8	20	72.0	1.4-1.5/0.7	26, NNP
	1800	575	56C	U13S2GC	\$281	DS-3RST	1.25	10.8	47	75.5	0.5	26, NNP
	1200	208-230/460	56C	U13S3AC	\$361	DS-3RST	1.25	10.8	23	75.5	1.3-1.3/0.6	26, NNP
1/2	3600	208-230/460	56C	U12S1AC	\$306	DS-3RST	1.25	10.8	25	70.0	1.7-1.6/0.8	26, NNP
	1800	208-230/460	56C	U12S2AC	\$306	DS-3RST	1.25	10.8	26	74.0	1.8-1.8/0.9	26, NNP
	1800	575	56C	U12S2GC	\$306	DS-3RST	1.25	10.8	36	74.0	0.7	26, NNP
	1200	208-230/460	56C	U12S3AC	\$393	DS-3RST	1.25	11.5	26	72.0	2.2-2.2/1.1	NNP
3/4	3600	208-230/460	56C	U34S1AC	\$319	DS-3RST	1.25	10.8	26	74.0	2.5-2.2/1.1	26, NNP
	1800	208-230/460	56C	U34S2AC	\$329	DS-3RST	1.25	10.8	32	77.0	2.7-2.7/1.4	26, NNP
	1800	575	56C	U34S2GC	\$329	DS-3RST	1.25	10.8	27	75.5	1.1	26, NNP
	1200	208-230/460	143TC	U34S3DC	\$464	DS-3RST	1.25	12.1	30	72.0	3.1-3.1/1.6	26, NNP
	1200	208-230/460	56C	U34S3AC	\$464	DS-3RST	1.25	12.9	33	-	3.1-3.2/1.6	NNP
1	3600	208-230/460	56C	U1S1AC	\$360	DS-3RST	1.25	10.8	15	74.0	3.2-2.9/1.5	26, NNP
	1800	208-230/460	143TC	U1P2DC	\$503	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFC	\$347	DS-3RST	1.25	10.8	28	80.0	3.4-3.4/1.7	26, NNP
	1800	575	143TC	U1P2GC	\$503	DS-3RST	1.25	12.1	50	85.5	1.1	
	1800	575	56C	U1S2GFC	\$347	DS-3RST	1.25	10.8	40	81.5	1.4	26, NNP
	1200	208-230/460	145TC	U1P3DC	\$655	DS-3RST	1.25	13.1	40	82.5	3.6-3.5/1.8	03
	1200	208-230/460	56C	U1S3DFC	\$471	DS-3RST	1.25	10.8	36	78.5	3.8-3.9/2	26, NNP
	1200	575	145TC	U1P3GC	\$655	DS-3RST	1.25	13.1	40	82.5	1.4	
	1 1/2	3600	200	143TC	U32P1HC	\$567	DS-3RST	1.25	12.1	30	84.0	4.4
3600		208-230/460	143TC	U32P1DC	\$567	DS-3RST	1.25	12.1	30	84.0	4.2-3.9/1.9	03
3600		208-230/460	56C	U32S1AFC	\$400	DS-3RST	1.25	10.8	32	78.5	4.6-4/2	26, NNP
3600		575	143TC	U32P1GC	\$567	DS-3RST	1.25	12.1	30	84.0	1.6	
1800		200	145TC	U32P2HC	\$549	DS-3RST	1.25	13.1	60	86.5	4.7	
1800		208-230/460	145TC	U32P2DC	\$549	DS-3RST	1.25	13.1	35	86.5	4.5-4.3/2.1	03
1800		208-230/460	56C	U32S2AFC	\$384	DS-3RST	1.25	10.8	32	81.5	4.7-4.7/2.3	26, NNP
1800		575	145TC	U32P2GC	\$549	DS-3RST	1.25	13.1	35	86.5	1.7	
1800		575	56C	U32S2GFC	\$384	DS-3RST	1.25	12.1	32	80.0	1.9	26, NNP
1200		208-230/460	182TC	U32P3DC	\$845	DS-3AL	1.25	16.2	60	87.5	4.8-4.7/2.3	
1200		575	182TC	U32P3GC	\$845	DS-3AL	1.25	16.2	60	87.5	1.8	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note NNP Non-NEMA®† Premium Rating

Note 26 Does not include WORLDMOTOR® features

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC), C-Face Footed



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	3600	208-230/460	145TC	U2P1DC	\$659	DS-3RST	1.25	13.1	40	85.5	5.4-4.9/2.5	03
	3600	208-230/460	56C	U2S1AFC	\$475	DS-3RST	1.25	12.1	30	80.0	5.9-5.3/2.6	26,NNP
	3600	575	145TC	U2P1GC	\$659	DS-3RST	1.25	13.1	40	85.5	2	
	1800	208-230/460	145TC	U2P2DC	\$593	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFC	\$421	DS-3RST	1.25	10.8	42	82.5	6.3-6.3/3.2	26,NNP
	1800	575	145TC	U2P2GC	\$593	DS-3RST	1.25	13.1	45	86.5	2.3	
	1800	575	56C	U2S2GFC	\$421	DS-3RST	1.25	12.5	39	-	2.5	NNP
3	1200	208-230/460	184TC	U2P3DC	\$930	DS-3AL	1.25	16.9	70	88.5	6.4-6.2/3.1	
	3600	208-230/460	145TC	U3P1A14C	\$772	DS-3RST	1.25	13.1	53	86.5	8.1-7.2/3.6	03,14
	3600	208-230/460	182TC	U3P1DC	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	182TCH	U3P1DK	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	56C	U3S1AFC	\$522	DS-3RST	1.25	10.8	32	82.5	8.5-7.5/3.8	26,NNP
	1800	208-230/460	182TC	S3P2AC	\$669	DS-3RST	1.15	15.9	85	89.5	8.4-7.8/3.9	04,16,26
	1800	208-230/460	182TC	U3P2DC	\$772	DS-3AL	1.25	16.2	70	89.5	8.4-7.8/3.9	
	1800	208-230/460	182TCH	U3P2DK	\$772	DS-3AL	1.25	16.2	60	89.5	8.4-7.8/3.9	
5	1800	575	182TC	U3P2GC	\$772	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3P3DC	\$1,150	DS-3AL	1.25	18.8	110	89.5	9.3-8.6/4.3	
	3600	208-230/460	184TC	S5P1AC	\$770	DS-3RST	1.15	15.9	65	88.5	13.6-12.1/6.1	04,16,26
	3600	208-230/460	184TC	U5P1DC	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	3600	208-230/460	184TCH	U5P1DK	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	1800	200	184TCH	U5P2HK	\$882	DS-3AL	1.25	16.9	80	89.5	14.2	
	1800	208-230/460	184TC	S5P2AC	\$770	DS-3RST	1.15	15.9	110	89.5	13.5-12.5/6.2	04,16,26
	1800	208-230/460	184TC	U5P2DC	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	208-230/460	184TCH	U5P2DK	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	575	184TC	U5P2GC	\$882	DS-3AL	1.25	16.9	70	89.5	5	
7 1/2	1200	208-230/460	215TC	U5P3DC	\$1,597	DS-3AL	1.25	20.3	135	90.2	15-14/7	
	1200	575	215TC	U5P3GC	\$1,597	DS-3AL	1.25	20.3	135	89.5	5.6	
	3600	208-230/460	213TC	S7P1AC	\$1,128	DS-3RST	1.15	19.4	116	90.2	19.9-17.9/9	04,16,26
	3600	208-230/460	213TC	U7P1DC	\$1,306	DS-3AL	1.25	18.8	105	91.0	19.9-17.8/8.9	03
	3600	575	213TC	U7P1GC	\$1,306	DS-3AL	1.25	18.8	105	89.5	7.5	
	1800	208-230/460	213TC	S7P2AC	\$1,074	DS-3RST	1.15	19.4	90	91.7	20-18.1/9.1	04,16,26
10	1800	208-230/460	213TC	U7P2DC	\$1,192	DS-3AL	1.25	18.8	105	91.7	20-18.2/9.1	
	1200	208-230/460	254TC	U7P3DC	\$2,147	DS-3AL	1.25	24.0	180	91.0	20.6-19/9.5	
	3600	208-230/460	215TC	S10P1AC	\$1,336	DS-3RST	1.15	19.4	131	90.2	26.5-23.5/11.7	04,16,26
	3600	208-230/460	215TC	U10P1DC	\$1,511	DS-3AL	1.25	20.3	125	91.7	26.4-23.5/11.8	
	3600	575	215TC	U10P1GC	\$1,511	DS-3AL	1.25	20.1	125	91.7	9.4	
	1800	208-230/460	215TC	S10P2AC	\$1,272	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26
	1800	208-230/460	215TC	U10P2DC	\$1,416	DS-3AL	1.25	20.3	133	91.7	26.5-23.9/12	
15	1800	575	215TC	U10P2GC	\$1,416	DS-3AL	1.25	20.3	133	91.7	9.6	
	1200	208-230/460	256TC	U10P3DC	\$2,558	DS-3AL	1.25	25.8	250	91.7	27.1-24.6/12.3	
	3600	208-230/460	215TC	U15P1DFC	\$1,812	DS-3AL	1.25	21.5	125	91.0	39-35/17.6	
	3600	208-230/460	254TC	U15P1DC	\$2,174	DS-3AL	1.25	24.0	180	91.0	39-35/17.3	02,03
20	3600	575	254TC	U15P1GC	\$2,174	DS-3AL	1.25	24.0	185	91.0	13.9	
	1800	208-230/460	254TC	U15P2DC	\$1,973	DS-3AL	1.25	24.0	240	92.4	40-37/18.4	
	3600	208-230/460	256TC	U20P1DC	\$2,650	DS-3AL	1.25	25.8	230	91.0	53-46/23	02,03
20	3600	575	256TC	U20P1GC	\$2,650	DS-3AL	1.25	25.8	230	91.0	18.5	02
	1800	208-230/460	256TC	U20P2DC	\$2,391	DS-3AL	1.25	25.8	250	93.0	53-47/23.7	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 14 NEMA® Design A
 Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLDMOTOR® features
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE C-FACE
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY
 GENERAL PURPOSE 841 PLUS
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC), C-Face Footed



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
25	3600	208-230/460	284TC	U25P1DC	\$3,268	DS-3AL	1.15	28.3	250	91.7	65-57/28.4	
	1800	208-230/460	284TC	U25P2DC	\$2,890	DS-3AL	1.15	28.3	290	93.6	65-59/29.3	
30	1800	208-230/460	286TC	U30P2DC	\$3,333	DS-3AL	1.25	28.4	325	93.6	78-73/36	

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General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA® Premium Efficient – IE3, C-Face Footed



UT,FUT
UTE

APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- WORLD MOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	1200	208-230/460	182TC	U32P3DC	\$845	DS-3AL	1.25	16.2	60	87.5	4.8-4.7/2.3	
	1200	575	182TC	U32P3GC	\$845	DS-3AL	1.25	16.2	60	87.5	1.8	
2	1200	208-230/460	184TC	U2P3DC	\$930	DS-3AL	1.25	16.9	70	88.5	6.4-6.2/3.1	
3	3600	208-230/460	182TC	U3P1DC	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	182TCH	U3P1DK	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	1800	208-230/460	182TC	U3P2DC	\$772	DS-3AL	1.25	16.2	70	89.5	8.4-7.8/3.9	
	1800	208-230/460	182TCH	U3P2DK	\$772	DS-3AL	1.25	16.2	60	89.5	8.4-7.8/3.9	
	1800	575	182TC	U3P2GC	\$772	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3P3DC	\$1,150	DS-3AL	1.25	18.8	110	89.5	9.3-8.6/4.3	
5	3600	208-230/460	184TC	U5P1DC	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	3600	208-230/460	184TCH	U5P1DK	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	1800	200	184TCH	U5P2HK	\$882	DS-3AL	1.25	16.9	80	89.5	14.2	
	1800	208-230/460	184TC	U5P2DC	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	208-230/460	184TCH	U5P2DK	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	575	184TC	U5P2GC	\$882	DS-3AL	1.25	16.9	70	89.5	5	
	1200	208-230/460	215TC	U5P3DC	\$1,597	DS-3AL	1.25	20.3	135	90.2	15-14/7	
	1200	575	215TC	U5P3GC	\$1,597	DS-3AL	1.25	20.3	135	89.5	5.6	
7 1/2	3600	208-230/460	213TC	U7P1DC	\$1,306	DS-3AL	1.25	18.8	105	91.0	19.9-17.8/8.9	03
	3600	575	213TC	U7P1GC	\$1,306	DS-3AL	1.25	18.8	105	89.5	7.5	
	1800	208-230/460	213TC	U7P2DC	\$1,192	DS-3AL	1.25	18.8	105	91.7	20-18.2/9.1	
	1200	208-230/460	254TC	U7P3DC	\$2,147	DS-3AL	1.25	24.0	180	91.0	20.6-19/9.5	
10	3600	208-230/460	215TC	U10P1DC	\$1,511	DS-3AL	1.25	20.3	125	91.7	26.4-23.5/11.8	
	3600	575	215TC	U10P1GC	\$1,511	DS-3AL	1.25	20.1	125	91.7	9.4	
	1800	208-230/460	215TC	U10P2DC	\$1,416	DS-3AL	1.25	20.3	133	91.7	26.5-23.9/12	
	1800	575	215TC	U10P2GC	\$1,416	DS-3AL	1.25	20.3	133	91.7	9.6	
	1200	208-230/460	256TC	U10P3DC	\$2,558	DS-3AL	1.25	25.8	250	91.7	27.1-24.6/12.3	
15	3600	208-230/460	215TC	U15P1DFC	\$1,812	DS-3AL	1.25	21.5	125	91.0	39-35/17.6	
	3600	208-230/460	254TC	U15P1DC	\$2,174	DS-3AL	1.25	24.0	180	91.0	39-35/17.3	02,03
	3600	575	254TC	U15P1GC	\$2,174	DS-3AL	1.25	24.0	185	91.0	13.9	
	1800	208-230/460	254TC	U15P2DC	\$1,973	DS-3AL	1.25	24.0	240	92.4	40-37/18.4	
20	3600	208-230/460	256TC	U20P1DC	\$2,650	DS-3AL	1.25	25.8	230	91.0	53-46/23	02,03
	3600	575	256TC	U20P1GC	\$2,650	DS-3AL	1.25	25.8	230	91.0	18.5	02
	1800	208-230/460	256TC	U20P2DC	\$2,391	DS-3AL	1.25	25.8	250	93.0	53-47/23.7	
25	3600	208-230/460	284TC	U25P1DC	\$3,268	DS-3AL	1.15	28.3	250	91.7	65-57/28.4	
	1800	208-230/460	284TC	U25P2DC	\$2,890	DS-3AL	1.15	28.3	290	93.6	65-59/29.3	
30	1800	208-230/460	286TC	U30P2DC	\$3,333	DS-3AL	1.25	28.4	325	93.6	78-73/36	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE C-FACE
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY
 GENERAL PURPOSE 841 PLUS
 GENERAL PURPOSE OPEN DRIP PROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footed



APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2AC	\$246	DS-3RST	1.25	10.8	20	70.0	1.3-1.4/0.7	26,NNP
	1800	575	56C	U14S2GC	\$246	DS-3RST	1.25	10.8	22	75.5	0.4	26,NNP
	1200	208-230/460	56C	U14S3AC	\$323	DS-3RST	1.25	10.8	22	72.0	1.1-1.2/0.6	26,NNP
1/3	1800	208-230/460	56C	U13S2AC	\$281	DS-3RST	1.25	10.8	20	72.0	1.4-1.5/0.7	26,NNP
	1800	575	56C	U13S2GC	\$281	DS-3RST	1.25	10.8	47	75.5	0.5	26,NNP
	1200	208-230/460	56C	U13S3AC	\$361	DS-3RST	1.25	10.8	23	75.5	1.3-1.3/0.6	26,NNP
1/2	3600	208-230/460	56C	U12S1AC	\$306	DS-3RST	1.25	10.8	25	70.0	1.7-1.6/0.8	26,NNP
	1800	208-230/460	56C	U12S2AC	\$306	DS-3RST	1.25	10.8	26	74.0	1.8-1.8/0.9	26,NNP
	1800	575	56C	U12S2GC	\$306	DS-3RST	1.25	10.8	36	74.0	0.7	26,NNP
	1200	208-230/460	56C	U12S3AC	\$393	DS-3RST	1.25	11.5	26	72.0	2.2-2.2/1.1	NNP
3/4	3600	208-230/460	56C	U34S1AC	\$319	DS-3RST	1.25	10.8	26	74.0	2.5-2.2/1.1	26,NNP
	1800	208-230/460	56C	U34S2AC	\$329	DS-3RST	1.25	10.8	32	77.0	2.7-2.7/1.4	26,NNP
	1800	575	56C	U34S2GC	\$329	DS-3RST	1.25	10.8	27	75.5	1.1	26,NNP
	1200	208-230/460	143TC	U34S3DC	\$464	DS-3RST	1.25	12.1	30	72.0	3.1-3.1/1.6	26,NNP
	1200	208-230/460	56C	U34S3AC	\$464	DS-3RST	1.25	12.9	33	-	3.1-3.2/1.6	NNP
1	3600	208-230/460	56C	U1S1AC	\$360	DS-3RST	1.25	10.8	15	74.0	3.2-2.9/1.5	26,NNP
	1800	208-230/460	143TC	U1P2DC	\$503	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFC	\$347	DS-3RST	1.25	10.8	28	80.0	3.4-3.4/1.7	26,NNP
	1800	575	143TC	U1P2GC	\$503	DS-3RST	1.25	12.1	50	85.5	1.1	
	1800	575	56C	U1S2GFC	\$347	DS-3RST	1.25	10.8	40	81.5	1.4	26,NNP
	1200	208-230/460	145TC	U1P3DC	\$655	DS-3RST	1.25	13.1	40	82.5	3.6-3.5/1.8	03
	1200	208-230/460	56C	U1S3DFC	\$471	DS-3RST	1.25	10.8	36	78.5	3.8-3.9/2	26,NNP
	1200	575	145TC	U1P3GC	\$655	DS-3RST	1.25	13.1	40	82.5	1.4	
1 1/2	3600	200	143TC	U32P1HC	\$567	DS-3RST	1.25	12.1	30	84.0	4.4	
	3600	208-230/460	143TC	U32P1DC	\$567	DS-3RST	1.25	12.1	30	84.0	4.2-3.9/1.9	03
	3600	208-230/460	56C	U32S1AFC	\$400	DS-3RST	1.25	10.8	32	78.5	4.6-4/2	26,NNP
	3600	575	143TC	U32P1GC	\$567	DS-3RST	1.25	12.1	30	84.0	1.6	
	1800	200	145TC	U32P2HC	\$549	DS-3RST	1.25	13.1	60	86.5	4.7	
	1800	208-230/460	145TC	U32P2DC	\$549	DS-3RST	1.25	13.1	35	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56C	U32S2AFC	\$384	DS-3RST	1.25	10.8	32	81.5	4.7-4.7/2.3	26,NNP
	1800	575	145TC	U32P2GC	\$549	DS-3RST	1.25	13.1	35	86.5	1.7	
	1800	575	56C	U32S2GFC	\$384	DS-3RST	1.25	12.1	32	80.0	1.9	26,NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 26 Does not include WORLDMOTOR® features

Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footed



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	3600	208-230/460	145TC	U2P1DC	\$659	DS-3RST	1.25	13.1	40	85.5	5.4-4.9/2.5	03
	3600	208-230/460	56C	U2S1AFC	\$475	DS-3RST	1.25	12.1	30	80.0	5.9-5.3/2.6	26,NNP
	3600	575	145TC	U2P1GC	\$659	DS-3RST	1.25	13.1	40	85.5	2	
	1800	208-230/460	145TC	U2P2DC	\$593	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFC	\$421	DS-3RST	1.25	10.8	42	82.5	6.3-6.3/3.2	26,NNP
	1800	575	145TC	U2P2GC	\$593	DS-3RST	1.25	13.1	45	86.5	2.3	
	1800	575	56C	U2S2GFC	\$421	DS-3RST	1.25	12.5	39	-	2.5	NNP
3	3600	208-230/460	145TC	U3P1A14C	\$772	DS-3RST	1.25	13.1	53	86.5	8.1-7.2/3.6	03,14
	3600	208-230/460	56C	U3S1AFC	\$522	DS-3RST	1.25	10.8	32	82.5	8.5-7.5/3.8	26,NNP
	1800	208-230/460	182TC	S3P2AC	\$669	DS-3RST	1.15	15.9	85	89.5	8.4-7.8/3.9	04,16,26
5	3600	208-230/460	184TC	S5P1AC	\$770	DS-3RST	1.15	15.9	65	88.5	13.6-12.1/6.1	04,16,26
	1800	208-230/460	184TC	S5P2AC	\$770	DS-3RST	1.15	15.9	110	89.5	13.5-12.5/6.2	04,16,26
7 1/2	3600	208-230/460	213TC	S7P1AC	\$1,128	DS-3RST	1.15	19.4	116	90.2	19.9-17.9/9	04,16,26
	1800	208-230/460	213TC	S7P2AC	\$1,074	DS-3RST	1.15	19.4	90	91.7	20-18.1/9.1	04,16,26
10	3600	208-230/460	215TC	S10P1AC	\$1,336	DS-3RST	1.15	19.4	131	90.2	26.5-23.5/11.7	04,16,26
	1800	208-230/460	215TC	S10P2AC	\$1,272	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power
 Note 14 NEMA^{®†} Design A

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLDMOTOR[®] features
 Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE C-FACE
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY
 GENERAL PURPOSE 841 PLUS[®]
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face Footless

APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

UNIMOUNT® NEMA®† Premium Efficient (Discount Symbol DS-3AL)

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

STEEL EDGE™ (Discount Symbol DS-3RST)

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2DCR	\$231	DS-3RST	1.25	10.8	23	70.0	1-1/0.5	16,NNP
	1200	208-230/460	56C	T14S3DCR	\$308	DS-3RST	1.15	11.3	27	75.5	1.4-1.4/0.7	NNP
1/3	3600	208-230/460	56C	T13S1ACR	\$279	DS-3RST	1.15	10.9	32	-	1.7-1.8/0.9	103,NNP
	1800	208-230/460	42CZ	T13S2D42ZCR	\$266	DS-3RST	1.00	11.6	9	-	1.5-1.5/0.75	26,NNP
	1800	208-230/460	56C	U13S2ACR	\$266	DS-3RST	1.25	10.8	25	72.0	1.2-1.2/0.6	16,NNP
	1800	575	56C	T13S2GCR	\$266	DS-3RST	1.15	11.4	26	-	0.59	103,NNP
	1200	208-230/460	56C	T13S3DCR	\$346	DS-3RST	1.15	11.3	32	77.0	1.6-1.6/0.80	NNP
1/2	3600	208-230/460	56C	T12S1ACR	\$291	DS-3RST	1.15	10.9	32	64.0	2.18-2.18/1.09	103,NNP
	1800	208-230/460	56C	U12P2DCR	\$378	DS-3RST	1.25	12.1	30	-	1.8-1.8/0.9	03
	1800	208-230/460	56C	U12S2ACR	\$291	DS-3RST	1.25	10.8	25	75.5	1.8-1.7/0.9	16,NNP
	1800	575	56C	U12S2GCR	\$291	DS-3RST	1.25	10.8	27	74.0	0.7	NNP
	1200	208-230/460	56C	U12S3ACR	\$378	DS-3RST	1.25	10.8	25	72.0	2.1-2.1/1.1	16,NNP
3/4	3600	208-230/460	56C	U34S1ACR	\$304	DS-3RST	1.25	10.8	27	75.5	2.5-2.2/1.1	16,NNP
	1800	208-230/460	56C	U34P2DCR	\$408	DS-3RST	1.25	12.1	30	-	2.3-2.3/1.1	03
	1800	208-230/460	56C	U34S2ACR	\$314	DS-3RST	1.25	10.8	28	78.5	2.6-2.7/1.3	16,NNP
	1800	575	56C	U34S2GCR	\$314	DS-3RST	1.25	10.8	28	80.0	0.9	NNP
	1200	208-230/460	143TC	6252	\$720	DS-3FMP	1.15	12.1	30	77.0	3.4-3.5/1.7	103,NNP
	1200	208-230/460	56C	U34S3ACR	\$449	DS-3RST	1.15	12.9	32	-	3.1-3.2/1.6	103,NNP
1	3600	208-230/460	56C	U1S1ACR	\$345	DS-3RST	1.25	10.8	38	74.0	3.2-2.9/1.5	16,NNP
	1800	208-230/460	143TC	U1E2DCR	\$403	DS-3RST	1.15	12.1	35	82.5	3.1-3/1.5	NNP
	1800	208-230/460	143TC	U1P2DCR	\$488	DS-3RST	1.25	12.1	35	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1P2DFCR	\$488	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFCR	\$332	DS-3RST	1.25	10.8	31	81.5	3.3-3.4/1.7	16,NNP
	1800	575	143TC	U1E2GCR	\$403	DS-3RST	1.25	12.1	35	82.5	1.2	NNP
	1800	575	56C	U1S2GFCR	\$332	DS-3RST	1.25	12.1	31	80.0	1.4	NNP
	1200	208-230/460	56C	T1S3ACR	\$456	DS-3RST	1.15	13.4	32	83.0	3.7-3.8/1.9	103,NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLDMOTOR® features
 Note 103 Does not accept brake kit
 Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face Footless

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	3600	208-230/460	143TC	U32E1A14CR	\$552	DS-3RST	1.15	11.9	32	82.5	4.9-5.0/2.5	103, NNP
	3600	208-230/460	56C	T32S1ACR	\$385	DS-3RST	1.15	11.9	27	80.0	4.7-4.5/2.2	103, NNP
	1800	208-230/460	145TC	U32E2DCR	\$439	DS-3RST	1.25	12.1	40	84.0	4.6-4.3/2.2	NNP
	1800	208-230/460	145TC	U32P2DCR	\$534	DS-3RST	1.25	13.1	40	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56C	T32E2ACR	\$439	DS-3RST	1.25	12.9	32	84.0	4.5-4.5/2.2	103, NNP
	1800	208-230/460	56C	U32S2AFCR	\$369	DS-3RST	1.25	10.8	33	81.5	4.7-4.7/2.3	16, NNP
	1800	575	145TC	U32E2GCR	\$439	DS-3RST	1.15	12.1	80	84.0	1.8	26, NNP
	1800	575	56C	U32S2GFGR	\$369	DS-3RST	1.25	12.1	33	80.0	1.9	NNP
	1200	208-230/460	182TC	U32E3DCR	\$611	DS-3AL	1.25	16.1	55	85.5	5.3-5.3/2.7	03, NNP
	1200	208-230/460	56C	T32S3ACR	\$564	DS-3RST	1.15	14.4	32	-	5.4-5.3/2.6	103, NNP
	1200	575	182TC	U32E3GCR	\$611	DS-3AL	1.25	16.1	50	85.5	2.1	NNP
2	3600	208-230/460	56C	T2S1ACR	\$460	DS-3RST	1.15	11.9	32	80.0	6.0-5.4/2.7	103, NNP
	1800	208-230/460	145TC	U2E2DCR	\$475	DS-3RST	1.25	12.1	45	84.0	6.1-5.9/2.9	NNP
	1800	208-230/460	145TC	U2P2DCR	\$578	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFGR	\$406	DS-3RST	1.25	12.1	43	80.0	6.3-6.2/3.1	16, NNP
	1800	575	145TC	U2E2GCR	\$475	DS-3RST	1.25	12.1	45	84.0	2.4	NNP
	1800	575	56C	T2S2GCR	\$406	DS-3RST	1.15	13.4	26	82.5	2.4	103, NNP
	1200	208-230/460	184TC	U2E3DCR	\$682	DS-3AL	1.25	16.9	70	86.5	7-6.8/3.4	03, NNP
3	3600	208-230/460	145TC	U3E1A14CR	\$528	DS-3RST	1.25	13.4	32	85.5	8.5-7.3/3.6	103, NNP
	3600	208-230/460	182TC	U3E1DCR	\$688	DS-3AL	1.25	16.1	58	85.5	8.7-8/4	03, NNP
	3600	208-230/460	182TCH	U3E1DKR	\$688	DS-3AL	1.25	16.1	53	85.5	8.7-8/4	03, NNP
	3600	208-230/460	56C	T3S1ACR	\$507	DS-3RST	1.15	13.4	32	86.0	8.5-7.3/3.6	103, NNP
	1800	208-230/460	182TC	S3E2ACR	\$569	DS-3RST	1.15	15.9	85	87.5	8.5-7.9/3.9	26, NNP
	1800	208-230/460	182TC	S3P2ACR	\$639	DS-3RST	1.15	15.9	60	89.5	8.4-7.8/3.9	04, 16, 26
	1800	208-230/460	182TC	U3E2DCR	\$618	DS-3AL	1.25	16.1	67	87.5	8.5-7.9/3.9	03, NNP
	1800	208-230/460	182TC	U3P2DCR	\$742	DS-3AL	1.25	16.1	60	89.5	8.4-7.8/3.9	03
	1800	208-230/460	56C	T3S2ACR	\$517	DS-3RST	1.00	14.9	50	87.5	9.5-9.2/4.6	103, NNP
	1800	575	182TC	U3E2GCR	\$618	DS-3AL	1.25	16.1	60	87.5	3.2	NNP
	1800	575	182TC	U3P2GCR	\$742	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3E3DCR	\$920	DS-3AL	1.25	18.6	110	87.5	9.7-9.1/4.5	03, NNP
	5	3600	208-230/460	184TC	S5E1ACR	\$655	DS-3RST	1.15	15.9	65	87.5	13.7-12.3/6.1
3600		208-230/460	184TC	S5P1ACR	\$740	DS-3RST	1.15	15.9	70	88.5	13.6-12.1/6.1	04, 16, 26
3600		208-230/460	184TC	U5E1DCR	\$845	DS-3AL	1.25	16.9	120	87.5	13.8-12.3/6.1	03, NNP
1800		208-230/460	184TC	S5E2ACR	\$655	DS-3RST	1.15	15.9	110	87.5	14.2-12.8/6.4	26, NNP
1800		208-230/460	184TC	S5P2ACR	\$740	DS-3RST	1.15	15.9	70	89.5	13.5-12.5/6.2	04, 16, 26
1800		208-230/460	184TC	U5E2DCR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	NNP
1800		208-230/460	184TC	U5P2DCR	\$852	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	03
1800		208-230/460	184TCH	U5E2DKR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	03, NNP
1800		575	184TC	U5E2GCR	\$706	DS-3AL	1.25	16.9	70	87.5	5.2	NNP
1200		208-230/460	215TC	U5E3DCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	15.6-14.5/7.3	03, NNP
1200		575	215TC	U5E3GCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	5.8	NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power
 Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLD MOTOR® features
 Note 103 Does not accept brake kit
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face Footless

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
7 1/2	3600	208-230/460	213TC	S7E1ACR	\$959	DS-3RST	1.15	19.4	55	88.5	20.6-18.4/9.2	26,NNP
	3600	208-230/460	213TC	S7P1ACR	\$1,083	DS-3RST	1.15	19.4	105	90.2	19.9-17.9/9	04,16,26
	3600	208-230/460	213TC	U7E1DCR	\$1,045	DS-3AL	1.25	18.6	100	88.5	20.4-18.4/9.2	03,NNP
	1800	208-230/460	213TC	S7E2ACR	\$913	DS-3RST	1.15	19.4	90	89.5	20.1-18.3/9.1	26,NNP
	1800	208-230/460	213TC	S7P2ACR	\$1,029	DS-3RST	1.15	19.4	0	91.7	20-18.1/9.1	04,16,26
	1800	208-230/460	213TC	U7E2DCR	\$954	DS-3AL	1.15	18.6	110	89.5	20.6-18.8/9.4	03,NNP
	1800	208-230/460	213TC	U7P2DCR	\$1,147	DS-3AL	1.25	18.6	110	91.7	20-18.2/9.1	03
	1800	575	213TC	U7E2GCR	\$954	DS-3AL	1.25	18.6	110	89.5	7.5	NNP
	1200	208-230/460	254TC	U7E3DCR	\$1,718	DS-3AL	1.25	23.9	200	89.5	20.8-18.8/9.4	02,03,NNP
10	3600	208-230/460	215TC	S10E1ACR	\$1,136	DS-3RST	1.15	19.4	65	89.5	26.5-23.5/11.7	26,NNP
	3600	208-230/460	215TC	S10P1ACR	\$1,291	DS-3RST	1.15	19.4	120	90.2	26.5-23.5/11.7	04,16,26
	3600	208-230/460	215TC	U10E1DCR	\$1,209	DS-3AL	1.25	20.1	110	89.5	26.7-23.8/11.9	03,NNP
	1800	208-230/460	215TC	S10E2ACR	\$1,081	DS-3RST	1.15	19.4	120	89.5	26.6-23.8/11.9	26,NNP
	1800	208-230/460	215TC	S10P2ACR	\$1,227	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26
	1800	208-230/460	215TC	U10E2DCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	27.2-24.6/12.3	03,NNP
	1800	208-230/460	215TC	U10P2DCR	\$1,371	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	03
	1800	575	215TC	U10E2GCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	9.9	NNP
	1200	208-230/460	256TC	U10E3DCR	\$2,046	DS-3AL	1.25	25.7	230	89.5	27.5-25/12.5	02,03,NNP
15	3600	208-230/460	215TC	U15E1DFCR	\$1,450	DS-3AL	1.25	20.1	120	90.2	40-35/17.7	02,03,NNP
	3600	208-230/460	254TC	U15E1DCR	\$1,739	DS-3AL	1.25	23.9	210	90.2	40-35/17.6	02,03,NNP
	1800	208-230/460	254TC	U15E2DCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	41-37/18.5	02,03,NNP
	1800	575	254TC	U15E2GCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	14.7	02,NNP
20	3600	208-230/460	256TC	U20E1DCR	\$2,120	DS-3AL	1.25	25.7	230	90.2	53-47/23.4	02,03,NNP
	1800	208-230/460	256TC	U20E2DCR	\$1,913	DS-3AL	1.25	25.7	250	91.0	54-49/24.3	02,03,NNP
25	1800	208-230/460	284TC	U25E2DCR	\$2,312	DS-3AL	1.25	28.3	290	92.4	67-59/29.6	02,03,NNP
30	1800	208-230/460	286TC	U30E2DCR	\$2,666	DS-3AL	1.25	28.3	320	92.4	80-72/36	02,03,NNP

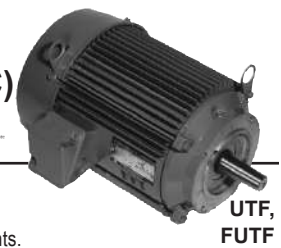
Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLD MOTOR® features
 Note NNP Non-NEMA* Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA® Premium Efficient, C-Face Footless



UTF,
FUTF

APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	1200	208-230/460	182TC	U32E3DCR	\$611	DS-3AL	1.25	16.1	55	85.5	5.3-5.3/2.7	03,NNP
	1200	575	182TC	U32E3GCR	\$611	DS-3AL	1.25	16.1	50	85.5	2.1	NNP
2	1200	208-230/460	184TC	U2E3DCR	\$682	DS-3AL	1.25	16.9	70	86.5	7-6.8/3.4	03,NNP
	3600	208-230/460	182TC	U3E1DCR	\$688	DS-3AL	1.25	16.1	58	85.5	8.7-8/4	03,NNP
3	3600	208-230/460	182TCH	U3E1DKR	\$688	DS-3AL	1.25	16.1	53	85.5	8.7-8/4	03,NNP
	1800	208-230/460	182TC	U3E2DCR	\$618	DS-3AL	1.25	16.1	67	87.5	8.5-7.9/3.9	03,NNP
	1800	208-230/460	182TC	U3P2DCR	\$742	DS-3AL	1.25	16.1	60	89.5	8.4-7.8/3.9	03
	1800	575	182TC	U3E2GCR	\$618	DS-3AL	1.25	16.1	60	87.5	3.2	NNP
	1800	575	182TC	U3P2GCR	\$742	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3E3DCR	\$920	DS-3AL	1.25	18.6	110	87.5	9.7-9.1/4.5	03,NNP
	5	3600	208-230/460	184TC	U5E1DCR	\$845	DS-3AL	1.25	16.9	120	87.5	13.8-12.3/6.1
1800		208-230/460	184TC	U5E2DCR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	NNP
1800		208-230/460	184TC	U5P2DCR	\$852	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	03
1800		208-230/460	184TCH	U5E2DKR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	03,NNP
1800		575	184TC	U5E2GCR	\$706	DS-3AL	1.25	16.9	70	87.5	5.2	NNP
1200		208-230/460	215TC	U5E3DCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	15.6-14.5/7.3	03,NNP
1200		575	215TC	U5E3GCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	5.8	NNP
7 1/2	3600	208-230/460	213TC	U7E1DCR	\$1,045	DS-3AL	1.25	18.6	100	88.5	20.4-18.4/9.2	03,NNP
	1800	208-230/460	213TC	U7E2DCR	\$954	DS-3AL	1.15	18.6	110	89.5	20.6-18.8/9.4	03,NNP
	1800	208-230/460	213TC	U7P2DCR	\$1,147	DS-3AL	1.25	18.6	110	91.7	20-18.2/9.1	03
	1800	575	213TC	U7E2GCR	\$954	DS-3AL	1.25	18.6	110	89.5	7.5	NNP
	1200	208-230/460	254TC	U7E3DCR	\$1,718	DS-3AL	1.25	23.9	200	89.5	20.8-18.8/9.4	02,03,NNP
10	3600	208-230/460	215TC	U10E1DCR	\$1,209	DS-3AL	1.25	20.1	110	89.5	26.7-23.8/11.9	03,NNP
	1800	208-230/460	215TC	U10E2DCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	27.2-24.6/12.3	03,NNP
	1800	208-230/460	215TC	U10P2DCR	\$1,371	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	03
	1800	575	215TC	U10E2GCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	9.9	NNP
	1200	208-230/460	256TC	U10E3DCR	\$2,046	DS-3AL	1.25	25.7	230	89.5	27.5-25/12.5	02,03,NNP
15	3600	208-230/460	215TC	U15E1DFCR	\$1,450	DS-3AL	1.25	20.1	120	90.2	40-35/17.7	02,03,NNP
	3600	208-230/460	254TC	U15E1DCR	\$1,739	DS-3AL	1.25	23.9	210	90.2	40-35/17.6	02,03,NNP
	1800	208-230/460	254TC	U15E2DCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	41-37/18.5	02,03,NNP
	1800	575	254TC	U15E2GCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	14.7	02,NNP
20	3600	208-230/460	256TC	U20E1DCR	\$2,120	DS-3AL	1.25	25.7	230	90.2	53-47/23.4	02,03,NNP
	1800	208-230/460	256TC	U20E2DCR	\$1,913	DS-3AL	1.25	25.7	250	91.0	54-49/24.3	02,03,NNP
25	1800	208-230/460	284TC	U25E2DCR	\$2,312	DS-3AL	1.25	28.3	290	92.4	67-59/29.6	02,03,NNP
30	1800	208-230/460	286TC	U30E2DCR	\$2,666	DS-3AL	1.25	28.3	320	92.4	80-72/36	02,03,NNP

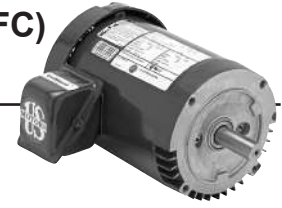
Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note NNP Non-NEMA® Premium Rating

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GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE C-FACE
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY
 GENERAL PURPOSE 841 PLUS
 GENERAL PURPOSE OPEN DRIP-PROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footless



APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2DCR	\$231	DS-3RST	1.25	10.8	23	70.0	1-1/0.5	16,NNP
	1200	208-230/460	56C	T14S3DCR	\$308	DS-3RST	1.15	11.3	27	75.5	1.4-1.4/0.7	NNP
1/3	3600	208-230/460	56C	T13S1ACR	\$279	DS-3RST	1.15	10.9	32	-	1.7-1.8/0.9	103,NNP
	1800	208-230/460	42CZ	T13S2D42ZCR	\$266	DS-3RST	1.00	11.6	9	-	1.5-1.5/0.75	26,NNP
	1800	208-230/460	56C	U13S2ACR	\$266	DS-3RST	1.25	10.8	25	72.0	1.2-1.2/0.6	16,NNP
	1800	575	56C	T13S2GCR	\$266	DS-3RST	1.15	11.4	26	-	0.59	103,NNP
	1200	208-230/460	56C	T13S3DCR	\$346	DS-3RST	1.15	11.3	32	77.0	1.6-1.6/0.80	NNP
1/2	3600	208-230/460	56C	T12S1ACR	\$291	DS-3RST	1.15	10.9	32	64.0	2.18-2.18/1.09	103,NNP
	1800	208-230/460	56C	U12P2DCR	\$378	DS-3RST	1.25	12.1	30	-	1.8-1.8/0.9	03
	1800	208-230/460	56C	U12S2ACR	\$291	DS-3RST	1.25	10.8	25	75.5	1.8-1.7/0.9	16,NNP
	1800	575	56C	U12S2GCR	\$291	DS-3RST	1.25	10.8	27	74.0	0.7	NNP
	1200	208-230/460	56C	U12S3ACR	\$378	DS-3RST	1.25	10.8	25	72.0	2.1-2.1/1.1	16,NNP
3/4	3600	208-230/460	56C	U34S1ACR	\$304	DS-3RST	1.25	10.8	27	75.5	2.5-2.2/1.1	16,NNP
	1800	208-230/460	56C	U34P2DCR	\$408	DS-3RST	1.25	12.1	30	-	2.3-2.3/1.1	03
	1800	208-230/460	56C	U34S2ACR	\$314	DS-3RST	1.25	10.8	28	78.5	2.6-2.7/1.3	16,NNP
	1800	575	56C	U34S2GCR	\$314	DS-3RST	1.25	10.8	28	80.0	0.9	NNP
	1200	208-230/460	56C	U34S3ACR	\$449	DS-3RST	1.15	12.9	32	-	3.1-3.2/1.6	103,NNP
1	3600	208-230/460	56C	U1S1ACR	\$345	DS-3RST	1.25	10.8	38	74.0	3.2-2.9/1.5	16,NNP
	1800	208-230/460	143TC	U1E2DCR	\$403	DS-3RST	1.15	12.1	35	82.5	3.1-3/1.5	NNP
	1800	208-230/460	56C	U1P2DFCR	\$488	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFCR	\$332	DS-3RST	1.25	10.8	31	81.5	3.3-3.4/1.7	16,NNP
	1800	575	143TC	U1E2GCR	\$403	DS-3RST	1.25	12.1	35	82.5	1.2	NNP
	1800	575	56C	U1S2GFGR	\$332	DS-3RST	1.25	12.1	31	80.0	1.4	NNP
	1200	208-230/460	56C	T1S3ACR	\$456	DS-3RST	1.15	13.4	32	83.0	3.7-3.8/1.9	103,NNP
	1 1/2	3600	208-230/460	143TC	U32E1A14CR	\$552	DS-3RST	1.15	11.9	32	82.5	4.9-5.0/2.5
3600		208-230/460	56C	T32S1ACR	\$385	DS-3RST	1.15	11.9	27	80.0	4.7-4.5/2.2	103,NNP
1800		208-230/460	145TC	U32E2DCR	\$439	DS-3RST	1.25	12.1	40	84.0	4.6-4.3/2.2	NNP
1800		208-230/460	145TC	U32P2DCR	\$534	DS-3RST	1.25	13.1	40	86.5	4.5-4.3/2.1	03
1800		208-230/460	56C	T32E2ACR	\$439	DS-3RST	1.25	12.9	32	84.0	4.5-4.5/2.2	103,NNP
1800		208-230/460	56C	U32S2AFGR	\$369	DS-3RST	1.25	10.8	33	81.5	4.7-4.7/2.3	16,NNP
1800		575	145TC	U32E2GCR	\$439	DS-3RST	1.15	12.1	80	84.0	1.8	26,NNP
1800		575	56C	U32S2GFGR	\$369	DS-3RST	1.25	12.1	33	80.0	1.9	NNP
1200		208-230/460	56C	T32S3ACR	\$564	DS-3RST	1.15	14.4	32	-	5.4-5.3/2.6	103,NNP
2	3600	208-230/460	56C	T2S1ACR	\$460	DS-3RST	1.15	11.9	32	80.0	6.0-5.4/2.7	103,NNP
	1800	208-230/460	145TC	U2E2DCR	\$475	DS-3RST	1.25	12.1	45	84.0	6.1-5.9/2.9	NNP
	1800	208-230/460	145TC	U2P2DCR	\$578	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFGR	\$406	DS-3RST	1.25	12.1	43	80.0	6.3-6.2/3.1	16,NNP
	1800	575	145TC	U2E2GCR	\$475	DS-3RST	1.25	12.1	45	84.0	2.4	NNP
	1800	575	56C	T2S2GCR	\$406	DS-3RST	1.15	13.4	26	82.5	2.4	103,NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLDMOTOR® features

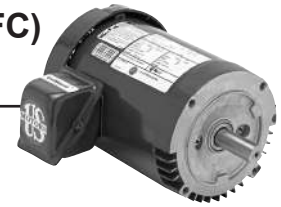
Note 103 Does not accept brake kit

Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footless



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3	3600	208-230/460	145TC	U3E1A14CR	\$528	DS-3RST	1.25	13.4	32	85.5	8.5-7.3/3.6	103,NNP
	3600	208-230/460	56C	T3S1ACR	\$507	DS-3RST	1.15	13.4	32	86.0	8.5-7.3/3.6	103,NNP
	1800	208-230/460	182TC	S3E2ACR	\$569	DS-3RST	1.15	15.9	85	87.5	8.5-7.9/3.9	26,NNP
	1800	208-230/460	182TC	S3P2ACR	\$639	DS-3RST	1.15	15.9	60	89.5	8.4-7.8/3.9	04,16,26
	1800	208-230/460	56C	T3S2ACR	\$517	DS-3RST	1.00	14.9	50	87.5	9.5-9.2/4.6	103,NNP
5	3600	208-230/460	184TC	S5E1ACR	\$655	DS-3RST	1.15	15.9	65	87.5	13.7-12.3/6.1	26,NNP
	3600	208-230/460	184TC	S5P1ACR	\$740	DS-3RST	1.15	15.9	70	88.5	13.6-12.1/6.1	04,16,26
	1800	208-230/460	184TC	S5E2ACR	\$655	DS-3RST	1.15	15.9	110	87.5	14.2-12.8/6.4	26,NNP
	1800	208-230/460	184TC	S5P2ACR	\$740	DS-3RST	1.15	15.9	70	89.5	13.5-12.5/6.2	04,16,26
7 1/2	3600	208-230/460	213TC	S7E1ACR	\$959	DS-3RST	1.15	19.4	55	88.5	20.6-18.4/9.2	26,NNP
	3600	208-230/460	213TC	S7P1ACR	\$1,083	DS-3RST	1.15	19.4	105	90.2	19.9-17.9/9	04,16,26
	1800	208-230/460	213TC	S7E2ACR	\$913	DS-3RST	1.15	19.4	90	89.5	20.1-18.3/9.1	26,NNP
	1800	208-230/460	213TC	S7P2ACR	\$1,029	DS-3RST	1.15	19.4	105	91.7	20-18.1/9.1	04,16,26
10	3600	208-230/460	215TC	S10E1ACR	\$1,136	DS-3RST	1.15	19.4	65	89.5	26.5-23.5/11.7	26,NNP
	3600	208-230/460	215TC	S10P1ACR	\$1,291	DS-3RST	1.15	19.4	120	90.2	26.5-23.5/11.7	04,16,26
	1800	208-230/460	215TC	S10E2ACR	\$1,081	DS-3RST	1.15	19.4	120	89.5	26.6-23.8/11.9	26,NNP
	1800	208-230/460	215TC	S10P2ACR	\$1,227	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26

Note 04 On 60 Hertz Sine Wave power

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLD MOTOR® features

Note 103 Does not accept brake kit

Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



Definite Purpose Three Phase, UNIMOUNT® Totally Enclosed Fan Cooled (TEFC) Multi-Speed



UT

APPLICATIONS:

For applications requiring more than one standard speed.

FEATURES:

- Class F Insulation
- Extruded Aluminum Frame (140: Rolled Steel)
- Aluminum End Shields With Steel Bearing Inserts
- 40°C Ambient
- Regreasable Bearings 250 Frame & Up
- Double Shielded Bearings
- Removable Base 180 Frame & Up
- Lifting Provisions 180 Frame & Up
- Conversion Kits: C&D Flanges
- 1.0 Service Factor Or Higher

Variable Torque, 1800/900 RPM, One Winding

HP (HP-Low)	RPM/RPM-Low (# Wdgs)	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 (1/4)	1800/900(1)	460	143T	U1L9C	\$700	DS-3MS	1.25	12.8	34	78.5	1.6	
1 1/2 (3/8)	1800/900(1)	460	145T	U32L9C	\$770	DS-3MS	1.25	12.8	34	78.5	2.4	
2 (1/2)	1800/900(1)	460	145T	U2L9C	\$850	DS-3MS	1.25	13.8	42	81.5	3	
3 (3/4)	1800/900(1)	460	182T	U3L9C	\$884	DS-3MS	1.25	16.1	52	80.0	4.4	
5 (1-1/4)	1800/900(1)	460	184T	U5L9C	\$1,234	DS-3MS	1.15	16.9	60	84.0	7	
7 1/2 (1-7/8)	1800/900(1)	460	213T	U7L9C	\$1,532	DS-3MS	1.25	18.6	102	87.5	9.5	
10 (2-1/2)	1800/900(1)	460	215T	U10L9C	\$1,936	DS-3MS	1.15	20.1	130	84.0	13	
15 (3-3/4)	1800/900(1)	460	254T	U15L9C	\$2,544	DS-3MS	1.25	23.9	222	87.5	18.6	
20 (5)	1800/900(1)	460	256T	U20L9C	\$3,166	DS-3MS	1.15	25.6	242	87.5	24.4	
25/ (6-1/4)	1800/900(1)	460	286T	U25L9C	\$3,730	DS-3MS	1.15	28.3	262	87.5	30	

Constant Torque, 1800/900 RPM, One Winding

HP (HP-Low)	RPM/RPM-Low (# Wdgs)	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 (1/2)	1800/900(1)	460	145T	U1R9C	\$846	DS-3MS	1.25	13.8	42	81.5	1.5	
1 1/2 (3/4)	1800/900(1)	460	182T	U32R9C	\$928	DS-3MS	1.25	16.1	58	80.0	2.2	
2 (1)	1800/900(1)	460	182T	U2R9C	\$1,026	DS-3MS	1.25	16.1	40	80.0	2.8	
3 (1-1/2)	1800/900(1)	460	184T	U3R9C	\$1,065	DS-3MS	1.15	16.1	67	78.5	4.1	
5 (2-1/2)	1800/900(1)	460	215T	U5R9C	\$1,490	DS-3MS	1.25	20.1	112	82.5	6.6	
7 1/2 (3-3/4)	1800/900(1)	460	254T	U7R9C	\$1,851	DS-3MS	1.15	23.9	190	84.0	9.6	
10 (5)	1800/900(1)	460	256T	U10R9C	\$2,338	DS-3MS	1.00	25.6	238	84.0	12.7	
15 (7-1/2)	1800/900(1)	460	284T	U15R9C	\$3,068	DS-3MS	1.25	28.3	262	85.5	18.6	
20 (10)	1800/900(1)	460	286T	U20R9C	\$3,820	DS-3MS	1.15	28.3	262	85.5	24.7	

Constant Torque, 1800/1200 RPM, Two Winding

HP (HP-Low)	RPM/RPM-Low (# Wdgs)	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 (2/3)	1800/1200(2)	460	145T	U1D10C	\$1,161	DS-3MS	1.15	13.8	42	80.0	1.8	
1 1/2 (1)	1800/1200(2)	460	182T	U32D10C	\$1,273	DS-3MS	1.25	16.1	50	75.5	2.7	
2 (1-1/3)	1800/1200(2)	460	184T	U2D10C	\$1,403	DS-3MS	1.25	16.9	85	77.0	3.4	
3 (2)	1800/1200(2)	460	213T	U3D10C	\$1,460	DS-3MS	1.00	18.6	90	82.5	4.2	
5 (3-1/3)	1800/1200(2)	460	215T	U5D10C	\$2,044	DS-3MS	1.25	20.1	90	84.0	6.7	
7 1/2 (5)	1800/1200(2)	460	254T	U7D10C	\$2,537	DS-3MS	1.25	23.9	232	84.0	10.1	
10 (6-2/3)	1800/1200(2)	460	256T	U10D10C	\$3,207	DS-3MS	1.25	25.6	262	85.5	12.9	
15 (10)	1800/1200(2)	460	286T	U15D10C	\$4,210	DS-3MS	1.25	28.3	262	86.5	18.8	

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty NEMA^{®†} Premium Efficient – IE3



CTE

APPLICATIONS:

For pulp & paper plants, saw mills, mines, foundries, chemical plants, waste management facilities, and other process-related industries requiring protection within harsh operating conditions.

FEATURES:

- WORLDMOTOR[®] Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- Same Size Bearings (180 – 400 Frames)
- Shaft Slinger On Pulley End For IP54 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- Regreaseable Ball Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- 1.15 Service Factor @ 60 Hz
- Steel Fan Cover & Conduit Box
- Field Convertible To F2 Mounting 180 Frame & Larger
- Condensation Drains With Threaded Brass Breather Plugs
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 320-360)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	200	143T	H1P2H	\$498	DS-3HD	12.9	45	85.5	3.4	
	1800	208-230/460	143T	H1P2D	\$498	DS-3HD	12.9	45	85.5	3.2-3/1.5	03
	1800	575	143T	H1P2G	\$498	DS-3HD	12.9	47	86.5	1.1	
	1200	208-230/460	145T	H1P3D	\$677	DS-3HD	13.1	52	82.5	3.6-3.5/1.8	03
	900	208-230/460	182T	H1E4D	\$1,049	DS-3HD	16.0	100	74.0	4.4-4.7/2.4	NNP
1 1/2	3600	200	143T	H32P1H	\$574	DS-3HD	12.9	45	84.0	4.4	
	3600	208-230/460	143T	H32P1D	\$574	DS-3HD	12.9	47	84.0	4.2-3.9/2	03
	1800	200	145T	H32P2H	\$552	DS-3HD	13.1	50	86.5	4.7	
	1800	208-230/460	145T	H32P2D	\$552	DS-3HD	13.1	52	86.5	4.5-4.3/2.1	03
	1800	575	145T	H32P2G	\$552	DS-3HD	13.1	52	86.5	1.7	
	1200	200	182T	H32P3H	\$751	DS-3HD	16.0	85	87.5	5.4	
	1200	208-230/460	182T	H32P3D	\$751	DS-3HD	16.0	138	87.5	4.8-4.7/2.3	03
	900	230/460	184T	H32E4E	\$1,164	DS-3HD	16.0	110	78.5	6.6/3.3	NNP
2	3600	200	145T	H2P1H	\$682	DS-3HD	13.1	50	86.5	5.6	
	3600	208-230/460	145T	H2P1D	\$682	DS-3HD	13.1	52	86.5	5.4-4.9/2.4	03
	3600	575	145T	H2P1G	\$682	DS-3HD	13.1	52	86.5	2	
	1800	200	145T	H2P2H	\$605	DS-3HD	13.1	50	86.5	6.2	03
	1800	208-230/460	145T	H2P2D	\$605	DS-3HD	13.1	50	86.5	6-5.7/2.8	03
	1800	575	145T	H2P2G	\$605	DS-3HD	13.1	52	86.5	2.3	
	1200	200	184T	H2P3H	\$836	DS-3HD	16.0	95	88.5	7.2	
	1200	208-230/460	184T	H2P3D	\$836	DS-3HD	16.0	95	88.5	6.4-6.2/3.1	03
	1200	575	184T	H2P3G	\$836	DS-3HD	16.0	95	88.5	2.5	
	900	230/460	213T	H2E4E	\$1,296	DS-3HD	19.2	160	82.5	7.6/3.8	03, NNP
900	575	213T	H2E4G	\$1,296	DS-3HD	19.2	160	82.5	3	NNP	
3	3600	200	182T	H3P1H	\$767	DS-3HD	16.0	85	86.5	8.8	
	3600	208/230	182T	H3P1D	\$767	DS-3HD	16.0	85	87.5	8.4/7.8	03
	3600	575	182T	H3P1G	\$767	DS-3HD	16.0	100	87.5	3.1	
	1800	200	182T	H3P2H	\$678	DS-3HD	16.0	85	89.5	9.1	
	1800	208-230/460	182T	H3P2D	\$678	DS-3HD	16.0	100	89.5	8.4-7.8/3.9	03
	1800	575	182T	H3P2G	\$678	DS-3HD	16.0	85	89.5	3.2	
	1200	200	213T	H3P3H	\$1,036	DS-3HD	19.2	150	89.5	10.1	
	1200	208-230/460	213T	H3P3D	\$1,036	DS-3HD	19.2	157	89.5	9.3-8.8/4.4	
	1200	575	213T	H3P3G	\$1,036	DS-3HD	19.2	157	89.5	3.5	
	900	200	215T	H3E4H	\$1,606	DS-3HD	19.2	180	84.0	12.8	NNP
	900	230/460	215T	H3E4E	\$1,606	DS-3HD	19.2	180	84.0	11.1/5.5	03, NNP
	900	575	215T	H3E4G	\$1,606	DS-3HD	19.2	180	84.0	4.5	NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note NNP Non-NEMA^{®†} Premium Rating

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRI-PROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty® NEMA® Premium Efficient – IE3 (continued)



CTE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
5	3600	200	184T	H5P1H	\$962	DS-3HD	16.0	100	88.5	14	
	3600	208-230/460	184T	H5P1D	\$962	DS-3HD	16.0	100	88.5	13.4-12.2/6.1	03
	3600	575	184T	H5P1G	\$962	DS-3HD	16.0	100	89.5	4.9	
	1800	200	184T	H5P2H	\$788	DS-3HD	16.0	100	89.5	14.6	
	1800	208-230/460	184T	H5P2D	\$788	DS-3HD	16.0	100	89.5	13.9-12.8/6.4	03
	1800	575	184T	H5P2G	\$788	DS-3HD	16.0	100	89.5	5.1	
	1200	200	215T	H5P3H	\$1,483	DS-3HD	19.2	150	89.5	15.9	
	1200	208-230/460	215T	H5P3D	\$1,483	DS-3HD	19.2	179	90.2	15-14/7	
	1200	575	215T	H5P3G	\$1,483	DS-3HD	19.2	150	90.2	5.6	
7 1/2	900	208-230/460	254T	H5E4D	\$2,299	DS-3HD	25.3	300	85.5	16.4-15.4/7.7	02,03,NNP
	3600	200	213T	H7P1H	\$1,192	DS-3HD	19.2	150	90.2	20.6	
	3600	208-230/460	213T	H7P1D	\$1,192	DS-3HD	19.2	160	91.0	19.9-17.8/8.9	03
	3600	575	213T	H7P1G	\$1,192	DS-3HD	19.2	160	91.7	7.1	14
	1800	200	213T	H7P2H	\$1,078	DS-3HD	19.2	150	91.7	21.5	
	1800	208-230/460	213T	H7P2D	\$1,078	DS-3HD	19.2	163	91.7	20-18.5/9.3	
	1800	575	213T	H7P2G	\$1,078	DS-3HD	19.2	163	91.7	7.5	
	1200	200	254T	H7P3H	\$1,979	DS-3HD	25.3	300	91.0	21.9	02
	1200	208-230/460	254T	H7P3D	\$1,979	DS-3HD	25.3	300	91.7	20.6-18.8/9.4	02
10	1200	575	254T	H7P3G	\$1,979	DS-3HD	25.3	300	91.0	7.6	02
	900	208-230/460	256T	H7E4D	\$3,067	DS-3HD	25.3	300	86.5	23.8-22.1/11	02,03,NNP
	3600	200	215T	H10P1H	\$1,397	DS-3HD	19.2	180	91.0	27	
	3600	208-230/460	215T	H10P1D	\$1,397	DS-3HD	19.2	180	91.7	26.4-23.5/11.8	
	3600	575	215T	H10P1G	\$1,397	DS-3HD	19.2	180	91.7	9.4	
	1800	200	215T	H10P2H	\$1,302	DS-3HD	19.2	190	91.7	27.5	
	1800	208-230/460	215T	H10P2D	\$1,302	DS-3HD	19.2	190	91.7	26.5-23.9/12	
	1800	575	215T	H10P2G	\$1,302	DS-3HD	19.1	195	91.7	9.6	
	1200	200	256T	H10P3H	\$2,390	DS-3HD	25.3	340	91.0	28.4	02
	1200	208-230/460	256T	H10P3D	\$2,390	DS-3HD	25.3	340	91.7	27.1-24.6/12.3	02
	1200	575	256T	H10P3G	\$2,390	DS-3HD	25.3	340	91.7	9.8	02
	15	900	230/460	284T	H10E4E	\$3,693	DS-3HD	27.0	385	88.5	28.3/14.2
900		575	284T	H10E4G	\$3,693	DS-3HD	27.0	340	88.5	11.4	02,NNP
3600		200	254T	H15P1H	\$1,999	DS-3HD	25.3	300	91.0	40	02
3600		208-230/460	254T	H15P1D	\$1,999	DS-3HD	25.3	300	91.0	39-34/17.2	02,03
3600		575	254T	H15P1G	\$1,999	DS-3HD	25.3	300	91.0	13.8	02
1800		200	254T	H15P2H	\$1,798	DS-3HD	25.3	300	92.4	42	02
1800		208-230/460	254T	H15P2D	\$1,798	DS-3HD	25.3	300	92.4	40-37/18.4	02
1800		575	254T	H15P2G	\$1,798	DS-3HD	25.3	300	92.4	14.6	
1200		200	284T	H15P3H	\$3,331	DS-3HD	27.0	385	91.7	42	02,14
1200		208-230/460	284T	H15P3D	\$3,331	DS-3HD	27.0	385	91.7	41-37/18.4	02,03,14
1200		575	284T	H15P3G	\$3,331	DS-3HD	27.0	284	91.7	14.8	02,14
HAZARDOUS LOCATION		900	200	286T	H15E4H	\$4,938	DS-3HD	27.0	390	88.5	50
	900	230/460	286T	H15E4E	\$4,938	DS-3HD	27.0	390	88.5	44/21.8	02,03,NNP
	900	575	286T	H15E4G	\$4,938	DS-3HD	27.0	390	88.5	17.3	02,NNP

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA® Design A
 Note NNP Non-NEMA® Premium Rating

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General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty® NEMA® Premium Efficient – IE3 (continued)



(continued)

CTE

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
20	3600	200	256T	H20P1H	\$2,475	DS-3HD	25.3	340	91.0	53	02
	3600	208-230/460	256T	H20P1D	\$2,475	DS-3HD	25.3	340	91.0	53-46/23	02,03
	3600	575	256T	H20P1G	\$2,475	DS-3HD	25.3	340	91.0	18.4	02
	1800	200	256T	H20P2H	\$2,216	DS-3HD	25.3	340	93.0	54	02
	1800	208-230/460	256T	H20P2D	\$2,216	DS-3HD	25.3	340	93.0	53-47/23.5	02,03
	1800	575	256T	H20P2G	\$2,216	DS-3HD	25.3	340	93.0	19	02
	1200	200	286T	H20P3H	\$4,035	DS-3HD	27.0	286	91.7	57	02,14
	1200	208-230/460	286T	H20P3D	\$4,035	DS-3HD	27.0	400	91.7	54-49/24.5	02,03,14
	1200	575	286T	H20P3G	\$4,035	DS-3HD	27.0	400	91.7	19.7	02,14
	900	230/460	324T	H20E4E	\$5,844	DS-3HD	30.6	510	89.5	55/27.3	02,03,NNP
900	575	324T	H20E4G	\$5,844	DS-3HD	30.6	510	89.5	21.7	02,NNP	
25	3600	200	284TS	H25P1HS	\$3,036	DS-3HD	25.6	355	91.7	67	02
	3600	208-230/460	284T	H25P1D	\$3,036	DS-3HD	27.0	355	91.7	66-57/28.7	02,03
	3600	208-230/460	284TS	H25P1DS	\$3,036	DS-3HD	25.6	355	91.7	66-57/28.7	02,03
	3600	575	284TS	H25P1GS	\$3,036	DS-3HD	25.6	355	91.7	23	02
	1800	200	284T	H25P2H	\$2,659	DS-3HD	27.0	355	93.6	66	02
	1800	200	284TS	H25P2HS	\$2,659	DS-3HD	25.6	355	93.6	66	02
	1800	208-230/460	284T	H25P2D	\$2,659	DS-3HD	27.0	355	93.6	64-58/28.9	02,03
	1800	208-230/460	284TS	H25P2DS	\$2,659	DS-3HD	25.6	355	93.6	64-58/28.9	02,03
	1800	575	284T	H25P2G	\$2,659	DS-3HD	27.0	355	93.6	23	02
	1800	575	284TS	H25P2GS	\$2,659	DS-3HD	25.6	355	93.6	23	02
	1200	200	324T	H25P3H	\$4,801	DS-3HD	30.6	510	93.0	71	02,14
	1200	230/460	324T	H25P3E	\$4,801	DS-3HD	30.6	510	93.0	62/31	02,03,14
	1200	575	324T	H25P3G	\$4,801	DS-3HD	30.6	510	93.0	24.6	02,14
	900	200	326T	H25E4H	\$6,923	DS-3HD	30.6	590	89.5	78	02,NNP
	900	230/460	326T	H25E4E	\$6,923	DS-3HD	30.6	590	89.5	67/33	02,03,NNP
30	3600	200	286TS	H30P1HS	\$3,560	DS-3HD	25.6	400	91.7	79	02
	3600	208-230/460	286T	H30P1D	\$3,560	DS-3HD	27.0	400	91.7	79-69/34	02,03
	3600	208-230/460	286TS	H30P1DS	\$3,560	DS-3HD	25.6	400	91.7	79-69/34	02,03
	3600	575	286TS	H30P1GS	\$3,560	DS-3HD	25.6	400	91.7	27.6	02
	1800	200	286T	H30P2H	\$3,101	DS-3HD	27.0	415	93.6	80	02
	1800	200	286TS	H30P2HS	\$3,101	DS-3HD	25.6	415	93.6	80	02
	1800	208-230/460	286T	H30P2D	\$3,101	DS-3HD	27.0	415	93.6	77-69/35	03
	1800	208-230/460	286TS	H30P2DS	\$3,101	DS-3HD	25.6	415	93.6	77-69/35	03
	1800	575	286T	H30P2G	\$3,101	DS-3HD	27.0	415	93.6	27.6	02
	1800	575	286TS	H30P2GS	\$3,101	DS-3HD	25.6	415	93.6	27.6	02
	1200	200	326T	H30P3H	\$5,665	DS-3HD	30.6	590	93.0	84	02,14
	1200	230/460	326T	H30P3E	\$5,665	DS-3HD	30.6	590	93.0	74/37	02,03,14
	1200	575	326T	H30P3G	\$5,665	DS-3HD	30.6	590	93.0	29.6	02,14
	900	230/460	364T	H30E4E	\$7,970	DS-3HD	32.6	790	91.7	80/40	02,03,NNP
900	575	364T	H30E4G	\$7,970	DS-3HD	32.6	790	92.4	31	02,NNP	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA® Design A
 Note NNP Non-NEMA® Premium Rating

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GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty® NEMA® Premium Efficient – IE3 (continued)


NEMA
Premium

(continued)

CTE

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
40	3600	200	324TS	H40P1HS	\$4,600	DS-3HD	29.1	460	93.0	104	02,14
	3600	230/460	324TS	H40P1ES	\$4,600	DS-3HD	29.1	460	93.0	90/45	02,03,14
	3600	575	324TS	H40P1GS	\$4,600	DS-3HD	29.1	460	93.0	36	02,14
	1800	200	324T	H40P2H	\$4,049	DS-3HD	30.6	510	94.1	104	02
	1800	200	324TS	H40P2HS	\$4,049	DS-3HD	29.1	510	94.1	104	02
	1800	230/460	324T	H40P2E	\$4,049	DS-3HD	30.6	510	94.1	90/45	02,03
	1800	230/460	324TS	H40P2ES	\$4,049	DS-3HD	29.1	510	94.1	90/45	02,03
	1800	575	324T	H40P2G	\$4,049	DS-3HD	30.6	510	94.1	36	02
	1800	575	324TS	H40P2GS	\$4,049	DS-3HD	29.1	510	94.1	36	02
	1200	200	364T	H40P3H	\$7,630	DS-3HD	32.6	800	94.1	106	02
	1200	230/460	364T	H40P3E	\$7,630	DS-3HD	32.6	800	94.1	93/46	02,03
	1200	575	364T	H40P3G	\$7,630	DS-3HD	32.6	800	94.1	37	02
50	900	230/460	365T	H40E4E	\$9,873	DS-3HD	32.6	840	92.4	105/52	02,03,NNP
	900	575	365T	H40E4G	\$9,873	DS-3HD	32.6	840	92.4	41	02,NNP
	3600	200	326TS	H50P1HS	\$5,919	DS-3HD	29.1	550	93.0	129	02
	3600	230/460	326TS	H50P1ES	\$5,919	DS-3HD	29.1	550	93.0	112/56	02,03
	3600	575	326TS	H50P1GS	\$5,919	DS-3HD	29.1	550	93.0	45	02
	1800	200	326T	H50P2H	\$4,971	DS-3HD	30.6	590	94.5	129	02,14
	1800	200	326TS	H50P2HS	\$4,971	DS-3HD	29.1	590	94.5	129	02,14
	1800	230/460	326T	H50P2E	\$4,971	DS-3HD	30.6	590	94.5	112/56	02,03
	1800	230/460	326TS	H50P2ES	\$4,971	DS-3HD	29.1	590	94.5	112/56	02,03
	1800	575	326T	H50P2G	\$4,971	DS-3HD	30.6	590	94.5	45	02
	1800	575	326TS	H50P2GS	\$4,971	DS-3HD	29.1	590	94.5	45	02
	1200	200	365T	H50P3H	\$8,790	DS-3HD	32.6	890	94.1	133	02
1200	230/460	365T	H50P3E	\$8,790	DS-3HD	32.6	890	94.1	115/58	02,03	
1200	575	365T	H50P3G	\$8,790	DS-3HD	32.6	890	94.1	46	02	
60	3600	200	364TS	H60P1HS	\$7,901	DS-3HD	30.4	825	93.6	154	02,14
	3600	230/460	364TS	H60P1ES	\$7,901	DS-3HD	30.4	825	93.6	134/67	02,03
	3600	575	364TS	H60P1GS	\$7,901	DS-3HD	30.4	825	93.6	53	02,14
	1800	200	364T	H60P2H	\$7,228	DS-3HD	32.6	865	95.0	155	02
	1800	200	364TS	H60P2HS	\$7,228	DS-3HD	30.4	865	95.0	155	02
	1800	230/460	364T	H60P2E	\$7,228	DS-3HD	32.6	865	95.0	136/68	02,03
	1800	230/460	364TS	H60P2ES	\$7,228	DS-3HD	30.4	865	95.0	136/68	02,03
	1800	575	364T	H60P2G	\$7,228	DS-3HD	32.6	865	95.0	55	02
	1800	575	364TS	H60P2GS	\$7,228	DS-3HD	30.4	865	95.0	55	02
	1200	230/460	404T	H60P3E	\$10,356	DS-3HD	37.6	1160	94.5	139/70	
75	3600	200	365TS	H75P1HS	\$9,928	DS-3HD	30.4	875	93.6	194	02,14
	3600	230/460	365TS	H75P1ES	\$9,928	DS-3HD	30.4	875	93.6	167/84	02,03,14
	3600	575	365TS	H75P1GS	\$9,928	DS-3HD	30.4	875	93.6	67	02,14
	1800	200	365T	H75P2H	\$9,193	DS-3HD	32.6	890	95.4	196	02,14
	1800	200	365TS	H75P2HS	\$9,193	DS-3HD	30.4	890	95.4	196	02,14
	1800	230/460	365T	H75P2E	\$9,193	DS-3HD	32.6	890	95.4	169/85	02,03
	1800	230/460	365T	H75P2EB	\$9,730	DS-3HD	32.6	890	95.4	169/85	02,03,09
	1800	230/460	365TS	H75P2ES	\$9,193	DS-3HD	30.4	890	95.4	169/85	02,03
	1800	575	365T	H75P2G	\$9,193	DS-3HD	32.6	890	95.4	68	02
	1800	575	365T	H75P2GB	\$9,730	DS-3HD	32.6	890	95.4	68	02,09

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 09 Roller Bearing
 Note 14 NEMA® Design A
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty® NEMA® Premium Efficient – IE3 (continued)



(continued)

CTE

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
75	1800	575	365TS	H75P2GS	\$9,193	DS-3HD	30.4	890	95.4	68	02
	1200	230/460	405T	H75P3E	\$12,210	DS-3HD	37.6	1175	94.5	174/87	02,03
	900	230/460	444T	H75E4E	\$18,164	DS-3HD	45.8	1400	93.0	193/97	02,03,NNP
100	3600	230/460	405TS	H100P1ES	\$13,296	DS-3HD	34.6	1175	94.5	224/112	02,03
	3600	575	405TS	H100P1GS	\$13,296	DS-3HD	34.6	1175	94.1	90	
	1800	200	405T	H100P2H	\$11,329	DS-3HD	37.6	1200	95.4	260	
	1800	200	405TS	H100P2HS	\$11,329	DS-3HD	34.6	1200	95.4	260	
	1800	230/460	405T	H100P2E	\$11,329	DS-3HD	37.6	1200	95.4	225/113	
	1800	230/460	405T	H100P2EB	\$11,939	DS-3HD	37.6	1200	95.4	225/113	
	1800	230/460	405TS	H100P2ES	\$11,329	DS-3HD	34.6	1200	95.4	225/113	
	1800	575	405T	H100P2G	\$11,329	DS-3HD	37.6	1200	95.4	90	02
	1800	575	405T	H100P2GB	\$11,939	DS-3HD	37.6	1200	95.4	90	02
	1800	575	405TS	H100P2GS	\$11,329	DS-3HD	34.6	1200	95.4	90	
	1200	230/460	444T	H100P3E	\$16,718	DS-3HD	45.8	1600	95.4	248/124	02,03
	1200	230/460	444T	H100P3EB	\$17,868	DS-3HD	45.8	1600	95.4	248/124	02,03,09
	1200	575	444T	H100P3G	\$16,718	DS-3HD	43.4	1618	95.4	99	
	1200	575	444T	H100P3GB	\$17,868	DS-3HD	45.8	1600	95.0	99	02,09
	900	230/460	445T	H100E4E	\$22,950	DS-3HD	45.4	1500	93.6	262/131	02,03,NNP
125	3600	460	444TS	H125P1FS	\$16,545	DS-3HD	42.0	1550	95.0	144	02,12
	3600	575	444TS	H125P1GS	\$16,545	DS-3HD	42.0	1550	95.0	115	02,12
	1800	460	444T	H125P2F	\$14,102	DS-3HD	45.8	1575	95.4	144	02,03
	1800	460	444TS	H125P2FS	\$14,102	DS-3HD	42.0	1575	95.4	144	02
	1800	575	444T	H125P2G	\$14,102	DS-3HD	45.8	1575	95.4	116	02
	1800	575	444TS	H125P2GS	\$14,102	DS-3HD	42.0	1575	95.4	116	02
	1200	460	445T	H125P3F	\$19,123	DS-3HD	45.8	1650	95.4	151	02,03
	1200	460	445T	H125P3FB	\$20,273	DS-3HD	45.8	1650	95.4	151	02,09
	1200	575	445T	H125P3G	\$19,123	DS-3HD	45.8	1650	95.4	123	02
	1200	575	445T	H125P3GB	\$20,273	DS-3HD	45.8	1650	95.4	123	02,09
	900	460	447T	H125E4F	\$25,055	DS-3HD	48.9	1900	94.1	155	02,03,NNP
	150	3600	460	445TS	H150P1FS	\$20,361	DS-3HD	42.0	1625	95.0	176
3600		575	445TS	H150P1GS	\$20,361	DS-3HD	42.0	1625	95.0	141	02,12
1800		460	445T	H150P2F	\$16,738	DS-3HD	45.8	1650	95.8	171	02,03
1800		460	445TS	H150P2FS	\$16,738	DS-3HD	42.0	1650	95.8	171	02
1800		575	445T	H150P2G	\$16,738	DS-3HD	45.8	1650	95.8	137	02
1800		575	445TS	H150P2GS	\$16,738	DS-3HD	42.0	1650	95.8	137	02
1200		460	447T	H150P3F	\$21,964	DS-3HD	49.3	2000	96.2	181	02,03
1200		460	447T	H150P3FB	\$23,314	DS-3HD	49.3	2000	96.2	181	02,09
1200		575	447T	H150P3G	\$21,964	DS-3HD	49.3	2000	95.8	145	02
1200		575	447T	H150P3GB	\$23,314	DS-3HD	49.3	2000	95.8	145	02,09
200	3600	460	447TS	H200P1FS	\$25,731	DS-3HD	45.5	2100	95.4	220	02
	3600	575	447TS	H200P1GS	\$25,731	DS-3HD	45.5	2100	95.4	177	02
	1800	460	447T	H200P2F	\$20,393	DS-3HD	49.3	2150	96.2	224	02,03
	1800	460	447TS	H200P2FS	\$20,393	DS-3HD	45.5	2150	96.2	224	02
	1800	575	447T	H200P2G	\$20,393	DS-3HD	49.3	2150	96.2	181	02
	1800	575	447TS	H200P2GS	\$20,393	DS-3HD	45.5	2150	96.2	181	02

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 09 Roller Bearing
 Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty NEMA^{®†} Premium Efficient – IE3, C-Face



APPLICATIONS:

For pulp & paper plants, saw mills, mines, foundries, chemical plants, waste management facilities, and other process-related industries requiring protection within harsh operating conditions.

FEATURES:

- WORLDMOTOR[®] Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Ball Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- 1.15 Service Factor @ 60 Hz
- Steel Fan Cover & Conduit Box
- Field Convertible To F2 Mounting 180 Frame & Larger
- Condensation Drains With Plastic Plugs
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 320-360)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143TC	H1P2DC	\$592	DS-3HD	12.8	65	85.5	3.1-3/1.5	03
	1200	208-230/460	145TC	H1P3DC	\$770	DS-3HD	12.8	65	82.5	3.6-3.5/1.8	03
1 1/2	3600	208-230/460	143TC	H32P1DC	\$667	DS-3HD	12.8	65	84.0	4.2-3.9/2	03
	1800	208-230/460	145TC	H32P2DC	\$646	DS-3HD	12.8	70	86.5	4.5-4.3/2.1	03
	1200	208-230/460	182TC	H32P3DC	\$845	DS-3HD	16.8	100	87.5	4.8-4.7/2.3	03
2	3600	208-230/460	145TC	H2P1DC	\$775	DS-3HD	12.8	70	86.5	5.4-4.9/2.4	03
	1800	208-230/460	145TC	H2P2DC	\$698	DS-3HD	12.8	70	86.5	5.9-5.7/2.9	03
	1200	208-230/460	184TC	H2P3DC	\$930	DS-3HD	16.8	110	88.5	6.4-6.2/3.1	03
3	3600	208-230/460	182TC	H3P1DC	\$860	DS-3HD	16.8	100	87.5	8.4-7.8/3.9	03
	1800	208-230/460	182TC	H3P2DC	\$772	DS-3HD	16.8	100	89.5	8.4-7.8/3.9	03
	1200	208-230/460	213TC	H3P3DC	\$1,150	DS-3HD	19.1	160	89.5	9.3-8.8/4.4	03
5	3600	208-230/460	184TC	H5P1DC	\$1,056	DS-3HD	16.8	110	88.5	13.4-12.2/6.1	03
	1800	208-230/460	184TC	H5P2DC	\$882	DS-3HD	16.8	110	89.5	13.9-12.9/6.5	03
	1200	208-230/460	215TC	H5P3DC	\$1,597	DS-3HD	20.6	175	90.2	15-14/7	03
7 1/2	3600	208-230/460	213TC	H7P1DC	\$1,306	DS-3HD	19.1	160	91.0	19.9-17.8/8.9	03
	1800	208-230/460	213TC	H7P2DC	\$1,192	DS-3HD	19.1	160	91.7	20-18.5/9.3	03
	1200	208-230/460	254TC	H7P3DC	\$2,147	DS-3HD	23.1	300	91.7	20.6-18.8/9.4	02,03
10	3600	208-230/460	215TC	H10P1DC	\$1,511	DS-3HD	20.6	175	91.7	26.4-23.5/11.8	03
	1800	208-230/460	215TC	H10P2DC	\$1,416	DS-3HD	20.6	175	91.7	26.5-23.9/12	03
	1200	208-230/460	256TC	H10P3DC	\$2,558	DS-3HD	24.9	340	91.7	27.1-24.6/12.3	02,03
15	3600	208-230/460	254TC	H15P1DC	\$2,174	DS-3HD	23.1	300	91.0	39-34/17.2	02,03
	1800	208-230/460	254TC	H15P2DC	\$1,973	DS-3HD	23.1	300	92.4	40-37/18.4	02,03
	1200	208-230/460	284TC	H15P3DC	\$3,563	DS-3HD	27.0	380	91.7	41-37/18.4	02,03
20	3600	208-230/460	256TC	H20P1DC	\$2,650	DS-3HD	24.9	340	91.0	53-46/23	02,03
	1800	208-230/460	256TC	H20P2DC	\$2,391	DS-3HD	24.9	340	93.0	53-47/23.5	02,03
	1200	208-230/460	286TC	H20P3DC	\$4,266	DS-3HD	27.0	410	91.7	54-49/24.5	02,03
25	3600	208-230/460	284TSC	H25P1DSC	\$3,268	DS-3HD	25.6	380	91.7	66-57/28.7	02,03
	1800	208-230/460	284TC	H25P2DC	\$2,890	DS-3HD	27.0	380	93.6	64-58/28.9	02,03
30	3600	208-230/460	286TSC	H30P1DSC	\$3,791	DS-3HD	25.6	410	91.7	79-69/34	02,03
	1800	208-230/460	286TC	H30P2DC	\$3,333	DS-3HD	27.0	410	93.6	77-69/35	02,03
40	1800	230/460	324TC	H40P2EC	\$4,584	DS-3HD	30.6	600	94.1	90/45	02,03
50	1800	230/460	326TC	H50P2EC	\$5,506	DS-3HD	30.6	625	94.5	112/56	02,03
60	1800	230/460	364TC	H60P2EC	\$7,811	DS-3HD	32.6	740	95.0	136/68	02,03
75	1800	230/460	365TC	H75P2EC	\$9,776	DS-3HD	32.6	910	95.4	169/85	02,03
100	1800	230/460	405TC	H100P2EC	\$12,009	DS-3HD	39.9	1180	95.4	225/113	02,03

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) CORRO-DUTY® NEMA® Premium Efficient – IE3



TCE

APPLICATIONS:

For pulp & paper, mill & chemical and any other severe duty environments found in the process industries.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- All Cast Iron Construction (Steel Frame & Fan Cover On 140 Frame)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Precision Balance (< 0.08 In/Sec Vibration)
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- Oversized Conduit Box - 1 Size Larger Than NEMA® Standard
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- Field Convertible To F2 Mounting 180 Frame & Larger
- Condensation Drains With Plastic Plugs
- Conversion Kits: C&D Flanges, Canopy Kits

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	230/460	143T	C1P2B	\$563	DS-3CE	1.15	12.6	57	85.5	3/1.5	
	1800	575	143T	C1P2G	\$563	DS-3CE	1.15	12.6	57	85.5	1.1	
	1200	230/460	145T	C1P3B	\$765	DS-3CE	1.15	13.9	77	82.5	3.5/1.8	
	1200	575	145T	C1P3G	\$765	DS-3CE	1.15	13.9	77	82.5	1.4	
	900	230/460	182T	C1P4B	\$1,678	DS-3CE	1.15	16.1	75	74.0	4.5/2.2	
1 1/2	3600	230/460	143T	C32P1B	\$649	DS-3CE	1.15	12.6	57	84.0	3.9/1.9	
	1800	230/460	145T	C32P2B	\$624	DS-3CE	1.15	13.9	72	86.5	4.3/2.1	
	1800	575	145T	C32P2G	\$624	DS-3CE	1.15	13.9	72	86.5	1.7	
	1200	230/460	182T	C32P3B	\$849	DS-3CE	1.15	16.1	100	87.5	4.7/2.3	
	900	230/460	184T	C32P4B	\$1,844	DS-3CE	1.15	16.1	100	80.0	6.2/3.1	
2	3600	230/460	145T	C2P1B	\$771	DS-3CE	1.15	12.6	72	86.5	4.9/2.4	
	1800	230/460	145T	C2P2B	\$684	DS-3CE	1.15	13.9	70	86.5	5.6/2.8	
	1800	575	145T	C2P2G	\$684	DS-3CE	1.15	13.9	72	86.5	2.2	
	1200	230/460	184T	C2P3B	\$945	DS-3CE	1.15	16.1	125	88.5	6.2/3.1	
	1200	575	184T	C2P3G	\$945	DS-3CE	1.15	16.1	110	88.5	2.5	
	900	230/460	213T	C2P4B	\$2,219	DS-3CE	1.15	20.0	117	82.5	7.4/3.7	
3	3600	230/460	182T	C3P1B	\$867	DS-3CE	1.15	16.1	100	87.5	7.8/3.9	
	1800	230/460	182T	C3P2B	\$766	DS-3CE	1.15	16.1	100	89.5	7.8/3.9	
	1800	575	182T	C3P2G	\$766	DS-3CE	1.15	16.1	100	89.5	3.1	
	1200	230/460	213T	C3P3B	\$1,170	DS-3CE	1.15	20.0	190	89.5	8.8/4.4	
	900	230/460	215T	C3P4B	\$2,414	DS-3CE	1.15	20.0	160	84.0	11.3/5.6	
5	3600	230/460	184T	C5P1B	\$1,087	DS-3CE	1.15	16.2	110	89.5	12.6/6.3	
	1800	230/460	184T	C5P2B	\$890	DS-3CE	1.15	16.1	120	90.2	12.5/6.3	
	1800	575	184T	C5P2G	\$890	DS-3CE	1.00	16.1	120	89.5	5	
	1200	230/460	215T	C5P3B	\$1,675	DS-3CE	1.15	20.0	200	90.2	14/7	
	900	230/460	254T	C5P4B	\$3,858	DS-3CE	1.15	25.0	300	89.5	15.2/7.6	
7 1/2	3600	230/460	213T	C7P1B	\$1,347	DS-3CE	1.15	20.0	160	91.0	17.8/8.9	
	1800	230/460	213T	C7P2B	\$1,218	DS-3CE	1.15	20.0	160	91.7	18.6/9.3	
	1800	575	213T	C7P2G	\$1,218	DS-3CE	1.15	20.0	160	91.7	7.5	
	1200	230/460	254T	C7P3B	\$2,236	DS-3CE	1.15	25.0	300	91.7	20.2/10.1	14
	1200	575	254T	C7P3G	\$2,236	DS-3CE	1.15	25.0	300	91.7	7.9	14
10	3600	230/460	215T	C10P1B	\$1,578	DS-3CE	1.15	20.0	185	91.0	23.5/11.8	
	1800	230/460	215T	C10P2B	\$1,471	DS-3CE	1.15	20.0	200	91.7	23.9/12	
	1800	575	215T	C10P2G	\$1,471	DS-3CE	1.15	20.0	200	91.7	9.6	
	1200	230/460	256T	C10P3B	\$2,700	DS-3CE	1.15	25.0	340	91.7	25/12.5	14

Note 14 NEMA® Design A

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 84 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) CORRO-DUTY® NEMA® Premium Efficient – IE3




TCE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
15	3600	230/460	254T	C15P1B	\$2,199	DS-3CE	1.15	25.0	300	91.0	35/17.7	14
	1800	230/460	254T	C15P2B	\$1,978	DS-3CE	1.15	25.0	300	92.4	37/18.4	
	1800	575	254T	C15P2G	\$1,978	DS-3CE	1.15	25.0	300	92.4	14.6	
	1200	230/460	284T	C15P3B	\$3,664	DS-3CE	1.15	27.4	400	91.7	38/19	14
20	3600	230/460	256T	C20P1B	\$2,723	DS-3CE	1.15	25.0	432	92.4	46/23	14
	1800	230/460	256T	C20P2B	\$2,438	DS-3CE	1.15	25.0	372	93.0	48/24	
	1800	575	256T	C20P2G	\$2,438	DS-3CE	1.15	25.0	372	93.0	19	
	1200	230/460	286T	C20P3B	\$4,439	DS-3CE	1.15	27.4	420	92.4	50/25.1	14
25	3600	460	284TS	C25P1CS	\$3,248	DS-3CE	1.15	26.0	320	92.4	29.8	14
	1800	460	284T	C25P2C	\$2,845	DS-3CE	1.15	27.4	400	93.6	29.6	
	1800	575	284T	C25P2G	\$2,845	DS-3CE	1.15	27.4	400	93.6	23.5	
	1200	460	324T	C25P3C	\$5,137	DS-3CE	1.15	30.8	515	93.0	31	
	1200	575	324T	C25P3G	\$5,137	DS-3CE	1.15	30.8	515	93.0	24.6	
30	3600	460	286TS	C30P1CS	\$3,809	DS-3CE	1.15	26.3	425	91.7	34	
	1800	460	286T	C30P2C	\$3,318	DS-3CE	1.15	27.4	455	93.6	35	
	1800	575	286T	C30P2G	\$3,318	DS-3CE	1.15	27.4	455	93.6	27.6	
	1200	460	326T	C30P3C	\$6,061	DS-3CE	1.15	30.8	595	93.0	37	
	1200	575	326T	C30P3G	\$6,061	DS-3CE	1.15	30.8	595	93.0	29.6	
40	3600	460	324TS	C40P1CS	\$4,922	DS-3CE	1.15	29.3	465	93.0	46	
	1800	460	324T	C40P2C	\$4,332	DS-3CE	1.15	30.8	515	94.1	46	
	1800	575	324T	C40P2G	\$4,332	DS-3CE	1.15	30.8	515	94.1	37	
	1200	460	364T	C40P3C	\$8,163	DS-3CE	1.15	33.0	860	94.1	46	
	1200	575	364T	C40P3G	\$8,163	DS-3CE	1.15	33.0	860	94.1	37	
50	3600	460	326TS	C50P1CS	\$6,333	DS-3CE	1.15	29.3	555	93.0	56	
	1800	460	326T	C50P2C	\$5,319	DS-3CE	1.15	30.8	595	94.5	56	
	1800	575	326T	C50P2G	\$5,319	DS-3CE	1.15	30.8	595	94.5	45	
	1200	460	365T	C50P3C	\$9,405	DS-3CE	1.15	33.0	875	94.1	58	
	1200	575	365T	C50P3G	\$9,405	DS-3CE	1.15	33.0	875	94.1	46	
60	3600	460	364TS	C60P1CS	\$8,454	DS-3CE	1.15	30.9	855	93.6	68	14
	1800	460	364T	C60P2C	\$7,734	DS-3CE	1.15	33.0	855	95.0	69	14
	1800	460	364TS	C60P2CS	\$7,734	DS-3CE	1.15	30.9	855	95.0	69	14
	1800	575	364T	C60P2G	\$7,734	DS-3CE	1.15	33.0	855	95.0	55	14
	1200	460	404T	C60P3C	\$11,081	DS-3CE	1.15	38.0	1160	94.5	70	
75	3600	460	365TS	C75P1CS	\$10,623	DS-3CE	1.15	30.9	946	93.6	84	14
	3600	575	365TS	C75P1GS	\$10,623	DS-3CE	1.15	30.9	915	93.6	67	
	1800	460	365T	C75P2C	\$9,837	DS-3CE	1.15	33.0	925	95.4	84	
	1800	460	365TS	C75P2CS	\$9,837	DS-3CE	1.15	30.9	925	95.4	84	
	1800	575	365T	C75P2G	\$9,837	DS-3CE	1.15	33.0	925	95.4	68	
	1200	460	405T	C75P3C	\$13,065	DS-3CE	1.15	38.0	1300	94.5	87	
100	3600	460	405TS	C100P1CS	\$14,227	DS-3CE	1.15	35.0	1250	94.5	112	
	1800	460	405T	C100P2C	\$12,122	DS-3CE	1.15	38.0	1250	95.4	113	
	1800	460	405TS	C100P2CS	\$12,122	DS-3CE	1.15	35.0	1250	95.4	113	
	1200	460	444T	C100P3C	\$17,888	DS-3CE	1.15	45.8	1660	95.0	124	
	1200	460	444T	C100P3CB	\$19,038	DS-3CE	1.15	45.8	1660	95.0	124	09
	1200	575	444T	C100P3G	\$17,888	DS-3CE	1.15	45.8	1660	95.4	99	

Note 09 Roller Bearing

Note 14 NEMA® Design A

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) CORRO-DUTY® NEMA^{®†} Premium Efficient – IE3



TCE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
125	3600	460	444TS	C125P1CS	\$17,372	DS-3CE	1.15	42.0	1625	95.0	145	12
	1800	460	444T	C125P2C	\$14,807	DS-3CE	1.15	45.8	1900	95.4	147	
	1800	460	444T	C125P2CB	\$15,957	DS-3CE	1.15	45.8	1690	95.4	147	09
	1800	460	444TS	C125P2CS	\$14,807	DS-3CE	1.15	42.0	1690	95.4	147	
	1200	460	445T	C125P3C	\$20,079	DS-3CE	1.15	45.8	1600	95.4	151	
150	3600	460	445TS	C150P1CS	\$21,379	DS-3CE	1.15	42.1	1775	95.0	176	12
	1800	460	445T	C150P2C	\$17,575	DS-3CE	1.15	45.9	1750	95.8	172	
	1800	460	445T	C150P2CB	\$18,725	DS-3CE	1.15	45.8	1800	95.8	172	09
	1800	460	445TS	C150P2CS	\$17,575	DS-3CE	1.15	42.1	1820	95.8	172	
	1800	575	445T	C150P2G	\$17,575	DS-3CE	1.15	45.9	1800	95.8	137	
	1200	460	447T	C150P3C	\$23,062	DS-3CE	1.15	49.3	2100	95.8	180	
	1200	460	447T	C150P3CB	\$24,412	DS-3CE	1.15	49.3	2100	95.8	180	09
200	3600	460	447TS	C200P1CS	\$27,018	DS-3CE	1.15	45.6	2185	95.4	220	12
	1800	460	447T	C200P2C	\$21,413	DS-3CE	1.15	49.3	2200	96.2	224.0	
	1800	460	447TS	C200P2CS	\$21,413	DS-3CE	1.15	45.6	2200	96.2	224.0	
	1800	575	447T	C200P2G	\$21,413	DS-3CE	1.15	49.3	2200	96.2	180	
	1200	460	449T	C200P3C	\$28,908	DS-3CE	1.15	55.1	2400	95.8	224	12
250	3600	460	449TS	C250P1CS	\$30,906	DS-3CE	1.15	51.4	2700	95.8	267	12
	1800	460	449T	C250P2C	\$26,875	DS-3CE	1.15	55.1	2700	96.2	273	
	1200	460	449T	C250P3C	\$36,281	DS-3CE	1.15	55.1	2800	95.8	280	12
300	3600	460	449TS	C300P1CS	\$33,822	DS-3CE	1.15	51.4	2750	95.8	322	12
	1800	460	449T	C300P2C	\$29,410	DS-3CE	1.15	55.1	2850	96.2	326	
	1200	460	449T	C300P3C	\$39,704	DS-3CE	1.15	55.1	2800	95.8	334	12
350	3600	460	449TS	C350P1CS	\$40,405	DS-3CE	1.15	51.4	2800	95.8	374	12
	1800	460	449T	C350P2C	\$35,135	DS-3CE	1.15	55.1	2950	96.2	381	
400	3600	460	449TS	C400P1CS	\$50,419	DS-3CE	1.15	51.4	2900	95.8	426	12
	1800	460	449T	C400P2C	\$43,843	DS-3CE	1.15	55.1	3025	96.2	434	12

Note 09 Roller Bearing

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) CORRO-DUTY® NEMA®† Premium Efficient – IE3, C-Face

APPLICATIONS:

For pulp & paper, mill & chemical and any other severe duty environments found in the process industries.



TCE

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- All Cast Iron Construction (Steel Frame & Fan Cover On 140 Frame)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Precision Balance (< 0.08 In/Sec Vibration)
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-210
- Oversized Conduit Box - 1 Size Larger Than NEMA®† Standard
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- Field Convertible To F2 Mounting 180 Frame & Larger
- Condensation Drains With Threaded Brass Breather Plugs

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	3600	230/460	143TC	C32P1BC	\$742	DS-3CE	1.15	13.5	57	84.0	3.9/1.9	
	1800	230/460	145TC	C32P2BC	\$717	DS-3CE	1.15	13.5	72	86.5	4.3/2.1	
2	3600	230/460	145TC	C2P1BC	\$864	DS-3CE	1.15	13.5	72	86.5	4.9/2.4	
	1800	230/460	145TC	C2P2BC	\$777	DS-3CE	1.15	13.5	70	86.5	5.6/2.8	
3	3600	230/460	182TC	C3P1BC	\$960	DS-3CE	1.15	16.4	100	88.5	7.8/3.9	
	1800	230/460	182TC	C3P2BC	\$859	DS-3CE	1.15	17.4	100	89.5	7.8/3.9	
5	3600	230/460	184TC	C5P1BC	\$1,180	DS-3CE	1.15	17.4	110	88.5	12.2/6.1	
	1800	230/460	184TC	C5P2BC	\$983	DS-3CE	1.15	17.4	120	89.5	12.5/6.3	
7 1/2	3600	230/460	213TC	C7P1BC	\$1,460	DS-3CE	1.15	20.8	160	91.0	17.8/8.9	
	1800	230/460	213TC	C7P2BC	\$1,331	DS-3CE	1.15	20.8	160	91.7	18.6/9.3	
10	3600	230/460	215TC	C10P1BC	\$1,691	DS-3CE	1.15	20.8	185	91.0	23.5/11.8	
	1800	230/460	215TC	C10P2BC	\$1,584	DS-3CE	1.15	20.8	200	91.7	23.9/12	

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TITAN® General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) CORRO-DUTY® NEMA®† Premium Efficient – IE3



TCE

APPLICATIONS:

For pulp & paper, mill & chemical and any other severe duty environments found in the process industries.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Cast Iron Frame & End Shields
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Insulife 5000 Insulation Treatment (2 Cycles Epoxy VPI)
- Thermostats - One Per Phase
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Ball Bearings
- Long Barrel, 2 Hole Compression Lugs
- Oversized Fabricated Steel Main Conduit Box
- Single Phase 115V Space Heaters w/Accessory Conduit Box
- Rotor Assembly Painted With Polyester Paint To Resist Corrosion
- Stainless Steel Breather/Drains
- Form Wound All Copper Windings

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
150	1800	2300/4000	449T	C150P2W	\$52,623	DS-6S	1.15	55.1	2572	93.0	35/19.8	
	1200	2300/4000	449T	C150P3W	\$54,553	DS-6S	1.15	55.1	2622	93.0	38/22	
200	3600	2300/4000	449TS	C200P1WS	\$58,847	DS-6S	1.15	51.4	2650	93.0	45/26	50
	1800	2300/4000	449T	C200P2W	\$54,693	DS-6S	1.15	55.1	2722	93.6	45/26	
250	3600	2300/4000	449TS	C250P1WS	\$73,539	DS-6S	1.15	51.4	2722	93.6	56/32	50
	1800	2300/4000	449T	C250P2W	\$67,328	DS-6S	1.15	55.1	2822	93.6	58/33	
	1200	2300/4000	5008ML	C250P3WF	\$80,710	DS-6S	1.15	64.8	4000	95.0	60/34	
300	1800	2300/4000	5008ML	C300P2WF	\$75,850	DS-6S	1.15	64.8	4000	95.0	70/40	
	1200	2300/4000	5010ML	C300P3WF	\$89,233	DS-6S	1.15	71.8	4800	95.0	71/41	
350	1800	2300/4000	5010ML	C350P2WF	\$82,535	DS-6S	1.15	71.8	4800	95.0	81/46	
	1200	2300/4000	5010ML	C350P3WF	\$98,761	DS-6S	1.15	71.8	4800	95.0	83/48	
400	3600	2300/4000	5809SS	C400P1WS	\$103,535	DS-6S	1.15	64.5	5450	94.1	89/51	50
	1800	2300/4000	5010ML	C400P2WF	\$89,651	DS-6S	1.15	71.8	4800	95.0	92/53	
	1200	2300/4000	5010ML	C400P3WF	\$110,544	DS-6S	1.15	71.8	4800	95.4	94/54	
450	1800	2300/4000	5010ML	C450P2WF	\$97,687	DS-6S	1.15	71.8	4800	95.4	103/59	
500	1800	2300/4000	5012ML	C500P2WF	\$103,436	DS-6S	1.15	79.8	6000	95.8	113/65	

Note 50 Counterclockwise (CCW) rotation; Refer to "Kits" Section for Clockwise (CW) Fan Kits

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS® NEMA® Premium Efficient – IE3

NEMA
Premium


APPLICATIONS:

For constant speed and inverter duty applications in petro-chemical, pulp & paper, automotive, mining and waste treatment industries.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Insulation, Class B Rise At Full Load (Sine Wave Power)
- All Cast Iron Construction (Steel Mounting Base On 140 Frame)
- Corrosion Resistant Mill & Chem Duty Paint (250 Hour Salt Spray Test)
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- 40°C Ambient, NEMA®† Design B Performance (Sine Wave Power)
- VBXX®† Bearing Isolators By Inpro/Seal On Both Ends For IP55 Protection
- Internal Bearing Caps 180 Frame & Up
- Same Size Regreasable Open Bearings, Brass Breathers/Drains
- CARB® Bearing on 400 Frame & Up
- 5 Year Warranty (2 Years on Inverter Power)
- External Grounding Provision, Epoxy Coated Rotor
- 10:1 Variable Torque; 5:1 Constant Torque On Inverter Power
- Precision Balance (< 0.05 In/Sec Vibration)
- 1.15 SF On Sine Wave / 1.0 SF On Inverter Power
- Conversion Kits: C&D Flange, Drip Cover Kit, Shaft Grounding Ring (Non-hazardous Locations only)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	460	143T	8P1P2C	\$788	DS-841	1.15	13.1	65	85.5	1.5	
	1800	575	143T	8P1P2G	\$788	DS-841	1.15	13.1	68	86.5	1.1	
	1200	460	145T	8P1P3C	\$1,071	DS-841	1.15	13.1	108	81.5	1.8	
	1200	575	145T	8P1P3G	\$1,071	DS-841	1.15	13.1	73	82.5	1.5	
1 1/2	3600	460	143T	8P32P1C	\$878	DS-841	1.15	13.1	68	84.0	1.9	10
	3600	575	143T	8P32P1G	\$878	DS-841	1.15	13.1	68	84.0	1.6	10
	1800	460	145T	8P32P2C	\$844	DS-841	1.25	13.5	70	86.5	2.1	
	1800	575	145T	8P32P2G	\$844	DS-841	1.15	13.1	73	86.5	1.7	
	1200	460	182T	8P32P3C	\$1,148	DS-841	1.15	16.1	96	87.5	2.3	
2	3600	460	145T	8P2P1C	\$1,026	DS-841	1.15	13.5	73	86.5	2.4	
	3600	575	145T	8P2P1G	\$1,026	DS-841	1.15	13.1	73	86.5	2	
	1800	460	145T	8P2P2C	\$910	DS-841	1.15	13.1	70	86.5	2.8	
	1800	575	145T	8P2P2G	\$910	DS-841	1.15	13.1	133	86.5	2.3	
	1200	460	184T	8P2P3C	\$1,257	DS-841	1.15	16.2	109	88.5	3.1	
	1200	575	184T	8P2P3G	\$1,257	DS-841	1.15	16.1	109	88.5	2.5	
3	3600	460	182T	8P3P1C	\$1,099	DS-841	1.15	16.1	96	87.5	3.9	
	3600	575	182T	8P3P1G	\$1,099	DS-841	1.15	16.1	96	88.5	3.1	
	1800	460	182T	8P3P2C	\$971	DS-841	1.15	16.1	96	89.5	3.9	
	1800	575	182T	8P3P2G	\$971	DS-841	1.15	16.1	96	89.5	3.2	
	1200	460	213T	8P3P3C	\$1,483	DS-841	1.15	20.0	171	89.5	4.4	
	1200	575	213T	8P3P3G	\$1,483	DS-841	1.15	20.0	160	89.5	3.5	
5	3600	460	184T	8P5P1C	\$1,367	DS-841	1.15	16.2	100	88.5	6.1	
	3600	575	184T	8P5P1G	\$1,367	DS-841	1.15	16.1	110	88.5	4.9	
	1800	460	184T	8P5P2C	\$1,119	DS-841	1.15	16.1	110	90.2	6.3	
	1800	575	184T	8P5P2G	\$1,119	DS-841	1.15	16.1	110	89.5	5	
	1200	460	215T	8P5P3C	\$2,106	DS-841	1.15	20.0	160	90.2	7	
	1200	575	215T	8P5P3G	\$2,106	DS-841	1.15	20.0	160	90.2	5.6	
7 1/2	3600	460	213T	8P7P1C	\$1,589	DS-841	1.15	20.0	200	89.5	9.3	
	3600	575	213T	8P7P1G	\$1,589	DS-841	1.15	20.0	160	89.5	7.4	
	1800	460	213T	8P7P2C	\$1,437	DS-841	1.15	20.0	160	91.7	9.3	
	1800	575	213T	8P7P2G	\$1,437	DS-841	1.15	20.0	160	91.7	7.5	
	1200	460	254T	8P7P3C	\$2,638	DS-841	1.15	25.0	300	91.0	9.9	
	1200	575	254T	8P7P3G	\$2,638	DS-841	1.15	25.0	300	91.0	7.8	

Note 10 6205/6203 Bearing System

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS® NEMA® Premium Efficient – IE3

NEMA
Premium



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
10	3600	460	215T	8P10P1C	\$1,849	DS-841	1.15	20.0	185	91.0	11.8	
	3600	575	215T	8P10P1G	\$1,849	DS-841	1.15	20.0	185	91.7	9.4	
	1800	460	215T	8P10P2C	\$1,724	DS-841	1.15	20.0	205	91.7	12	
	1800	575	215T	8P10P2G	\$1,724	DS-841	1.15	20.0	200	91.7	9.6	
	1200	460	256T	8P10P3C	\$3,164	DS-841	1.15	25.0	340	91.0	12.5	
	1200	575	256T	8P10P3G	\$3,164	DS-841	1.15	25.0	340	91.0	10.1	
15	3600	460	254T	8P15P1C	\$2,565	DS-841	1.15	25.0	300	91.0	17.6	
	3600	575	254T	8P15P1G	\$2,565	DS-841	1.15	25.0	300	91.0	14.3	
	1800	460	254T	8P15P2C	\$2,307	DS-841	1.15	25.0	300	92.4	18.3	
	1800	575	254T	8P15P2G	\$2,307	DS-841	1.15	25.0	300	92.4	14.6	
	1200	460	284T	8P15P3C	\$4,273	DS-841	1.15	27.4	400	91.7	18.6	
	1200	575	284T	8P15P3G	\$4,273	DS-841	1.15	27.4	400	91.7	15	
20	3600	460	256T	8P20P1C	\$3,286	DS-841	1.15	25.0	340	91.0	23.1	
	3600	575	256T	8P20P1G	\$3,286	DS-841	1.15	25.0	340	91.0	18.5	
	1800	460	256T	8P20P2C	\$2,942	DS-841	1.15	25.0	340	93.0	23.8	
	1800	575	256T	8P20P2G	\$2,942	DS-841	1.15	25.0	340	93.0	19	
	1200	460	286T	8P20P3C	\$5,357	DS-841	1.15	27.4	420	91.7	24.5	
	1200	575	286T	8P20P3G	\$5,357	DS-841	1.15	27.4	420	91.7	19.6	
25	3600	460	284TS	8P25P1CS	\$3,707	DS-841	1.15	26.0	350	91.7	29.5	
	3600	575	284TS	8P25P1GS	\$3,707	DS-841	1.15	26.0	350	91.7	23.6	
	1800	460	284T	8P25P2C	\$3,247	DS-841	1.15	27.4	385	93.6	29.5	
	1800	575	284T	8P25P2G	\$3,247	DS-841	1.15	27.4	390	93.6	23.6	
	1200	460	324T	8P25P3C	\$5,863	DS-841	1.15	30.8	631	93.0	29.4	
	1200	575	324T	8P25P3G	\$5,863	DS-841	1.15	30.8	546	93.0	23.5	
30	3600	460	286TS	8P30P1CS	\$4,243	DS-841	1.15	26.0	400	91.7	34	
	3600	575	286TS	8P30P1GS	\$4,243	DS-841	1.15	26.0	400	91.7	27.6	
	1800	460	286T	8P30P2C	\$3,696	DS-841	1.15	27.4	440	93.6	35	
	1800	575	286T	8P30P2G	\$3,696	DS-841	1.15	27.4	440	93.6	27.6	
	1200	460	326T	8P30P3C	\$6,751	DS-841	1.15	30.8	595	93.6	35	
	1200	575	326T	8P30P3G	\$6,751	DS-841	1.15	30.8	626	93.6	28.1	
40	3600	460	324TS	8P40P1CS	\$5,599	DS-841	1.15	29.3	465	92.4	46	
	3600	575	324TS	8P40P1GS	\$5,599	DS-841	1.15	29.3	496	92.4	36	
	1800	460	324T	8P40P2C	\$4,928	DS-841	1.15	30.8	515	94.1	46	
	1800	575	324T	8P40P2G	\$4,928	DS-841	1.15	30.8	546	94.1	37	
	1200	460	364T	8P40P3C	\$9,286	DS-841	1.15	33.0	785	94.1	46	
	1200	575	364T	8P40P3G	\$9,286	DS-841	1.15	33.0	785	94.1	37	
50	3600	460	326TS	8P50P1CS	\$7,203	DS-841	1.15	29.3	655	93.0	56	
	3600	575	326TS	8P50P1GS	\$7,203	DS-841	1.15	29.3	555	93.0	45	
	1800	460	326T	8P50P2C	\$6,050	DS-841	1.15	30.8	860	94.5	56	
	1800	575	326T	8P50P2G	\$6,050	DS-841	1.15	30.8	626	94.5	45	
	1200	460	365T	8P50P3C	\$10,698	DS-841	1.15	33.0	895	94.1	58	
	1200	575	365T	8P50P3G	\$10,698	DS-841	1.15	33.0	895	94.1	46	

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS®
GENERAL PURPOSE OPEN DRAINPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS® NEMA® Premium Efficient – IE3

NEMA
Premium


CE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
60	3600	460	364TS	8P60P1CS	\$9,416	DS-841	1.15	30.9	785	93.6	68	
	3600	575	364TS	8P60P1GS	\$9,416	DS-841	1.15	30.9	785	93.6	54	
	1800	460	364T	8P60P2C	\$8,614	DS-841	1.15	33.0	785	95.0	69	
	1800	460	364TS	8P60P2CS	\$8,614	DS-841	1.15	30.9	785	95.0	69	
	1800	575	364T	8P60P2G	\$8,614	DS-841	1.15	33.0	785	95.0	55	
	1200	460	404T	8P60P3C	\$12,342	DS-841	1.15	38.0	1160	94.5	70	
	1200	575	404T	8P60P3G	\$12,342	DS-841	1.15	36.5	1360	94.5	56	
75	3600	460	365TS	8P75P1CS	\$11,597	DS-841	1.15	30.9	895	93.6	83	
	3600	575	365TS	8P75P1GS	\$11,597	DS-841	1.15	30.9	895	93.6	67	
	1800	460	365T	8P75P2C	\$10,739	DS-841	1.15	33.0	895	95.4	84	
	1800	460	365T	8P75P2CB	\$11,289	DS-841	1.15	33.0	895	95.4	84	09
	1800	460	365TS	8P75P2CS	\$10,739	DS-841	1.15	30.9	895	95.4	84	
	1800	575	365T	8P75P2G	\$10,739	DS-841	1.00	33.0	895	95.4	68	
	1800	575	365T	8P75P2GB	\$11,289	DS-841	1.15	33.0	895	95.4	68	09
	1200	460	405T	8P75P3C	\$14,263	DS-841	1.15	38.0	1300	94.5	87	
	1200	460	405T	8P75P3CB	\$14,863	DS-841	1.15	38.0	1300	94.5	87	09
	1200	575	405T	8P75P3GB	\$14,863	DS-841	1.15	38.0	1300	94.5	69	09
100	3600	460	405TS	8P100P1CS	\$15,763	DS-841	1.15	35.0	1305	94.5	112	
	1800	460	405T	8P100P2C	\$13,431	DS-841	1.15	38.0	1300	95.4	113	
	1800	460	405T	8P100P2CB	\$14,031	DS-841	1.15	38.0	1300	95.4	113	09
	1800	460	405TS	8P100P2CS	\$13,431	DS-841	1.15	35.0	1100	95.4	113	
	1800	575	405T	8P100P2G	\$13,431	DS-841	1.15	38.0	1400	95.4	90	
	1800	575	405T	8P100P2GB	\$14,031	DS-841	1.15	38.0	1300	95.4	90	09
	1800	575	405TS	8P100P2GS	\$13,431	DS-841	1.15	35.0	1300	95.4	90	
	1200	460	444T	8P100P3C	\$19,820	DS-841	1.15	45.8	1660	95.4	124	11
	1200	460	444T	8P100P3CB	\$20,970	DS-841	1.15	45.8	1660	95.0	124	09
	125	3600	460	444TS	8P125P1CS	\$19,697	DS-841	1.15	42.0	1590	95.0	145
3600		575	444TS	8P125P1GS	\$19,697	DS-841	1.15	42.0	1590	95.0	116	12
1800		460	444T	8P125P2C	\$16,789	DS-841	1.15	45.8	1675	95.4	146	11
1800		460	444T	8P125P2CB	\$17,939	DS-841	1.15	45.8	1675	95.4	146	09
1800		460	444TS	8P125P2CS	\$16,789	DS-841	1.15	42.0	1675	95.4	146	
1800		575	444T	8P125P2G	\$16,789	DS-841	1.15	45.8	1675	95.4	116	11
1800		575	444T	8P125P2GB	\$17,939	DS-841	1.15	45.8	1675	95.4	116	09
1800		575	444TS	8P125P2GS	\$16,789	DS-841	1.15	42.0	1675	95.4	116	
1200		460	445T	8P125P3C	\$22,767	DS-841	1.15	45.9	1770	95.8	151	
1200		460	445T	8P125P3CB	\$23,917	DS-841	1.15	45.9	1770	95.4	151	09
1200		575	445T	8P125P3GB	\$23,917	DS-841	1.15	45.8	1770	95.4	123	09
150		3600	460	445TS	8P150P1CS	\$24,508	DS-841	1.15	42.1	1670	95.0	167
	3600	575	445TS	8P150P1GS	\$24,508	DS-841	1.15	42.1	1670	95.0	134	12
	1800	460	445T	8P150P2C	\$20,147	DS-841	1.15	45.9	1780	95.8	171	11
	1800	460	445T	8P150P2CB	\$21,297	DS-841	1.15	45.8	1780	95.8	171	09
	1800	460	445TS	8P150P2CS	\$20,147	DS-841	1.15	42.1	1800	95.8	171	
	1800	575	445T	8P150P2G	\$20,147	DS-841	1.15	45.9	1800	95.8	137	11
	1800	575	445T	8P150P2GB	\$21,297	DS-841	1.15	45.8	1800	95.8	137	09
	1200	460	447T	8P150P3C	\$26,437	DS-841	1.15	49.4	2100	95.8	181	
	1200	460	447T	8P150P3CB	\$27,787	DS-841	1.15	49.3	2100	95.8	181	09
	1200	575	447T	8P150P3G	\$26,437	DS-841	1.15	49.4	2100	96.2	145	11
	1200	575	447T	8P150P3GB	\$27,787	DS-841	1.15	49.3	2123	95.8	145	09

Note 09 Roller Bearing
 Note 11 6318/6313 Bearing System

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

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General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS® NEMA® Premium Efficient – IE3

NEMA
Premium



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
200	3600	460	447TS	8P200P1CS	\$29,692	DS-841	1.15	45.6	1973	95.4	220	12
	3600	575	447TS	8P200P1GS	\$29,692	DS-841	1.15	45.6	1950	95.4	175	12
	1800	460	447T	8P200P2C	\$23,532	DS-841	1.15	49.4	2143	96.2	224	
	1800	460	447T	8P200P2CB	\$24,882	DS-841	1.15	49.3	2143	96.2	224	09
	1800	460	447TS	8P200P2CS	\$23,532	DS-841	1.15	45.6	2143	96.2	224	
	1800	575	447T	8P200P2G	\$23,532	DS-841	1.15	49.4	2143	96.2	180	11
	1800	575	447T	8P200P2GB	\$24,882	DS-841	1.15	49.3	2100	96.2	180	09
250	1800	460	449T	8P250P2C	\$30,248	DS-841	1.15	55.1	2722	95.8	275	
	1800	460	449T	8P250P2CB	\$31,798	DS-841	1.15	55.1	2400	95.8	275	09
	1800	575	449TS	8P250P2GB	\$31,798	DS-841	1.15	51.4	2400	95.8	219	09
300	1800	460	449T	8P300P2C	\$41,403	DS-841	1.15	55.1	2872	95.8	327	
	1800	460	449T	8P300P2CB	\$42,953	DS-841	1.15	55.1	2400	95.8	327	09
	1800	575	449T	8P300P2GB	\$42,953	DS-841	1.15	55.1	2400	95.8	262	09
350	1800	460	449T	8P350P2C	\$49,229	DS-841	1.15	55.1	2972	96.2	381	
	1800	460	449T	8P350P2CB	\$50,779	DS-841	1.15	55.1	2400	96.2	381	09
	1800	575	449T	8P350P2GB	\$50,779	DS-841	1.15	55.1	2400	95.8	305	09
400	1800	460	449T	8P400P2C	\$54,834	DS-841	1.15	55.1	3047	95.8	440	
	1800	460	449T	8P400P2CB	\$56,384	DS-841	1.15	55.1	2400	95.8	440	09
	1800	575	449T	8P400P2G	\$54,834	DS-841	1.15	55.1	3047	95.8	349	
	1800	575	449T	8P400P2GB	\$56,384	DS-841	1.15	55.1	2400	95.8	349	09

Note 09 Roller Bearing
Note 11 6318/6313 Bearing System

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

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GENERAL PURPOSE UNIMOUNT
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COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS[®] NEMA^{®†} Premium Efficient – IE3



CEF

APPLICATIONS:

For constant speed and inverter duty applications in petro-chemical, pulp & paper, automotive, mining and waste treatment industries.

FEATURES:

- INVERTER GRADE[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- Class F Insulation, Class B Rise At Full Load (Sine Wave Power)
- All Cast Iron Construction
- Corrosion Resistant Mill & Chem Duty Paint (250 Hour Salt Spray Test)
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- 40°C Ambient, NEMA^{®†} Design B Performance (Sine Wave Power)
- VBXX^{®†} Bearing Isolators By Inpro/Seal For IP55 Protection
- 5 Year Warranty (2 Years on Inverter Power)
- Same Size Regreasable Open Bearings & Internal Bearing Caps (180 Frame & Up)
- External Grounding Provision, Epoxy Coated Rotor
- 10:1 Variable Torque; 5:1 Constant Torque On Inverter Power
- Precision Balance (< 0.05 In/Sec Vibration)
- 1.15 SF On Sine Wave / 1.0 SF On Inverter Power

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	460	143TC	8P1P2CCR	\$881	DS-841	1.15	13.5	65	85.5	1.5	
	1800	460	143TC	8P1P2CCR2	\$881	DS-841	1.15	13.5	65	85.5	1.5	
	1200	460	145TC	8P1P3CCR	\$1,164	DS-841	1.15	13.5	73	82.5	1.8	
1 1/2	3600	460	143TC	8P32P1CCR	\$971	DS-841	1.15	13.5	68	84.0	1.9	
	1800	460	145TC	8P32P2CCR	\$937	DS-841	1.15	13.5	73	85.5	2.1	
2	3600	460	145TC	8P2P1CCR	\$1,119	DS-841	1.15	13.5	73	85.5	2.5	
	1800	460	145TC	8P2P2CCR	\$1,003	DS-841	1.15	13.5	70	85.5	2.9	
	1800	460	145TC	8P2P2CCR2	\$1,003	DS-841	1.15	13.5	70	85.5	2.9	
	1200	460	184TCH	8P2P3CKR	\$1,350	DS-841	1.15	17.4	115	87.5	3.1	
3	3600	460	182TCH	8P3P1CKR	\$1,192	DS-841	1.15	17.4	100	88.5	3.9	
	1800	460	182TC	8P3P2CCR	\$1,064	DS-841	1.15	17.4	110	89.5	3.9	
	1800	460	182TCH	8P3P2CKR	\$1,064	DS-841	1.15	17.4	110	89.5	4	
	1200	460	213TC	8P3P3CCR	\$1,576	DS-841	1.15	20.8	164	89.5	4.4	
5	1800	460	184TC	8P5P2CCR	\$1,212	DS-841	1.00	17.4	110	89.5	6.3	
	1800	460	184TCH	8P5P2CKR	\$1,212	DS-841	1.15	17.4	110	90.2	6.3	
	1200	460	215TC	8P5P3CCR	\$2,199	DS-841	1.15	20.8	220	90.2	7	
7 1/2	3600	460	213TC	8P7P1CCR	\$1,702	DS-841	1.15	20.8	160	89.5	9.3	
	1800	460	213TC	8P7P2CCR	\$1,550	DS-841	1.15	20.8	160	91.0	9.2	
10	3600	460	215TC	8P10P1CCR	\$1,962	DS-841	1.15	20.8	185	91.0	11.8	
	1800	460	215TC	8P10P2CCR	\$1,837	DS-841	1.15	20.8	200	91.0	12	

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General Purpose Three Phase Open Dripproof (ODP) NEMA^{®†} Premium Efficient – IE3



**NEMA
Premium**

DE, RE

APPLICATIONS:

For pumps, fans, compressors, material handling, and other general purpose applications where contaminants are minimal.

FEATURES:

- WORLDMOTOR[®] Features Except Where Noted, and on 200V & 575V Motors
- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame 56-320, Cast Iron Frame 360-440
- Aluminum End Shields 56-250, Cast Iron End Shields 280-440
- "CE" Mark On Nameplate (140 Frame & Larger)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hz Sine Wave Power
- 1.15 Service Factor
- Regreasable Bearings 180 Frame & Up
- Double Shielded Bearings 140-400, Open on 440
- Bearing Caps On 400 & 440 Frames
- F1 Assembly Position except where noted
- Lifting Provisions 210 Frame & Up
- Conversion Kits: Drip Cover Kits (140-320 Frame)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	48	D14S2D4	\$344	DS-3F	9.6	17	-	1.3-1.3/0.65	26,NNP
	1200	208-230/460	56	D14S3A	\$507	DS-3F	11.9	32	-	1.4-1.4/0.7	26,NNP
1/3	3600	208-230/460	48	D13S1D4	\$350	DS-3FMP	9.4	19	-	1.6-1.6/0.80	26,NNP
	1800	208-230/460	56	D13S2A	\$191	DS-3F	9.9	24	-	NULL	26,NNP
1/2	3600	208-230/460	48	D12S1D4	\$370	DS-3F	9.4	19	-	1.8-1.8/0.90	26,NNP
	1800	208-230/460	56	D12S2A	\$366	DS-3F	11.4	24	-	1.98-1.9/98	26,NNP
	1200	208-230/460	56	D12S3A	\$548	DS-3F	11.9	32	-	2.2-2.2/1.1	26,NNP
3/4	3600	230/460	48	D34S1B	\$444	DS-3F	8.9	19	-	2.4/1.2	26,NNP
	1800	208-230/460	56	D34S2A	\$373	DS-3F	10.0	25	-	2.8-3.2/1.6	26,NNP
1	3600	208-230/460	56	D1S1A	\$376	DS-3F	10.4	25	77.0	2.8/1.4	26,NNP
	1800	200	143T	D1P2H	\$644	DS-3E	12.8	37	85.5	3.6	
	1800	208-230/460	143T	D1P2D	\$644	DS-3E	12.8	30	85.5	3.2-3.1/1.6	03
	1800	208-230/460	56H	D1S2AH	\$394	DS-3F	12.4	28	82.5	3.2-3.0/1.5	26,NNP
	1800	208-230/460	56HZ	D1P2DHZ	\$518	DS-3E	13.8	26	85.5	3.3-3.3/1.6	26
	1800	575	143T	D1P2G	\$644	DS-3E	12.8	35	85.5	1.3	
	1200	200	145T	D1P3H	\$756	DS-3E	14.1	40	82.5	4.5	
	1200	208-230/460	145T	D1P3D	\$756	DS-3E	14.1	42	82.5	4-4/2	
	1200	208-230/460	56H	D1S3DH	\$741	DS-3FMP	12.1	32	77.0	4.2-4.3/2.2	26,NNP
	1200	575	145T	D1P3G	\$756	DS-3E	14.1	40	82.5	1.6	
1 1/2	3600	200	143T	D32P1H	\$635	DS-3E	12.8	35	84.0	4.3	
	3600	208-230/460	143T	D32P1D	\$635	DS-3E	12.8	37	85.5	4.2-3.8/1.9	
	3600	208-230/460	56H	D32S1AH	\$512	DS-3F	11.9	32	82.0	4.7-4.4/2.2	26,NNP
	3600	575	143T	D32P1G	\$635	DS-3E	12.8	35	85.5	1.5	
	1800	200	145T	D32P2H	\$675	DS-3E	12.8	42	86.5	4.8	
	1800	208-230/460	145T	D32P2D	\$675	DS-3E	12.8	40	86.5	4.4-4.2/2.1	
	1800	208-230/460	56HZ	D32E2DHZ	\$479	DS-3FMP	12.6	26	84.0	5.0-4.9/2.5	26,NNP
	1800	230/460	145T	D32P2B2	\$675	DS-3E	12.8	40	86.5	4.2/2.1	05,26
	1800	575	145T	D32P2G	\$675	DS-3E	12.8	42	86.5	1.7	
	1200	200	182T	D32P3H	\$885	DS-3E	15.0	45	86.5	6	
	1200	208-230/460	182T	D32P3D	\$885	DS-3E	15.0	45	86.5	5.2-5/2.5	
	1200	575	182T	D32P3G	\$885	DS-3E	15.0	45	86.5	2	
	900	575	184T	D32E4G	\$925	DS-3FOP	15.0	60	75.5	2.4	NNP
2	3600	200	145T	D2P1H	\$744	DS-3E	12.8	40	85.5	5.6	
	3600	208-230/460	145T	D2P1D	\$744	DS-3E	12.8	42	85.5	5.5-5/2.5	
	3600	208-230/460	56H	D2S1AH	\$596	DS-3F	11.9	32	82.5	6.0-5.4/2.7	26,NNP
	3600	575	145T	D2P1G	\$744	DS-3E	12.8	40	85.5	2	
	1800	200	145T	D2P2H	\$722	DS-3E	12.8	99	86.5	6.4	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 05 F2 Assembly Position

Note 26 Does not include WORLDMOTOR[®] features

Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase Open Dripproof (ODP) NEMA[®] Premium Efficient – IE3


**NEMA
Premium**

DE, RE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
2	1800	208-230/460	145T	D2P2D	\$722	DS-3E	12.8	35	86.5	5.9-5.6/2.8	03
	1800	208-230/460	56H	D2S2AH	\$485	DS-3F	12.9	35	84.0	6.1-6.2/3.1	26,NNP
	1800	208-230/460	56HZ	D2E2DHZ	\$515	DS-3F	12.5	26	85.5	6.6-6.6/3.3	26,NNP
	1800	208-230/460	56HZ	D2P2DHZ	\$592	DS-3E	14.3	26	86.5	6.2-6.0/3.0	26
	1800	230/460	145T	D2P2B2	\$722	DS-3E	12.8	35	86.5	5.6/2.8	05,26
	1800	575	145T	D2P2G	\$722	DS-3E	12.8	45	86.5	2.2	
	1200	200	184T	D2P3H	\$904	DS-3E	15.0	60	87.5	7.3	
	1200	208-230/460	184T	D2P3D	\$904	DS-3E	15.0	60	87.5	6.5-6.3/3.1	
	1200	575	184T	D2P3G	\$904	DS-3E	15.0	60	87.5	2.4	
	900	208-230/460	213T	D2E4D	\$1,243	DS-3FOP	16.0	94	85.5	7.9-7.4/3.7	03,NNP
	900	575	213T	D2E4G	\$1,243	DS-3FOP	16.0	90	85.5	2.9	NNP
3	3600	200	145T	D3P1H	\$756	DS-3E	12.8	40	85.5	8.4	
	3600	208-230/460	145T	D3P1D	\$756	DS-3E	12.8	40	85.5	8.2-7.3/3.7	03
	3600	575	145T	D3P1G	\$756	DS-3E	12.8	40	85.5	2.9	
	1800	200	182T	D3P2H	\$779	DS-3E	15.0	50	89.5	9	
	1800	208-230/460	182T	D3P2D	\$779	DS-3E	15.0	50	89.5	8.4-7.8/3.9	
	1800	208-230/460	182T	D3PA2D	\$1,112	DS-3E	15.0	50	89.5	8.4-7.9/3.9	24
	1800	208-230/460	56HZ	D3E2DHZ	\$722	DS-3F	13.5	26	86.5	9.7-9.4/4.6	26,NNP
	1800	575	182T	D3P2G	\$779	DS-3E	15.0	50	89.5	3.2	
	1200	200	213T	D3P3H	\$1,151	DS-3E	16.0	90	88.5	10.5	
	1200	208-230/460	213T	D3P3D	\$1,151	DS-3E	16.0	94	89.5	9.4-8.8/4.4	
	900	208-230/460	215T	D3E4D	\$1,594	DS-3FOP	17.5	104	86.5	11.6-10.8/5.4	03,NNP
900	575	215T	D3E4G	\$1,594	DS-3FOP	17.5	100	86.5	4.4	NNP	
5	3600	200	182T	D5P1H	\$826	DS-3E	15.0	50	88.5	14.1	
	3600	208-230/460	182T	D5P1D	\$826	DS-3E	15.0	50	89.5	13.5-12.3/6.2	03
	1800	200	184T	D5P2H	\$854	DS-3E	15.0	70	89.5	14.7	
	1800	208-230/460	184T	D5P2D	\$854	DS-3E	15.0	115	89.5	13.8-13/6.5	
	1800	208-230/460	184T	D5PA2A	\$1,143	DS-3E	15.0	68	89.5	13.8-12.6/6.3	24,26
	1800	575	184T	D5P2G	\$854	DS-3E	15.0	60	89.5	5.2	
	1200	200	215T	D5P3H	\$1,510	DS-3E	17.5	100	89.5	16.1	
	1200	208-230/460	215T	D5P3D	\$1,510	DS-3E	17.5	104	89.5	15.2-14.5/7.3	
	1200	575	215T	D5P3G	\$1,510	DS-3E	17.5	100	89.5	5.7	
	900	208-230/460	254T	D5E4D	\$2,044	DS-3FOP	22.6	162	88.5	16.2-15.2/7.6	02,03,NNP
	900	575	254T	D5E4G	\$2,044	DS-3FOP	22.6	150	87.5	6.2	02,NNP
7 1/2	3600	200	184T	D7P1H	\$1,313	DS-3E	15.0	60	88.5	20.8	
	3600	208-230/460	184T	D7P1D	\$1,313	DS-3E	15.0	60	88.5	20.3-18.1/9.1	03
	3600	575	184T	D7P1G	\$1,313	DS-3E	15.0	60	88.5	7.3	
	1800	200	213T	D7P2H	\$1,255	DS-3E	16.0	90	91.0	21.4	
	1800	208-230/460	213T	D7P2D	\$1,255	DS-3E	16.0	105	91.0	20.2-18.5/9.3	
	1800	208-230/460	213T	D7PA2A	\$1,830	DS-3E	16.0	90	91.0	20.5-18.5/9.2	24,26
	1800	575	213T	D7P2G	\$1,255	DS-3E	16.0	90	91.0	7.2	
	1200	200	254T	D7P3H	\$1,814	DS-3E	22.6	150	91.0	21.9	NNP
1200	208-230/460	254T	D7P3D	\$1,814	DS-3E	22.6	150	91.0	20.5-18.9/9.5	02,03	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 05 F2 Assembly Position
 Note 24 Automatic Reset Thermal Protector Overload
 Note 26 Does not include WORLDMOTOR[®] features
 Note NNP Non-NEMA[®] Premium Rating

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General Purpose Three Phase Open Dripproof (ODP) NEMA[®] Premium Efficient – IE3



**NEMA
Premium**

DE, RE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
7 1/2	1200	575	254T	D7P3G	\$1,814	DS-3E	22.6	150	91.0	7.6	02
	900	208-230/460	256T	D7E4D	\$2,600	DS-3FOP	23.2	172	88.5	23.9-22.8/11.4	02,03,NNP
	900	575	256T	D7E4G	\$2,600	DS-3FOP	23.2	160	88.5	9.7	02,NNP
10	3600	200	213T	D10P1H	\$1,500	DS-3E	16.0	90	90.2	28	
	3600	208-230/460	213T	D10P1D	\$1,500	DS-3E	16.0	90	90.2	27.1-24.3/12.2	03
	3600	575	213T	D10P1G	\$1,500	DS-3E	16.0	90	90.2	9.7	
	1800	200	215T	D10P2H	\$1,523	DS-3E	17.5	100	91.7	28.1	
	1800	208-230/460	215T	D10P2D	\$1,523	DS-3E	17.5	133	91.7	26.3-23.8/11.9	
	1800	575	215T	D10P2G	\$1,523	DS-3E	17.5	100	91.7	9.8	
	1200	200	256T	D10P3H	\$2,360	DS-3E	23.2	160	91.7	29.3	
	1200	208-230/460	256T	D10P3D	\$2,360	DS-3E	23.2	160	91.7	27.2-25/12.5	02,03
	1200	575	256T	D10P3G	\$2,360	DS-3E	23.2	160	91.7	10.2	02
	900	208-230/460	284T	D10E4D	\$3,084	DS-3FOP	24.9	222	89.5	31-29.2/14.6	02,03,NNP
	900	575	284T	D10E4G	\$3,084	DS-3FOP	24.9	210	89.5	12.1	02,NNP
15	3600	200	215T	D15P1H	\$2,133	DS-3E	17.5	100	90.2	41	
	3600	208-230/460	215T	D15P1D	\$2,133	DS-3E	17.5	100	90.2	40-36/18	03
	3600	575	215T	D15P1G	\$2,133	DS-3E	17.5	104	90.2	14.6	
	1800	200	254T	D15P2H	\$2,158	DS-3E	22.6	150	93.0	42	
	1800	208-230/460	254T	D15P2D	\$2,158	DS-3E	22.6	150	93.0	40-36/18.2	02,03
	1800	575	254T	D15P2G	\$2,158	DS-3E	22.6	100	93.0	14.8	
	1200	200	284T	D15P3H	\$3,184	DS-3E	24.9	300	91.7	42	
	1200	208-230/460	284T	D15P3D	\$3,184	DS-3E	24.9	300	91.7	41-37/18.5	
	1200	575	284T	D15P3G	\$3,184	DS-3E	24.9	300	91.7	14.7	02
	900	200	286T	D15E4H	\$4,053	DS-3FOP	24.9	230	89.5	49	02,NNP
	900	208-230/460	286T	D15E4D	\$4,053	DS-3FOP	24.9	242	89.5	46-43/21.4	02,03,NNP
900	575	286T	D15E4G	\$4,053	DS-3FOP	24.9	230	89.5	17.7	02,NNP	
20	3600	200	254T	D20P1H	\$2,506	DS-3E	22.6	150	91.7	53	02
	3600	208-230/460	254T	D20P1D	\$2,506	DS-3E	22.6	150	91.0	52-46/23.1	02,03
	3600	575	254T	D20P1G	\$2,505	DS-3E	22.6	150	91.0	18.7	02
	1800	200	256T	D20P2H	\$2,711	DS-3E	23.2	160	93.0	56	02,03
	1800	208-230/460	256T	D20P2D	\$2,711	DS-3E	23.2	160	93.0	54-49/24.4	02,03
	1800	575	256T	D20P2G	\$2,711	DS-3E	23.2	160	93.0	19.2	
	1200	200	286T	D20P3H	\$3,878	DS-3E	24.9	325	92.4	56	
	1200	208-230/460	286T	D20P3D	\$3,878	DS-3E	24.9	325	92.4	53-49/24.3	02,03
	1200	230/460	286T	D20P3B	\$3,878	DS-3E	24.9	337	91.7	48/24.2	
	1200	575	286T	D20P3G	\$3,878	DS-3E	24.9	325	92.4	19.3	02
	900	208-230/460	324T	D20E4D	\$4,796	DS-3FOP	27.3	451	90.2	60-54/26.9	02,03,NNP
900	575	324T	D20E4G	\$4,796	DS-3FOP	27.3	420	90.2	21.5	02,NNP	
25	3600	200	256T	D25P1H	\$3,010	DS-3E	23.2	160	91.7	67	02
	3600	208-230/460	256T	D25P1D	\$3,010	DS-3E	23.2	160	91.7	65-57/28.7	02,03
	3600	575	256T	D25P1G	\$3,010	DS-3E	23.2	160	91.7	22.9	02
	1800	200	284T	D25P2H	\$3,306	DS-3E	24.9	300	93.6	67	02,03
	1800	200	284TS	D25P2HS	\$3,306	DS-3E	23.5	300	93.6	67	
	1800	208-230/460	284T	D25P2D	\$3,306	DS-3E	24.9	300	93.6	64-58/29	02,03
	1800	208-230/460	284TS	D25P2DS	\$3,306	DS-3E	23.5	300	93.6	64-58/29	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note NNP Non-NEMA[®] Premium Rating

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GENERAL PURPOSE UNIMOUNT
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 GENERAL PURPOSE 841 PLUS™
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 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase Open Dripproof (ODP) NEMA® Premium Efficient – IE3


**NEMA
Premium**

DE, RE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes	
25	1800	460	284TS	D25P2CS	\$3,306	DS-3E	23.5	300	93.6	29		
	1800	575	284T	D25P2G	\$3,306	DS-3E	24.9	300	94.1	23.1		
	1800	575	284TS	D25P2GS	\$3,306	DS-3E	23.5	300	93.6	23.1	02	
	1200	200	324T	D25P3H	\$4,684	DS-3E	27.3	385	93.0	67	02	
	1200	208-230/460	324T	D25P3D	\$4,684	DS-3E	27.3	385	93.0	65-58/29.1	02,03	
	1200	575	324T	D25P3G	\$4,684	DS-3E	27.3	385	93.0	23.5	02	
	900	208-230/460	326T	D25E4D	\$5,681	DS-3FOP	27.3	460	91.0	74-67/33	02,03,NNP	
	900	575	326T	D25E4G	\$5,681	DS-3FOP	27.3	460	90.2	26.9	02,NNP	
30	3600	200	284TS	D30P1HS	\$3,551	DS-3E	23.5	225	92.4	78	02	
	3600	208-230/460	284TS	D30P1DS	\$3,551	DS-3E	23.5	300	92.4	79-68/34		
	3600	575	284TS	D30P1GS	\$3,551	DS-3E	23.5	312	93.0	27.4		
	1800	200	286T	D30P2H	\$3,615	DS-3E	24.9	350	94.1	79		
	1800	200	286TS	D30P2HS	\$3,615	DS-3E	23.5	350	94.1	79		
	1800	208-230/460	286T	D30P2D	\$3,615	DS-3E	24.9	250	94.1	77-69/34		
	1800	208-230/460	286TS	D30P2DS	\$3,615	DS-3E	23.5	250	94.1	77-69/34		
	1800	575	286T	D30P2G	\$3,615	DS-3E	24.9	362	94.1	27.7		
	1800	575	286TS	D30P2GS	\$3,615	DS-3E	23.5	350	94.1	27.5	02	
	1200	200	326T	D30P3H	\$4,886	DS-3E	27.3	415	93.6	81	02,14	
	1200	208-230/460	326T	D30P3D	\$4,886	DS-3E	27.3	415	93.6	78-70/35	02,03,14	
	1200	575	326T	D30P3G	\$4,886	DS-3E	27.3	415	93.6	28	02,14	
	900	575	364T	D30E4G	\$6,297	DS-3FOP	28.7	580	91.0	30	02,NNP	
	40	3600	200	286TS	D40P1HS	\$4,580	DS-3E	23.5	250	93.0	104	02
3600		208-230/460	286TS	D40P1DS	\$4,580	DS-3E	23.5	250	93.0	104-90/45	02,03	
3600		575	286TS	D40P1GS	\$4,580	DS-3E	23.5	362	93.0	36		
1800		200	324T	D40P2H	\$4,716	DS-3E	27.3	385	94.1	105	02	
1800		200	324TS	D40P2HS	\$4,716	DS-3E	25.8	385	94.1	105	02	
1800		208-230/460	324T	D40P2D	\$4,716	DS-3E	27.3	385	94.1	102-91/46	02,03	
1800		208-230/460	324TS	D40P2DS	\$4,716	DS-3E	25.8	385	94.1	102-91/46	02,03	
1800		575	324T	D40P2G	\$4,716	DS-3E	27.3	416	94.5	37		
1800		575	324TS	D40P2GS	\$4,716	DS-3E	25.8	385	94.1	36	02	
1200		230/460	364T	D40P3B	\$6,963	DS-3E	28.7	580	94.5	92/46	06	
1200		230/460	364T	D40P3E	\$6,963	DS-3E	28.7	580	94.5	92/46	02,03	
1200		575	364T	D40P3G	\$6,963	DS-3E	28.7	580	94.5	37	02	
900		460	365T	D40E4E	\$7,800	DS-3FOP	29.7	631	92.4	52	02,03,NNP	
900		575	365T	D40E4G	\$7,800	DS-3FOP	29.7	600	91.7	42	02,NNP	
50		3600	200	324TS	D50P1HS	\$4,989	DS-3E	25.8	385	93.0	134	02
		3600	208-230/460	324TS	D50P1DS	\$4,989	DS-3E	25.8	450	93.0	130-117/59	02,03
	3600	575	324TS	D50P1GS	\$4,989	DS-3E	25.8	385	93.0	47	02,NNP	
	1800	200	326T	D50P2H	\$5,206	DS-3E	27.3	415	94.5	130	02	
	1800	200	326TS	D50P2HS	\$5,206	DS-3E	25.8	415	94.5	130	02	
	1800	208-230/460	326T	D50P2D	\$5,206	DS-3E	27.3	415	94.5	126-113/56	02	
	1800	460	326TS	D50P2DS	\$5,206	DS-3E	25.8	415	94.5	56	02,03	
	1800	460	326TS	D50P2FS	\$5,206	DS-3E	25.8	415	94.5	56	02,03	
	1800	575	326T	D50P2G	\$5,206	DS-3E	27.3	415	94.5	46	02,03	
	1800	575	326TS	D50P2GS	\$5,206	DS-3E	25.8	415	94.5	45		

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note NNP Non-NEMA® Premium Rating

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General Purpose Three Phase Open Dripproof (ODP) NEMA[®] Premium Efficient – IE3



(continued)

DE, RE

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
50	1200	230/460	365T	D50P3E	\$8,428	DS-3E	29.7	580	94.5	115/57	
	1200	575	365T	D50P3G	\$8,428	DS-3E	29.7	580	94.5	46	02
	900	460	404T	D50E4E	\$9,293	DS-3FOP	32.6	750	92.4	66	02,03,NNP
	900	575	404T	D50E4G	\$9,293	DS-3FOP	32.6	750	92.4	53	02,NNP
60	3600	200	326TS	D60P1HS	\$6,311	DS-3E	25.8	460	93.6	155	02
	3600	208-230/460	326TS	D60P1DS	\$6,311	DS-3E	25.8	460	93.6	152-134/67	02,03
	3600	575	326TS	D60P1GS	\$6,311	DS-3E	25.8	415	93.6	54	02,14
	1800	230/460	364T	D60P2E	\$6,554	DS-3E	28.7	580	95.0	138/69	02,03
	1800	230/460	364TS	D60P2ES	\$6,554	DS-3E	26.6	580	95.0	138/69	
	1800	460	364TS	D60P2FS	\$6,554	DS-3E	26.6	580	95.0	69	
	1800	575	364T	D60P2G	\$6,554	DS-3E	28.7	580	95.0	55	
	1800	575	364TS	D60P2GS	\$6,554	DS-3E	26.6	580	95.0	55	02
	1200	230/460	404T	D60P3E	\$10,488	DS-3E	32.6	750	95.0	137/69	02,03
	900	460	405T	D60E4E	\$10,775	DS-3FOP	34.1	813	93.0	79	02,03,NNP
	900	575	405T	D60E4G	\$10,775	DS-3FOP	34.1	800	92.4	62	02,NNP
	75	3600	230/460	364TS	D75P1ES	\$8,282	DS-3E	26.6	580	94.1	171/86
3600		575	364TS	D75P1GS	\$8,282	DS-3E	26.6	580	94.1	69	
1800		230/460	365T	D75P2E	\$8,045	DS-3E	29.7	600	95.0	172/86	02,03
1800		230/460	365TS	D75P2ES	\$8,045	DS-3E	27.6	600	95.0	172/86	
1800		460	365TS	D75P2FS	\$8,045	DS-3E	27.6	600	95.0	86	
1800		575	365T	D75P2G	\$8,045	DS-3E	29.7	600	95.0	69	
1800		575	365TS	D75P2GS	\$8,045	DS-3E	27.6	600	95.0	69	02
1200		230/460	405T	D75P3E	\$11,678	DS-3E	34.1	800	95.0	172/86	02,03
1200		575	405T	D75P3G	\$11,678	DS-3E	34.1	800	94.5	69	02
900		460	444T	D75E4E	\$12,961	DS-3FOP	37.8	1100	93.6	94	02,03,NNP
900		575	444T	D75E4G	\$12,961	DS-3FOP	37.8	1100	94.1	75	02,NNP
100		3600	230/460	365TS	D100P1ES	\$8,853	DS-3E	27.6	600	94.5	225/112
	3600	575	365TS	D100P1GS	\$8,853	DS-3E	27.6	600	94.1	90	02
	1800	230/460	404T	D100P2E	\$9,175	DS-3E	32.6	750	95.4	225/112	02,03
	1800	230/460	404TS	D100P2ES	\$9,175	DS-3E	29.6	750	95.4	225/112	02,03
	1800	460	404TS	D100P2FS	\$9,175	DS-3E	29.6	750	95.4	112	02,03
	1800	575	404T	D100P2G	\$9,175	DS-3E	32.6	750	95.4	90	02
	1800	575	404TS	D100P2GS	\$9,175	DS-3E	29.6	750	95.4	90	02
	1200	230/460	444T	D100P3E	\$11,829	DS-3E	37.8	1100	95.4	242/121	02,03
	1200	460	444T	D100P3C	\$11,829	DS-3E	37.8	1100	95.4	121	
	1200	575	444T	D100P3G	\$11,829	DS-3E	37.8	1100	95.0	98	02
	900	460	445T	D100E4E	\$18,278	DS-3FOP	39.8	1200	94.1	122	02,03,NNP
	900	575	445T	D100E4G	\$18,278	DS-3FOP	39.8	1200	94.1	99	02,NNP
125	3600	460	404TS	D125P1FS	\$10,889	DS-3E	29.6	750	95.0	136	02,03
	3600	575	404TS	D125P1GS	\$10,889	DS-3E	29.6	750	94.5	109	02
	1800	460	405T	D125P2F	\$11,254	DS-3E	34.1	800	95.4	140	02,03
	1800	460	405TS	D125P2FS	\$11,254	DS-3E	31.1	800	95.4	140	02,03
	1800	575	405T	D125P2G	\$11,254	DS-3E	34.1	800	95.4	112	
	1800	575	405TS	D125P2GS	\$11,254	DS-3E	31.1	800	95.4	112	02
	1200	460	445T	D125P3F	\$13,882	DS-3E	39.8	1200	95.4	151	02,03

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA[®] Design A
 Note NNP Non-NEMA[®] Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase Open Dripproof (ODP) NEMA® Premium Efficient – IE3


**NEMA
Premium**

DE, RE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
125	1200	575	445T	D125P3G	\$13,882	DS-3E	39.8	1200	95.4	121	02
	900	460	445T	D125E4F	\$18,979	DS-3FOP	39.8	1200	94.1	154	02,03,NNP
	900	575	445T	D125E4G	\$18,979	DS-3FOP	39.8	1200	93.6	129	02,NNP
150	3600	460	405TS	D150P1FS	\$13,432	DS-3E	31.1	800	94.5	164	02,03
	3600	575	405TS	D150P1GS	\$13,432	DS-3E	31.1	813	94.1	131	
	1800	460	444T	D150P2C	\$12,502	DS-3E	37.8	1218	96.2	169	
	1800	460	444T	D150P2F	\$12,502	DS-3E	37.8	1100	95.8	175	02,03
	1800	460	444TS	D150P2FS	\$12,502	DS-3E	34.0	1100	95.8	175	02,03
	1800	575	444T	D150P2G	\$12,502	DS-3E	37.8	1100	95.8	140	02
	1800	575	444TS	D150P2GS	\$12,502	DS-3E	34.0	1100	95.8	140	02
	1200	460	445T	D150P3F	\$16,349	DS-3E	39.8	1200	95.8	190	02,03
	900	460	447T	D150E4F	\$21,413	DS-3FOP	43.3	1700	94.1	183	02,03,NNP
	900	575	447T	D150E4G	\$21,413	DS-3FOP	43.3	1700	93.6	150	02,NNP
200	3600	460	444TS	D200P1FS	\$15,223	DS-3E	34.0	1100	95.0	227	02,03
	3600	575	444TS	D200P1GS	\$15,223	DS-3E	34.0	1100	95.0	181	02
	1800	460	445T	D200P2F	\$15,624	DS-3E	39.8	1200	96.2	231	02,03
	1800	460	445TS	D200P2FS	\$15,624	DS-3E	36.0	1200	96.2	231	02,03
	1800	575	445T	D200P2G	\$15,624	DS-3E	39.8	1200	95.8	188	02
	1800	575	445TS	D200P2GS	\$15,624	DS-3E	36.0	1200	95.8	188	02
	1200	460	447T	D200P3F	\$21,492	DS-3E	43.3	1700	95.4	250	02,03
	1200	575	447T	D200P3G	\$21,492	DS-3E	43.3	1700	95.4	205	02
	900	460	449T	D200E4F	\$21,779	DS-3FOP	48.3	2000	93.6	255	02,03,57,NNP
250	3600	460	445TS	D250P1FS	\$25,637	DS-3E	36.0	1200	95.4	282	02,03
	3600	575	445TS	D250P1GS	\$25,637	DS-3E	36.0	1200	95.0	223	02
	1800	460	445T	D250E2F	\$15,982	DS-3FOP	39.8	1220	95.4	277	02,03,NNP
	1800	460	445TS	D250E2FS	\$15,982	DS-3FOP	36.0	1220	95.4	277	02,03,NNP
	1800	460	447T	D250P2F	\$17,666	DS-3E	43.3	1700	95.8	284	02,03
	1800	460	447TS	D250P2FS	\$17,666	DS-3E	39.5	1700	95.8	284	02,03
	1800	575	445T	D250E2G	\$15,982	DS-3FOP	39.8	1200	95.4	221	02,NNP
	1800	575	445TS	D250E2GS	\$15,982	DS-3FOP	36.0	1200	95.4	221	02,NNP
	1800	575	447T	D250P2G	\$17,666	DS-3E	43.3	1700	95.8	228	02
	1800	575	447TS	D250P2GS	\$17,666	DS-3E	39.5	1700	95.8	228	02
300	1200	575	447T	D250P3G	\$24,438	DS-3E	43.3	1700	95.4	228	02
	3600	460	445TS	D300E1FS	\$25,097	DS-3FOP	36.0	1220	95.4	326	02,03,NNP
	1800	460	447T	D300E2F	\$20,948	DS-3FOP	43.3	1700	95.4	329	02,03,NNP
	1800	460	447TS	D300E2FS	\$20,948	DS-3FOP	39.5	1700	95.4	329	02,03,NNP
350	1800	575	447TS	D300E2GS	\$20,948	DS-3FOP	39.5	1700	95.4	263	02,NNP
	3600	460	447TS	D350E1FS	\$28,725	DS-3FOP	39.5	1723	95.4	377	02,03,NNP
	1800	460	447T	D350E2F	\$28,380	DS-3FOP	43.3	1723	95.8	383	02,03,NNP
400	1800	460	447TS	D350E2FS	\$28,380	DS-3FOP	39.5	1723	95.8	383	02,03,NNP
	3600	460	449TS	D400E1FS	\$33,700	DS-3FOP	44.5	2000	95.4	434	NNP

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 57 Not suitable for Belted Applications
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Open Dripproof (ODP) NEMA^{®†} Premium Efficient, C-Face



DE, RE

APPLICATIONS:

For use on pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

FEATURES:

- WORLDMOTOR[®] Features Except Where Noted
- Class F Insulation, Class B Rise At Service Factor On 60 Hertz Sine Wave Power
- Rolled Steel Frame 56-320, Cast Iron Frame 360-440
- Aluminum End Shields 56-250, Cast Iron End Shields 280-440
- "CE" Mark On Nameplate (140 Frame & Larger)
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hz Sine Wave Power
- Conversion Kits: Drip Cover Kits (140-320 Frame)
- Full HP @ 50 Hz
- Regreasable Bearings 250 Frame & Up
- Double Shielded Bearings 48-400
- Bearing Cap On 440 Frame
- Suitable For Wye-Delta Start 250 Frame & Larger
- F1 Assembly Position
- Lifting Provisions 210 Frame & Up

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800	208-230/460	56C	D13S2AC	\$298	DS-3FMP	1.35	10.4	17	-	1.5-1.7/0.8	
1	1800	208-230/460	143TC	D1P2DC	\$745	DS-3E	1.15	12.8	40	85.5	3.2-3.1/1.5	
	1800	208-230/460	56HC	D1S2AHC	\$353	DS-3F	1.25	12.4	26	-	3.2-3.0/1.5	NNP
1 1/2	3600	208-230/460	143TC	D32P1DC	\$736	DS-3E	1.15	12.8	40	85.5	4.2-3.8/1.9	
	3600	208-230/460	56HC	D32S1AHC	\$541	DS-3F	1.15	11.9	32	-	4.7-4.4/2.2	NNP
	1800	208-230/460	145TC	D32P2DC	\$776	DS-3E	1.15	12.8	45	86.5	4.4-4.2/2.1	
	1800	208-230/460	56HC	D32S2DHC	\$642	DS-3FMP	1.15	12.7	33	-	5.0-4.9/2.5	26,NNP
2	3600	208-230/460	145TC	D2P1DC	\$845	DS-3E	1.15	12.8	45	85.5	5.5-5/2.5	
	3600	208-230/460	56HC	D2S1AHC	\$710	DS-3F	1.15	11.9	32	-	6.0-5.4/2.7	NNP
	1800	208-230/460	145TC	D2P2DC	\$823	DS-3E	1.15	12.8	45	86.5	5.9-5.5/2.8	
	1800	208-230/460	56HC	D2S2DHC	\$685	DS-3FMP	1.15	12.7	37	-	6.6-6.6/3.3	26,NNP
3	3600	208-230/460	145TC	D3P1DC	\$857	DS-3E	1.15	12.8	45	85.5	8.2-7.3/3.7	
	1800	208-230/460	182TC	D3P2DC	\$928	DS-3E	1.15	15.8	50	89.5	8.4-7.8/3.9	
5	3600	208-230/460	182TC	D5P1DC	\$975	DS-3E	1.15	15.8	50	89.5	13.5-12.3/6.2	
	1800	208-230/460	184TC	D5P2DC	\$1,008	DS-3E	1.15	15.8	60	89.5	13.8-13/6.5	
7 1/2	3600	208-230/460	184TC	D7P1DC	\$1,467	DS-3E	1.15	15.8	60	88.5	20.3-18.1/9.1	
	1800	208-230/460	213TC	D7P2DC	\$1,410	DS-3E	1.15	16.8	100	91.0	20.2-18.5/9.3	
10	3600	208-230/460	213TC	D10P1DC	\$1,649	DS-3E	1.15	16.8	100	90.2	27.1-24.3/12.2	
	1800	208-230/460	215TC	D10P2DC	\$1,677	DS-3E	1.15	18.3	110	92.4	26.3-23.8/11.9	
15	3600	208-230/460	215TC	D15P1DC	\$2,287	DS-3E	1.15	18.3	100	91.0	40-36/18	
	1800	208-230/460	254TC	D15P2DC	\$2,367	DS-3E	1.15	23.0	150	93.0	40-36/18.2	02,03
20	3600	208-230/460	254TC	D20P1DC	\$2,707	DS-3E	1.15	23.0	150	91.7	52-46/23.1	02,03
	1800	208-230/460	256TC	D20P2DC	\$2,921	DS-3E	1.15	23.6	170	93.0	54-49/24.4	
25	3600	208-230/460	256TC	D25P1DC	\$3,219	DS-3E	1.15	23.6	160	91.7	65-57/28.7	02,03
	1800	208-230/460	284TC	D25P2DC	\$3,638	DS-3E	1.15	24.9	300	93.6	64-58/29	
30	3600	208-230/460	284TSC	D30P1DSC	\$3,871	DS-3E	1.15	23.5	300	92.4	79-68/34	
	1800	208-230/460	286TC	D30P2DC	\$3,935	DS-3E	1.15	24.9	350	94.1	77-69/34	
40	3600	208-230/460	286TSC	D40P1DSC	\$4,912	DS-3E	1.15	23.5	250	93.0	104-90/45	02,03
	1800	208-230/460	324TC	D40P2DC	\$5,175	DS-3E	1.15	27.3	385	94.1	102-91/46	02,03
50	3600	208-230/460	324TSC	D50P1DSC	\$5,466	DS-3E	1.15	25.8	385	93.0	130-117/59	02,03
	1800	208-230/460	326TC	D50P2DC	\$5,684	DS-3E	1.15	27.3	415	94.5	126-113/56	02,03
60	3600	208-230/460	326TSC	D60P1DSC	\$6,788	DS-3E	1.15	25.8	460	93.6	152-134/67	02,03

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz; 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 26 Does not include WORLD MOTOR[®] features
 Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

General Purpose Three Phase, Open Dripproof (ODP) NEMA^{®†} Premium Efficient, C-Face

NEMA
Premium


DE, RE

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	D14S2ACR	\$285	DS-3F	1.35	10.9	26	-	1.1-1.2/0.6	
1/3	3600	208-230/460	56C	D13S1DCR	\$348	DS-3FMP	1.35	10.3	19	-	1.6-1.6/0.8	26,NNP
	1800	208-230/460	56C	D13S2ACR	\$305	DS-3F	1.35	11.4	26	-	1.4-1.4/0.7	
1/2	3600	208-230/460	56C	D12S1DCR	\$374	DS-3FMP	1.25	10.3	19	-	1.8-1.8/0.9	26,NNP
	1800	208-230/460	56C	D12S2ACR	\$305	DS-3F	1.25	11.4	26	-	1.98-1.9/98	
	1200	208-230/460	56C	D12S3DCR	\$653	DS-3FMP	1.25	11.7	32	-	2.2-2.3/1.1	26,NNP
3/4	3600	208-230/460	56C	D34S1DCR	\$444	DS-3FMP	1.25	10.8	19	-	2.6-2.4/1.2	26,NNP
	1800	208-230/460	56C	D34S2ACR	\$366	DS-3F	1.25	11.9	26	-	2.8-2.7/1.4	
	1200	208-230/460	56C	D34S3DCR	\$704	DS-3F	1.15	12.2	32	-	3.4-3.5/1.7	
1	3600	208-230/460	56C	D1S1ACR	\$459	DS-3F	1.25	11.4	32	-	3.1-3.0/1.5	NNP
1 1/2	3600	208-230/460	56C	D32S1ACR	\$589	DS-3FMP	1.15	11.9	32	-	4.7-4.4/2.2	NNP
	1800	208-230/460	56C	D32S2ACR	\$482	DS-3F	1.25	12.4	26	-	4.9-5.0/2.5	NNP
2	3600	208-230/460	56C	D2S1ACR	\$618	DS-3F	1.15	11.9	32	-	6.0-5.4/2.7	NNP
	1800	208-230/460	145TC	D2E2ACR	\$569	DS-3F	1.15	12.4	26	84.0	6.1-6.2/3.1	NNP

Note 26 Does not include WORLDMOTOR[®] features

Note NNP Non-NEMA[†] Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase Open Dripproof (ODP) Energy Efficient, Resilient Base

APPLICATIONS:

For use on pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

FEATURES:

- Rolled Steel Frame
- Aluminum End Shields
- 40°C Ambient
- F1 Assembly Position

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	208-230/460	56	D13S2A9	\$327	DS-3F	1.35	11.8	26	1.4-1.4/0.7	26,35
1/2	1800	208-230/460	56	D12S2A9	\$325	DS-3F	1.25	11.9	26	1.98-1.9/1.98	26,35
3/4	1800	208-230/460	56	D34S2A9	\$345	DS-3F	1.25	12.3	26	2.8-2.7/1.4	26,35
1	1800	208-230/460	56H	D1S2AH9	\$394	DS-3F	1.25	12.8	27	3.2-3.0/1.5	26,35
1 1/2	3600	208-230/460	56H	D32SA1AH9	\$541	DS-3F	1.15	12.8	32	4.7-4.4/2.2	26,35
	1800	208-230/460	56H	D32S2AH9	\$412	DS-3F	1.25	12.8	26	4.9-5.0/2.5	26,35

Note 26 Does not include WORLDMOTOR® features

Note 35 Resilient Base

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase Open Dripproof (ODP) Energy Efficient, C-Face

D, R,
FD, FR

APPLICATIONS:

For use on pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Rolled Steel Frame
- Aluminum End Shields
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Full HP @ 50 Hertz
- Double Shielded Bearings
- F1 Assembly Position

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3/4	3600	208-230/460	56J	EE446B	\$454	DS-3F	1.51	11.8	19	2.7-2.8/1.4	98
	3600	208-230/460	56J	EE506B	\$474	DS-3F	1.41	11.6	22	3.5-3.4/1.7	98
1	3600	208-230/460	56C	EE511B	\$469	DS-3F	1.41	11.6	26	3.6-3.8/1.9	
	1800	208-230/460	56HC	D1S2AHC	\$353	DS-3F	1.25	12.4	26	3.2-3.0/1.5	26
1 1/2	3600	208-230/460	56HC	D32S1AHC	\$541	DS-3F	1.15	11.9	32	4.7-4.4/2.2	26
	3600	208-230/460	56J	EE607B	\$546	DS-3F	1.31	12.4	18	5.0-5.0/2.5	
	1800	208-230/460	56HC	D32S2DHC	\$642	DS-3FMP	1.15	12.7	33	5.0-4.9/2.5	
2	3600	208-230/460	56HC	D2S1AHC	\$710	DS-3F	1.15	11.9	32	6.0-5.4/2.7	26
	3600	208-230/460	56J	EE733B	\$715	DS-3F	1.21	12.9	26	6.1-5.6/2.8	98
	1800	208-230/460	56HC	D2S2DHC	\$685	DS-3FMP	1.15	12.7	37	6.6-6.6/3.3	
3	3600	208-230/460	56J	EE734B	\$785	DS-3F	1.15	13.9	35	8.6-8.4/4.2	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	208-230/460	56C	D14S2ACR	\$285	DS-3F	1.35	10.9	26	1.1-1.2/0.6	26
1/3	1800	208-230/460	56C	D13S2ACR	\$305	DS-3F	1.35	11.4	26	1.4-1.4/0.7	26
1/2	3600	208-230/460	56J	EE155	\$371	DS-3F	1.65	11.8	19	2.2-2.4/1.2	
	1800	208-230/460	56C	D12S2ACR	\$305	DS-3F	1.25	11.4	26	1.98-1.9/98	26
3/4	3600	208-230/460	56C	EE508	\$444	DS-3F	1.51	11.3	20	2.7-2.8/1.4	98
	3600	208-230/460	56J	EE446	\$449	DS-3F	1.51	11.8	25	2.7-2.8/1.4	98
	1800	208-230/460	56C	D34S2ACR	\$366	DS-3F	1.25	11.9	26	2.8-2.7/1.4	26
	1200	208-230/460	56C	D34S3DCR	\$704	DS-3F	1.15	12.2	32	3.4-3.5/1.7	26
1	3600	208-230/460	56C	D1S1ACR	\$459	DS-3F	1.25	11.4	32	3.1-3.0/1.5	26
	3600	208-230/460	56C	EE511	\$464	DS-3F	1.41	11.6	17	3.6-3.8/1.9	98
	3600	208-230/460	56J	EE506	\$469	DS-3F	1.41	12.1	20	3.6-3.8/1.9	98
1 1/2	3600	208-230/460	56C	D32S1ACR	\$589	DS-3FMP	1.15	11.9	32	4.7-4.4/2.2	26
	3600	208-230/460	56C	EE609	\$537	DS-3F	1.00	11.4	28	4.4-4.3/2.2	98
	3600	208-230/460	56J	EE607	\$541	DS-3F	1.31	12.4	17	5.0-5.0/2.5	98
	1800	208-230/460	56C	D32S2ACR	\$482	DS-3F	1.25	12.4	26	4.9-5.0/2.5	26
2	3600	208-230/460	56C	D2S1ACR	\$618	DS-3F	1.15	11.9	32	6.0-5.4/2.7	26
	3600	208-230/460	56C	EE612	\$705	DS-3F	1.15	11.9	90	5.5-5.1/2.5	98
	3600	208-230/460	56J	EE733	\$710	DS-3F	1.21	12.9	25	6.1-5.6/2.8	
	1800	208-230/460	145TC	D2E2ACR	\$569	DS-3F	1.15	12.4	26	6.1-6.2/3.1	26
	1800	208-230/460	56C	EE708	\$705	DS-3F	1.15	13.1	39	6.2-5.8/2.9	
3	3600	208-230/460	56C	EE736	\$775	DS-3F	1.15	11.4	35	7.9-7.6/7.6	
	3600	208-230/460	56J	EE734	\$780	DS-3F	1.15	13.9	17	8.6-8.4/4.2	

Note 26 Does not include WORLDMOTOR® features

Note 98 50/60 Hertz Motor

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA® Premium Efficient – IE3, Dual Label



APPLICATIONS:

For pumps, fans, compressors, conveyors and tools located in hazardous locations as defined by Class and Group.



LE, FL

FEATURES:

For all Products Listed in this Section:

- UL® Listed & CSA® Certified
- Cast Iron Inner Bearing Caps (180 Frame and Larger)
- 40°C Ambient, NEMA® Design B Performance
- Regreasable Bearings 180 Frame & Up
- Lifting Provisions, 180 Frame & Up
- Conversion Kits: Cast Iron Fan Cover (180 Frame & Up)
- Sealed Bearings 56-140, Shielded 180 Frame & Up
- Class, Group & Temp Code as Noted Below

For Catalog Numbers Beginning with "X" or "Y":

- Cast Iron Frame Except Where Noted
- Cast Iron End Brackets & Conduit Box
- Class F Insulation
- 1.00 Service Factor on 60 Hertz Sinewave Power
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger on Pulley End for IP54 Protection

For Catalog Numbers Beginning with "XS":

- Aluminum End Brackets & Conduit Box
- Class B Insulation
- Steel Frame

HP	RPM	Voltage	Frame	Catalog Number	Class I Group	Class II Group	Temp Code	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56	XS12SA2D	D	EFG	T3B	\$505	DS-3CXD	12.4	26	-	2.0-1.9/1.0	13,24,NNP
	1200	208-230/460	56	XS12SA3A	CD	EFG	T3B	\$615	DS-3CXD	13.2	32	-	2.2-2.3/1.1	13,24,NNP
3/4	1800	208-230/460	56	XS34SA2A	D	EFG	T3B	\$576	DS-3CXD	13.7	32	-	2.8-2.9/1.4	13,24,NNP
	1200	208-230/460	143T	XS34S3A14	CD	EFG	T3C	\$700	DS-3CXD	15.0	32	-	3.1-3.2/1.6	13,NNP
1	1800	230/460	143T	X1P2B	D	FG	T3B	\$729	DS-3CXD	12.9	60	85.5	3/1.5	51
	1200	230/460	145T	X1P3B	D	FG	T3B	\$991	DS-3CXD	12.9	80	82.5	3.8/1.9	
	900	230/460	182T	X1E4B	D	FG	T3B	\$1,526	DS-3CXD	16.0	90	74.0	4.7/2.4	NNP
	900	230/460	182T	X1S4B	D	FG	T3B	\$1,526	DS-3CXD	14.6	90	66.0	5.1/2.6	NNP
1 1/2	3600	230/460	143T	X32P1B	D	FG	T3B	\$840	DS-3CXD	12.9	70	84.0	3.9/1.9	
	1800	208-230/460	145T	XS32P2A14	D	FG	T3B	\$808	DS-3CXD	15.5	32	86.5	4.7-4.6/2.3	
	1800	230/460	145T	X32P2B	D	FG	T3B	\$808	DS-3CXD	12.9	80	86.5	4.3/2.1	
	1200	230/460	182T	X32P3B	D	FG	T3B	\$1,093	DS-3CXD	16.0	90	87.5	4.6/2.3	
	900	230/460	184T	X32E4B	D	FG	T3B	\$1,694	DS-3CXD	16.0	105	77.0	6.6/3.3	NNP
2	3600	230/460	145T	X2P1B	D	FG	T3B	\$998	DS-3CXD	12.9	75	85.5	4.9/2.4	
	1800	208-230/460	56H	XS2SA2AH	CD	EFG	T3C	\$886	DS-3CXD	16.7	32	-	6.7-6.4/3.2	13,24,NNP
	1800	230/460	145T	X2P2B	D	FG	T3B	\$886	DS-3CXD	12.9	80	86.5	5.2/2.6	
	1200	230/460	184T	X2P3B	D	FG	T3B	\$1,216	DS-3CXD	16.0	100	88.5	5.8/2.9	
	900	230/460	213T	X2E4B	D	FG	T3B	\$1,880	DS-3CXD	19.2	165	82.5	6.9/3.5	NNP
3	3600	230/460	182T	X3P1B	D	FG	T3B	\$1,116	DS-3CXD	16.0	85	86.5	7.8/3.9	
	1800	230/460	182T	X3P2B	D	FG	T3B	\$986	DS-3CXD	16.0	96	89.5	7.7/3.8	
	1200	230/460	213T	X3P3B	D	FG	T3B	\$1,503	DS-3CXD	19.2	151	89.5	8.8/4.4	
	900	230/460	215T	X3E4B	D	FG	T3B	\$2,330	DS-3CXD	19.2	300	84.0	10.4/5.2	NNP
5	3600	230/460	184T	X5P1B	D	FG	T3B	\$1,400	DS-3CXD	16.0	95	88.5	12/6	
	1800	230/460	184T	X5P2B	D	FG	T3B	\$1,147	DS-3CXD	16.0	110	89.5	12.5/6.2	
	1200	230/460	215T	X5P3B	D	FG	T3B	\$2,152	DS-3CXD	19.2	157	89.5	13.9/7	
	900	230/460	254T	X5E4B	CD	FG	T3C	\$3,239	DS-3CXD	25.3	310	85.5	17.5/8.7	NNP
7 1/2	3600	230/460	213T	X7P1B	D	FG	T3B	\$1,730	DS-3CXD	19.2	156	89.5	18.6/9.3	
	1800	230/460	213T	X7P2B	D	FG	T3B	\$1,564	DS-3CXD	19.2	160	91.7	18.6/9.3	
	1200	230/460	254T	X7P3B	CD	FG	T3C	\$2,788	DS-3CXD	25.3	300	91.0	18.8/9.4	
10	3600	230/460	215T	X10P1B	D	FG	T3B	\$2,027	DS-3CXD	19.2	175	90.2	23.6/11.8	
	1800	230/460	215T	X10P2B	D	FG	T3B	\$1,889	DS-3CXD	19.2	194	91.7	23.9/12	
	1200	230/460	256T	X10P3B	CD	FG	T3C	\$3,368	DS-3CXD	25.3	320	91.0	24.8/12.4	

Note 13 Steel Frame Construction
Note 24 Automatic Reset Thermal Protector Overload

Note 51 Equipped with Winding Thermostat
Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIP-PROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA^{®†} Premium Efficient – IE3, Dual Label



(continued)



LE, FL

HP	RPM	Voltage	Frame	Catalog Number	Class I Group	Class II Group	Temp Code	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
15	3600	230/460	254T	X15P1B	CD	FG	T3C	\$2,817	DS-3CXD	25.3	320	91.0	35/17.5	
	1800	230/460	254T	X15P2B	CD	FG	T3C	\$2,533	DS-3CXD	25.3	316	92.4	37/18.3	
	1200	230/460	284T	X15P3B	CD	FG	T3C	\$4,617	DS-3CXD	27.0	390	91.7	37/18.3	
20	3600	230/460	256T	X20P1B	CD	FG	T3C	\$3,487	DS-3CXD	25.3	375	91.0	46/23.1	
	1800	230/460	256T	X20P2B	CD	FG	T3C	\$3,122	DS-3CXD	25.3	375	93.0	48/23.8	
	1200	230/460	286T	X20P3B	CD	FG	T3C	\$5,593	DS-3CXD	27.0	458	91.7	49/24.4	
25	3600	230/460	284T	X25P1TS	CD	FG	T3C	\$4,208	DS-3CXD	25.6	350	91.7	57/28.7	
	1800	230/460	284T	X25P2B	CD	FG	T3C	\$3,685	DS-3CXD	27.0	286	93.6	58/28.9	
	1200	230/460	324T	X25P3B	CD	FG	T3C	\$6,707	DS-3CXD	30.7	575	93.0	61/31	
30	3600	230/460	286T	X30P1TS	CD	FG	T3C	\$4,934	DS-3CXD	25.6	410	91.7	69/34	
	1800	230/460	286T	X30P2B	CD	FG	T3C	\$4,298	DS-3CXD	27.0	433	93.6	69/34	
	1200	230/460	326T	X30P3B	CD	FG	T3C	\$7,914	DS-3CXD	30.7	685	93.0	74/37	
40	3600	230/460	324T	X40P1TS	CD	FG	T3C	\$6,426	DS-3CXD	29.2	645	92.4	90/45	
	1800	230/460	324T	X40P2B	CD	FG	T3C	\$5,656	DS-3CXD	30.7	590	94.1	90/45	
	1200	230/460	364T	X40P3B	CD	FG	T3C	\$10,476	DS-3CXD	32.3	725	94.1	92/46	
50	3600	460	326T	X50P1TS	CD	FG	T3C	\$8,269	DS-3CXD	29.2	640	93.0	57	
	1800	230/460	326T	X50P2B	CD	FG	T3C	\$6,944	DS-3CXD	30.7	650	94.5	112/56	
	1200	230/460	365T	X50P3B	CD	FG	T3C	\$12,069	DS-3CXD	32.3	950	94.1	115/58	
60	3600	230/460	364T	X60P1TS	CD	FG	T3C	\$10,848	DS-3CXD	30.1	750	93.6	136/68	
	1800	230/460	364T	X60P2B	CD	FG	T3B	\$9,924	DS-3CXD	32.3	810	95.0	136/68	
75	3600	230/460	365T	X75P1TS	CD	FG	T3C	\$13,631	DS-3CXD	30.1	850	93.6	166/83	
	1800	230/460	365T	X75P2B	CD	FG	T3C	\$12,622	DS-3CXD	32.3	850	95.4	169/84	
100	1800	230/460	405T	X100P2B	CD	FG	T3C	\$14,501	DS-3CXD	36.5	1170	95.4	225/113	
	1200	460	444T	X100P3C	D	FG	T3B	\$21,232	DS-3CXD	45.8	1485	95.0	124	
125	1800	460	444T	X125P2C	D	FG	T3B	\$17,910	DS-3CXD	45.8	1560	95.4	147	
150	1800	460	445T	X150P2C	D	FG	T3B	\$21,257	DS-3CXD	45.8	1625	95.8	171	
200	1800	460	447T	X200P2C	D	FG	T3B	\$25,899	DS-3CXD	49.4	2200	96.2	227	

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA[®] Premium Efficient – IE3, Single Label, CORRO-DUTY[®]

APPLICATIONS:

For pumps, fans, compressors, conveyors and tools located in hazardous locations as defined by Class and Group.



**NEMA
Premium**

**FLC,
LCE**

FEATURES:

- UL[®] Listed & CSA[®] Certified
- All Cast Iron Construction (140 Frame Has Steel Base)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- 40°C Ambient, NEMA[®] Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 180 Frame & Up
- Sealed Bearings 56-140, Shielded 180-360, Open 400-440 Frames
- Class F Insulation, Listed For Ambients -25°C To +40°C
- Brass Breather Plug
- Suitable For Inverter Use Per Policy Statement In Introduction, 2:1 CT
- Class I (Group D), T2B Temperature Code
- 1.15 Service Factor On 60 Hertz Sinewave Power

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56	Y12S2B	\$658	DS-3F	1.00	11.6	49	-	1.8-1.7/0.9	13,NNP
3/4	1800	230/460	56	Y34S2B	\$694	DS-3F	1.00	11.6	51	-	2.7/1.3	13,NNP
1	1800	230/460	143T	YC1P2B	\$872	DS-3CX	1.15	13.1	80	85.5	3/1.5	
	1200	230/460	145T	YC1P3B	\$1,022	DS-3CX	1.00	13.1	80	82.5	3.8/1.9	
	900	230/460	182T	YC1E4B	\$1,583	DS-3CX	1.15	16.1	100	74.0	4.7/2.4	NNP
1 1/2	3600	230/460	143T	YC32P1B	\$913	DS-3CX	1.15	13.1	70	84.0	3.9/1.9	
	1800	230/460	145T	YC32P2B	\$917	DS-3CX	1.15	13.1	80	86.5	4.3/2.1	
	1200	230/460	182T	YC32P3B	\$1,106	DS-3CX	1.00	16.1	100	87.5	4.6/2.3	
	900	230/460	184T	YC32E4B	\$2,208	DS-3CX	1.15	16.1	108	77.0	6.6/3.3	NNP
2	3600	230/460	145T	YC2P1B	\$1,017	DS-3CX	1.15	13.1	75	86.5	4.9/2.4	
	1800	230/460	145T	YC2P2B	\$980	DS-3CX	1.15	13.1	80	86.5	5.2/2.6	
	1200	230/460	184T	YC2P3B	\$1,281	DS-3CX	1.15	16.1	110	88.5	5.8/2.9	
	900	230/460	213T	YC2E4B	\$2,363	DS-3CX	1.15	20.0	165	82.5	6.9/3.5	NNP
3	3600	230/460	182T	YC3P1B	\$1,147	DS-3CX	1.15	16.1	95	86.5	7.8/3.9	
	1800	230/460	182T	YC3P2B	\$1,149	DS-3CX	1.15	16.1	96	89.5	7.7/3.8	
	1200	230/460	213T	YC3P3B	\$1,643	DS-3CX	1.15	20.0	151	89.5	8.8/4.4	
	900	230/460	215T	YC3E4B	\$2,934	DS-3CX	1.15	20.0	300	84.0	10.4/5.2	NNP
5	3600	230/460	184T	YC5P1B	\$1,445	DS-3CX	1.15	16.1	104	88.5	12/6	
	1800	230/460	184T	YC5P2B	\$1,279	DS-3CX	1.15	16.1	110	89.5	12.5/6.2	
	1200	230/460	215T	YC5P3B	\$2,184	DS-3CX	1.15	20.0	157	89.5	13.9/7	
	900	230/460	254T	YC5E4B	\$4,010	DS-3CX	1.15	25.0	310	85.5	17.5/8.7	NNP
7 1/2	3600	230/460	213T	YC7P1B	\$1,683	DS-3CX	1.15	20.0	156	89.5	18.6/9.3	
	1800	230/460	213T	YC7P2B	\$1,757	DS-3CX	1.00	20.0	160	91.7	18.6/9.3	
	1200	230/460	254T	YC7P3B	\$2,919	DS-3CX	1.00	25.0	300	91.0	18.8/9.4	
	900	230/460	256T	YC7E4B	\$4,943	DS-3CX	1.15	25.0	375	85.5	23.6/11.8	NNP
10	3600	230/460	215T	YC10P1B	\$2,129	DS-3CX	1.00	20.0	175	90.2	23.6/11.8	
	1800	230/460	215T	YC10P2B	\$2,084	DS-3CX	1.15	20.0	194	91.7	23.9/12	
	1200	230/460	256T	YC10P3B	\$3,804	DS-3CX	1.15	25.0	320	91.0	24.8/12.4	
	900	230/460	284T	YC10E4B	\$6,027	DS-3CX	1.15	27.4	380	88.5	28.5/14.3	NNP
15	3600	230/460	254T	YC15P1B	\$2,851	DS-3CX	1.15	25.0	320	91.0	35/17.5	
	1800	230/460	254T	YC15P2B	\$2,735	DS-3CX	1.15	25.0	316	92.4	37/18.3	
	1200	230/460	284T	YC15P3B	\$4,714	DS-3CX	1.15	27.4	390	91.7	37/18.3	
20	3600	230/460	256T	YC20P1B	\$3,656	DS-3CX	1.00	25.0	375	91.0	46/23.1	
	1800	230/460	256T	YC20P2B	\$3,323	DS-3CX	1.00	25.0	375	93.0	48/23.8	
	1200	230/460	286T	YC20P3B	\$5,563	DS-3CX	1.15	27.4	458	91.7	49/24.4	
	900	230/460	324T	YC20E4B	\$9,400	DS-3CX	1.15	30.7	550	89.5	55/27.3	NNP

Note 13 Steel Frame Construction
Note NNP Non-NEMA[®] Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA^{®†} Premium Efficient – IE3, Single Label, CORRO-DUTY[®]

(continued)


NEMA
Premium
FLC,
LCE

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
25	3600	230/460	284TS	YC25P1BS	\$4,457	DS-3CX	1.15	26.0	350	91.7	57/28.7	
	1800	230/460	284T	YC25P2B	\$3,981	DS-3CX	1.15	27.4	150	93.6	58/28.9	
	1200	230/460	324T	YC25P3B	\$6,956	DS-3CX	1.15	30.7	575	93.0	61/31	
	900	230/460	326T	YC25E4B	\$10,908	DS-3CX	1.15	30.7	645	90.2	68/34	NNP
30	3600	230/460	286TS	YC30P1BS	\$4,835	DS-3CX	1.00	26.0	410	91.7	69/34	
	1800	230/460	286T	YC30P2B	\$4,676	DS-3CX	1.15	27.4	433	93.6	69/34	
	1200	230/460	326T	YC30P3B	\$8,236	DS-3CX	1.00	30.7	685	93.0	74/37	
40	3600	230/460	324TS	YC40P1BS	\$6,466	DS-3CX	1.15	29.2	550	92.4	90/45	
	1800	230/460	324T	YC40P2B	\$6,176	DS-3CX	1.15	30.7	590	94.1	90/45	
	1200	230/460	364T	YC40P3B	\$10,863	DS-3CX	1.15	33.1	725	94.1	92/46	
50	3600	230/460	326TS	YC50P1BS	\$8,520	DS-3CX	1.00	29.2	640	93.0	114/57	
	1800	230/460	326T	YC50P2B	\$7,639	DS-3CX	1.15	30.7	650	94.5	112.0/56.0	
	1200	230/460	365T	YC50P3B	\$12,414	DS-3CX	1.00	33.1	950	94.1	115/58	
60	3600	230/460	364TS	YC60P1BS	\$12,381	DS-3CX	1.15	30.9	750	93.6	136/68	
	1800	230/460	364T	YC60P2B	\$11,342	DS-3CX	1.15	33.1	810	95.0	136/68	
	1200	230/460	404T	YC60P3B	\$14,143	DS-3CX	1.00	12.3	1100	94.5	139/70	
75	3600	230/460	365TS	YC75P1BS	\$14,435	DS-3CX	1.00	30.9	850	93.6	166/83	
	1800	230/460	365T	YC75P2B	\$14,076	DS-3CX	1.00	33.1	850	95.4	169/84	
	1200	230/460	405T	YC75P3B	\$17,169	DS-3CX	1.15	13.8	1200	94.5	177.0/88.0	
100	1800	230/460	405T	YC100P2B	\$17,179	DS-3CX	1.15	13.8	1244	95.4	225/113	

Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



Definite Purpose Automotive Duty U Frame Premium Efficient Footed



JDEN,
JDE

APPLICATIONS:

For use in automotive and process industries where "U" Frame sizes are specified. Built to meet GM7EH, Ford[®] EM-1 and Chrysler[®] NPEM-105 specifications.

FEATURES:

- Class F Insulation, 60°C Rise At Full Load
- Cast Iron Frame & End Brackets (180 Frame & Larger)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 1.15 Service Factor @ 40°C; 1.0 Service Factor @ 65°C Ambient, NEMA[®] Design B On 60 Hertz Sine Wave Power
- Regreasable Double Shielded Bearings w/"Straight-Through" Lube System (180 Frame & Up), Sealed Bearings on 56 Frame
- 85 dBA Max Sound Power Level
- Precision Balance (< 0.075 In/Sec Vib.), Lifting Provisions 180 Frame & Up
- Oversized Diagonally Split Conduit Box w/Lead Positioning Gasket (180 Frame & Up)
- Steel Fan Cover
- Field Convertible To F2 Mounting 180 Frame & Larger
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 56 & 320-360)
- Refer to Limited Warranty on Page x

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	460	182	A1P2C	\$1,049	DS-3ADE	1.15	13.1	85	88.5	1.4	28
	1200	460	184	A1P3C	\$1,281	DS-3ADE	1.15	13.1	97	87.5	1.6	28
1 1/2	3600	460	182	A32P1C	\$896	DS-3ADE	1.15	15.0	75	82.5	2.1	
	1800	460	184	A32P2C	\$1,123	DS-3ADE	1.15	13.1	146	89.5	2	28
	1200	460	184	A32P3C	\$1,413	DS-3ADE	1.15	15.0	111	88.5	2.3	
2	3600	460	184	A2P1C	\$990	DS-3ADE	1.15	15.0	85	84.0	2.7	
	1800	460	184	A2P2C	\$1,184	DS-3ADE	1.15	15.0	105	90.2	2.6	
	1200	460	213	A2P3C	\$1,566	DS-3ADE	1.15	19.6	158	90.2	3	
3	3600	460	184	A3P1C	\$1,123	DS-3ADE	1.15	15.0	100	85.5	4	
	1800	460	213	A3P2C	\$1,361	DS-3ADE	1.15	19.6	93	91.7	3.8	
	1200	460	215	A3P3C	\$1,938	DS-3ADE	1.15	19.6	300	90.2	4.3	
	900	460	254U	A3P4C	\$2,452	DS-3ADE	1.15	25.0	300	85.5	5	
5	3600	460	213	A5P1C	\$1,334	DS-3ADE	1.15	19.6	143	87.5	6.6	
	1800	460	215	A5P2C	\$1,803	DS-3ADE	1.15	19.6	166	92.4	6	
	1200	460	254U	A5P3C	\$2,698	DS-3ADE	1.15	25.0	300	91.0	6.4	
	900	460	256U	A5P4C	\$3,314	DS-3ADE	1.15	25.0	340	86.5	7.7	
7 1/2	3600	460	215	A7P1C	\$1,622	DS-3ADE	1.15	19.6	160	88.5	9.3	
	1800	460	254U	A7P2C	\$2,371	DS-3ADE	1.15	25.0	300	93.0	8.9	
	1200	460	256U	A7P3C	\$3,448	DS-3ADE	1.15	25.0	340	91.7	9.2	
	900	460	284U	A7P4C	\$4,228	DS-3ADE	1.15	27.3	380	87.5	11.1	
10	3600	460	254U	A10P1C	\$1,942	DS-3ADE	1.15	25.0	300	87.5	12.3	
	1800	460	256U	A10P2C	\$2,881	DS-3ADE	1.15	25.0	340	93.6	11.7	
	1200	460	284U	A10P3C	\$4,226	DS-3ADE	1.15	27.3	380	91.7	12.2	
	900	460	286U	A10P4C	\$4,970	DS-3ADE	1.15	27.3	400	88.5	14.4	
15	3600	460	256U	A15P1C	\$2,474	DS-3ADE	1.15	25.0	340	90.2	17.7	
	1800	460	284U	A15P2C	\$3,957	DS-3ADE	1.15	27.3	380	93.6	17.4	
	1200	460	324U	A15P3C	\$5,690	DS-3ADE	1.15	30.9	460	93.0	18.5	
	900	460	326U	A15P4C	\$6,608	DS-3ADE	1.15	30.9	510	88.5	20.5	
20	3600	460	286U	A20P1C	\$3,365	DS-3ADE	1.15	27.3	400	91.0	23.2	
	1800	460	286U	A20P2C	\$4,860	DS-3ADE	1.15	27.3	362	93.6	22.7	
	1200	460	326U	A20P3C	\$6,954	DS-3ADE	1.15	30.9	510	93.0	24.5	
	900	460	364U	A20P4C	\$8,008	DS-3ADE	1.15	33.1	744	90.2	25.7	
25	3600	460	324US	A25P1CS	\$4,317	DS-3ADE	1.15	30.9	460	91.0	29.1	
	1800	460	324U	A25P2C	\$6,083	DS-3ADE	1.15	30.9	460	93.6	28.4	
	1200	460	364U	A25P3C	\$8,396	DS-3ADE	1.15	33.1	745	94.1	29	
	900	460	365U	A25P4C	\$9,387	DS-3ADE	1.15	33.1	920	89.5	32	

Note 28 TENV Enclosure

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIP PROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY PERM. MAG. DC
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

Definite Purpose Automotive Duty U Frame Premium Efficient Footed



JDEN,
JDE

(continued)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
30	3600	460	326US	A30P1CS	\$5,207	DS-3ADE	1.15	28.6	510	91.0	35	
	1800	460	326U	A30P2C	\$7,107	DS-3ADE	1.15	30.9	510	94.5	34	
	1200	460	365U	A30P3C	\$9,501	DS-3ADE	1.15	33.1	862	94.1	35	
40	3600	460	364US	A40P1CS	\$6,796	DS-3ADE	1.15	30.4	880	91.7	46	
	1800	460	364U	A40P2C	\$9,370	DS-3ADE	1.15	33.1	880	95.0	45	
	1200	460	404U	A40P3C	\$12,237	DS-3ADE	1.15	37.5	1300	94.1	47	
50	3600	460	365US	A50P1CS	\$8,579	DS-3ADE	1.15	30.4	700	92.4	57	
	1800	460	365U	A50P2C	\$10,992	DS-3ADE	1.15	33.1	700	95.4	56	
	1200	460	405U	A50P3C	\$14,137	DS-3ADE	1.15	37.5	1200	94.5	58	
60	1800	460	405U	A60P2C	\$13,649	DS-3ADE	1.15	37.5	1164	95.0	68	
	1200	460	444U	A60P3C	\$16,597	DS-3ADE	1.15	45.9	1400	94.5	72	
75	1800	460	444U	A75P2C	\$16,834	DS-3ADE	1.15	45.9	1550	95.0	83	
	1200	460	445U	A75P3C	\$19,679	DS-3ADE	1.15	45.9	1210	94.5	89	
100	1800	460	445U	A100P2C	\$20,925	DS-3ADE	1.15	45.9	1661	95.4	111	

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Definite Purpose Direct Current Permanent Magnet



PM, SWD

APPLICATIONS:

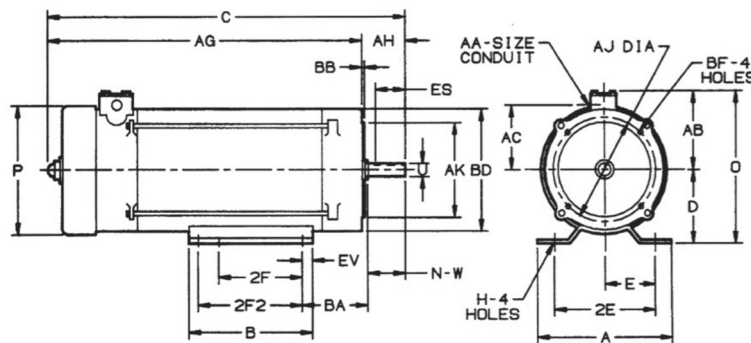
For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.

FEATURES:

- Totally Enclosed Fan Cooled / Totally Enclosed Non Vent
- NEMA[®] C-Face
- Removable Feet On Rigid Base Units
- 20:1 Constant Torque Speed Range
- 40°C Ambient
- Two Armature Leads & No Field Connections Are Required

HP	Base Speed	Top Speed	Frame	Armature Volts	Catalog Number	Type	List	Discount Symbol	Ship Wt. (lbs.)	Notes
1/4	1750	2050	56C	90	G636	PM	\$691	DS-4A	19	
1/3	1750	2050	56C	90	G637	PM	\$732	DS-4A	24	
1/2	1750	2050	56C	180	G641	PM	\$818	DS-4A	24	
	1750	2050	56C	90	G638	PM	\$818	DS-4A	23	
3/4	1750	2050	56C	180	G642	PM	\$992	DS-4A	27	
	1750	2050	56C	90	G639	PM	\$992	DS-4A	28	

DC Motor Dimensions - Permanent Magnet Motor, Totally Enclosed Fan



A	D	E	2E	2F	H	N-W	U-0.0005	AA	AJ	AK	BA	BD	BF	ES MIN	SQ KEY
6-1/2	3-1/2	2-7/16	4-7/8	3	11/32	1-7/8	5/8	1/2	5-7/8	4-1/2	2-3/4	6-1/2	3-8/16	3/16	3/16

M/N	HP	ENCLOSURE	B	C	O	P*	AB	AC	AG	AH	BB	EV
G636	1/4	TEFC	3-15/16	10-15/16	7-1/2	5-1/2	4	3	8-7/8	2-3/32	5/32	15/32
G637	1/3	TEFC	3-15/16	11-29/32	7-1/2	5-1/2	4	3	9-27/32	2-3/32	5/32	15/32
G638	1/2	TEFC	3-15/16	11-29/32	7-1/2	5-1/2	4	3	9-27/32	2-3/32	5/32	15/32
G641	1/2	TEFC	3-15/16	11-29/32	7-1/2	5-1/2	4	3	9-27/32	2-3/32	5/32	15/32
G639	3/4	TEFC	3-15/16	13-3/32	7-1/2	5-1/2	4	3	11-1/32	2-3/32	5/32	15/32
G642	3/4	TEFC	3-15/16	13-3/32	7-1/2	5-1/2	4	3	11-1/32	2-3/32	5/32	15/32
G640	1	TEFC	4-1/32	14-7/16	8-3/4	6-3/32	5-1/4	3-27/32	12-3/8	2-1/16	1/8	1/2
G643	1	TEFC	4-1/32	14-7/16	8-3/4	6-3/32	5-1/4	3-27/32	12-3/8	2-1/16	1/8	1/2

D	E	2E	2F	2F2	U-0.0005	N-W	AA	AH	AJ	AK	BB	BD	BF	EV	SQ KEY
3-1/2	2-3/4	5-1/2	4	5	7/8	2-1/4	1/2	2-1/8	5-7/8	4-1/2	1/8	6-1/2	3-8/16	1/2	3/16

FRAME	M/N	HP	A	B	C	H	O	P	AB	AC	AG	BA	ES
143/145TC	G644	1-1/2	6-7/8	6-1/32	16-15/32	11/32	8-3/4	6-3/32	5-1/4	3-27/32	14-11/32	2-1/4	3-27/32

Dimension "D" will never be exceeded, but may vary from values shown.
When exact dimensions are required, shims up to 1/32" may be necessary.
All rough casting dimensions may vary by 1/4" due to casting variations.

*Largest motor width. All dimensions in inches.

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIP-PROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY PERM. MAG. DC
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

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Produce.
Refine.
Keep it efficient.
No sweat.

Choose the motor with the industry seal of approval. U.S. MOTORS® brand API® 547 TEFC motors are engineered specifically for use in direct-coupled, continuous duty centrifugal applications typically found in the oil and gas, and petro-chemical industries.

Designed in our St. Louis-based Motor Technology Center and manufactured in Mena, AR, this all-American motor has earned the prestigious API 547 monogram.

What does this mean to you?

Your U.S. MOTORS brand API 547 has met stringent standards. Electrical and mechanical construction ensures quality, reliability and longer life. And, the API monogram is a symbol of our commitment to providing your industry products designed to reduce downtime and withstand your toughest challenges.

For more information about Nidec Motor Corporation or the U.S. MOTORS API 547 TEFC motors, visit www.nidec-motor.com or www.usmotors.com. Better yet, give us a call at 877-532-8988.

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Cooling Tower Duty Motors

For use in Cooling Tower, Evaporative Condenser, and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.



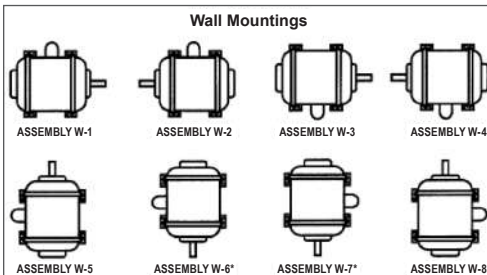
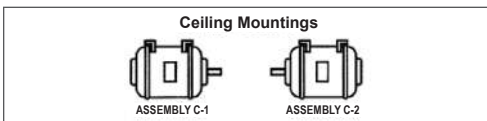
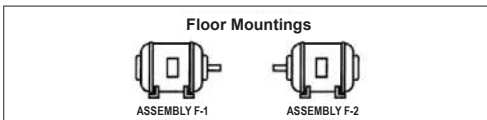
Need something special? Customization is standard with ReadyLine® Assembly!

All our Premium Efficient Cooling Tower motors are assembled to order for you with Nidec Motor Corporation's revolutionary **ReadyLine®** assembly process. With the ReadyLine® process, cooling tower motors are assembled to order from specially engineered component kits. Each motor is assembled, tested, painted, packaged and shipped using a lean process, giving you access to thousands of custom motor ratings and configurations in less time. Each motor is assembled to maximize protection for the specified mounting position and to provide options like strip heaters and thermistors. Customized motors can now be shipped in days rather than weeks. **Don't compromise your specifications for lead times anymore!**

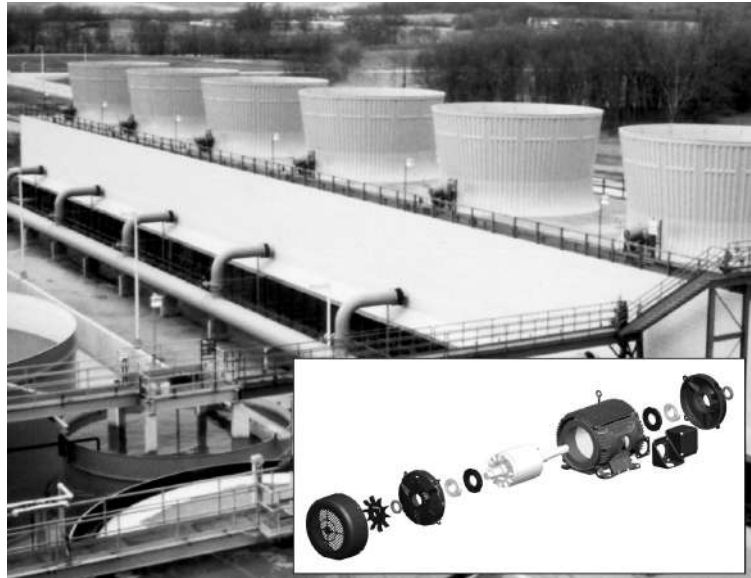
Features & Benefits:

- All single speed Premium Efficient models meet NEMA† Premium efficiency levels
- Thousands of configurations to choose from
- VBXX seal installed on "wet" end for Premium Efficient motors
- Rotor balance better than .08 in/sec on Premium Efficient motors
- Meets IEC 34-5 Classification IP55
- Inverter Duty & Two-speed models help customers meet ASHRAE Standard 90.1

Motor Mounting Assembly Guide:



* W6 and W7 available on Totally Enclosed, Air Over Only (TEAO)



All of this customization is now available to you without the usual wait for custom builds! U.S. MOTORS® brands make it easy to create the Cooling Tower Motor you need.

Step 1: Order by Horsepower, RPM, Voltage, and Frame Size from the catalog price page. Select your Catalog Number.

For Example:

2 HP, 4 Pole, 200 Volt, Inverter Duty Cooling Tower Motor, Catalog Number: HW2V2H

Step 2: Determine if you need optional accessories. Optional Accessories Include: Space Heaters, Thermistors and Shaft Grounding. List price adders are determined by frame size.

For Example:

HW2V2H is a 145 frame.

List price adder for the space heater would be \$263.

Catalog Example: HW2V2H

List Price

Base Catalog Model with F2 Assembly	\$754
Space Heater Adder (145 Frame)	\$263
Total List Price:	\$1,017

Step 3: Apply your discount symbol multiplier for this product for your net price!

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ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, Inverter Duty 10:1 (6-60 Hz Variable Torque)



CTI

APPLICATIONS:

For use in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.

FEATURES:

- INVERTER GRADE® Motors with Insulation that Exceeds the NEMA® MG-1 Part 31 Standard
- Double Dip & Bake, 100% Solids, Polyester Insulation on Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame
- Bearing Isolators on "wet" end for vertical mounting positions
- Double Sealed, same size bearings both ends
- Double Drilled Feet to Accommodate Mounting Flexibility

- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec
- NEMA® Design B Performance on 60 Hertz Sine Wave Power
- Inverter Compatible: Exceeds NEMA® MG-1 Part 31 (10:1 Variable Torque)
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

Option List Prices: Add motor & required options list prices, then use applicable multiplier to calculate net price.

Options	Frame Size								
	140	180	210	250	280	320	360	400	440
Space Heater	\$263	\$328	\$358	\$490	\$514	\$538	\$561	\$597	\$609
Thermistor	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585
Shaft Grounding	\$825	\$853	\$879	\$905	\$987	\$1,067	\$1,191	\$1,859	\$2,322

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3. List B: For mounting positions W5 & W8. *

HP	RPM	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	1800	200	145T	HW2V2H	\$754	\$843	DS-3HTL	13.1	70	86.5	6.6	
	1800	230/460	145T	HW2V2E	\$698	\$787	DS-3HTL	13.1	70	86.5	5.7/2.8	
	1800	575	145T	HW2V2G	\$803	\$892	DS-3HTL	13.1	70	86.5	2.3	
	1200	200	184T	HW2V3H	\$1,394	\$1,519	DS-3HTL	15.5	110	88.5	7.2	
	1200	230/460	184T	HW2V3E	\$1,290	\$1,415	DS-3HTL	15.5	110	88.5	6.2/3.1	
	1200	575	184T	HW2V3G	\$1,484	\$1,609	DS-3HTL	15.5	110	88.5	2.5	
3	1800	200	182T	HW3V2H	\$1,134	\$1,259	DS-3HTL	15.5	100	89.5	9.2	
	1800	230/460	182T	HW3V2E	\$1,050	\$1,175	DS-3HTL	15.5	100	89.5	7.9/3.9	
	1800	575	182T	HW3V2G	\$1,208	\$1,333	DS-3HTL	15.5	100	89.5	3.2	
	1200	200	213T	HW3V3H	\$2,097	\$2,234	DS-3HTL	19.1	160	89.5	10.1	
	1200	230/460	213T	HW3V3E	\$1,942	\$2,079	DS-3HTL	19.1	160	90.2	8.7/4.4	
	1200	575	213T	HW3V3G	\$2,234	\$2,371	DS-3HTL	19.1	160	89.5	3.5	
5	1800	200	184T	HW5V2H	\$1,183	\$1,308	DS-3HTL	15.5	110	89.5	14.4	
	1800	230/460	184T	HW5V2E	\$1,095	\$1,220	DS-3HTL	15.5	110	89.5	12.5/6.3	
	1800	575	184T	HW5V2G	\$1,260	\$1,385	DS-3HTL	15.5	110	89.5	5.0	
	1200	200	215T	HW5V3H	\$2,188	\$2,325	DS-3HTL	19.1	175	89.5	16.3	
	1200	230/460	215T	HW5V3E	\$2,026	\$2,163	DS-3HTL	19.1	175	90.2	14.0/7.0	
	1200	575V	215T	HW5V3G	\$2,330	\$2,467	DS-3HTL	19.1	175	90.2	5.6	
7 1/2	1800	200	213T	HW7V2H	\$1,629	\$1,766	DS-3HTL	19.1	160	91.7	21.1	
	1800	230/460	213T	HW7V2E	\$1,509	\$1,646	DS-3HTL	19.1	160	91.7	18.6/9.3	
	1800	575	213T	HW7V2G	\$1,734	\$1,871	DS-3HTL	19.1	160	91.7	7.5	
	1200	200	254T	HW7V3H	\$3,014	\$3,188	DS-3HTL	25.5	300	91.0	21.5	
	1200	230/460	254T	HW7V3E	\$2,791	\$2,965	DS-3HTL	25.5	300	91.0	18.6/9.3	
	1200	575	254T	HW7V3G	\$3,209	\$3,383	DS-3HTL	25.5	300	91.0	7.5	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

† All marks shown within this document are properties of their respective owners.



ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, Inverter Duty 10:1 (6-60 Hz Variable Torque)

(continued)



List A: For mounting positions F1, F2, C1, C2, W1, W2, W3. List B: For mounting positions W5 & W8. *

HP	RPM	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10	1800	200	215T	HW10V2H	\$1,929	\$2,066	DS-3HTL	19.1	175	91.7	27.3	
	1800	230/460	215T	HW10V2E	\$1,786	\$1,923	DS-3HTL	19.1	175	91.7	23.8/11.9	
	1800	575	215T	HW10V2G	\$2,053	\$2,190	DS-3HTL	19.1	175	91.7	9.6	
	1200	200	256T	HW10V3H	\$3,568	\$3,742	DS-3HTL	25.5	340	91.0	28.3	
	1200	230/460	256T	HW10V3E	\$3,304	\$3,478	DS-3HTL	25.5	340	91.7	24.5/12.3	
	1200	575	256T	HW10V3G	\$3,800	\$3,974	DS-3HTL	25.5	340	91.0	9.8	
15	1800	200	254T	HW15V2H	\$2,769	\$2,943	DS-3HTL	25.5	300	92.4	42.0	
	1800	230/460	254T	HW15V2E	\$2,563	\$2,737	DS-3HTL	25.5	300	92.4	37.0/18.4	
	1800	575	254T	HW15V2G	\$2,948	\$3,122	DS-3HTL	25.5	300	92.4	14.5	
	1200	200	284T	HW15V3H	\$5,122	\$5,343	DS-3HTL	27.0	380	91.7	43.0	
	1200	230/460	284T	HW15V3E	\$4,742	\$4,963	DS-3HTL	27.0	380	91.7	37.0/18.7	
	1200	575	284T	HW15V3G	\$5,454	\$5,675	DS-3HTL	27.0	380	91.7	14.8	
20	1800	200	256T	HW20V2H	\$3,166	\$3,340	DS-3HTL	25.5	340	93.0	54.0	
	1800	230/460	256T	HW20V2E	\$2,932	\$3,106	DS-3HTL	25.5	340	93.0	47.0/23.7	
	1800	575	256T	HW20V2G	\$3,372	\$3,546	DS-3HTL	25.5	340	93.0	19.0	
	1200	200	286T	HW20V3H	\$5,859	\$6,080	DS-3HTL	27.0	410	91.7	56.0	
	1200	230/460	286T	HW20V3E	\$5,425	\$5,646	DS-3HTL	27.0	410	91.7	49.0/24.5	
	1200	575	286T	HW20V3G	\$6,239	\$6,460	DS-3HTL	27.0	410	91.7	19.6	
25	1800	200	284T	HW25V2H	\$4,300	\$4,521	DS-3HTL	27.0	380	93.6	67.0	
	1800	230/460	284T	HW25V2E	\$3,981	\$4,202	DS-3HTL	27.0	380	93.6	60.0/29.8	
	1800	575	284T	HW25V2G	\$4,578	\$4,799	DS-3HTL	27.0	380	93.6	23.3	
	1200	200	324T	HW25V3H	\$7,954	\$8,235	DS-3HTL	31.6	600	93.0	68.0	
	1200	230/460	324T	HW25V3E	\$7,365	\$7,646	DS-3HTL	31.6	600	93.0	59.0/29.4	
	1200	575	324T	HW25V3G	\$8,470	\$8,751	DS-3HTL	31.6	600	93.0	23.5	
30	1800	200	286T	HW30V2H	\$4,540	\$4,761	DS-3HTL	27.0	410	93.6	79.0	
	1800	230/460	286T	HW30V2E	\$4,203	\$4,424	DS-3HTL	27.0	410	93.6	69.0/34.0	
	1800	575	286T	HW30V2G	\$4,834	\$5,055	DS-3HTL	27.0	410	93.6	27.6	
	1200	200	326T	HW30V3H	\$8,398	\$8,679	DS-3HTL	31.6	625	93.0	80.0	
	1200	230/460	326T	HW30V3E	\$7,776	\$8,057	DS-3HTL	31.6	625	93.0	70.0/35.0	
	1200	575	326T	HW30V3G	\$8,943	\$9,224	DS-3HTL	31.6	625	93.0	28.0	
40	1800	200	324T	HW40V2H	\$5,731	\$6,012	DS-3HTL	31.6	600	94.1	105.0	
	1800	230/460	324T	HW40V2E	\$5,307	\$5,588	DS-3HTL	31.6	600	94.1	92.0/46.0	
	1800	575	324T	HW40V2G	\$6,102	\$6,383	DS-3HTL	31.6	600	94.1	37.0	
	1200	200	364T	HW40V3H	\$10,603	\$10,913	DS-3HTL	33.6	740	94.1	107.0	
	1200	230/460	364T	HW40V3E	\$9,818	\$10,128	DS-3HTL	33.6	740	94.1	93.0/46.0	
	1200	575	364T	HW40V3G	\$11,290	\$11,600	DS-3HTL	33.6	740	94.1	37.0	
50	1800	200	326T	HW50V2H	\$6,689	\$6,970	DS-3HTL	31.6	625	94.5	129.0	
	1800	230/460	326T	HW50V2E	\$6,193	\$6,474	DS-3HTL	31.6	625	94.5	112.0/56.0	
	1800	575	326T	HW50V2G	\$7,122	\$7,403	DS-3HTL	31.6	625	94.5	45.0	
	1200	200	365T	HW50V3H	\$12,374	\$12,684	DS-3HTL	33.6	910	94.1	133.0	
	1200	230/460	365T	HW50V3E	\$11,457	\$11,767	DS-3HTL	33.6	910	94.1	116.0/58.0	
	1200	575	365T	HW50V3G	\$13,176	\$13,486	DS-3HTL	33.6	910	94.1	46.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, Inverter Duty 10:1 (6-60 Hz Variable Torque)

(continued)



CTI

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3. List B: For mounting positions W5 & W8. *

HP	RPM	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
60	1800	200	364T	HW60V2H	\$8,961	\$9,271	DS-3HTL	33.6	740	95.0	159.0	
	1800	230/460	364T	HW60V2E	\$8,297	\$8,607	DS-3HTL	33.6	740	95.0	137.0/69.0	
	1800	575	364T	HW60V2G	\$9,541	\$9,851	DS-3HTL	33.6	740	95.0	55.0	
	1200	200	404T	HW60V3H	\$16,577	\$16,996	DS-3HTL	37.7	1160	94.5	161.0	
	1200	230/460	404T	HW60V3E	\$15,349	\$15,768	DS-3HTL	37.7	1160	94.5	140.0/70.0	
	1200	575	404T	HW60V3G	\$17,652	\$18,071	DS-3HTL	37.7	1160	94.5	56.0	
75	1800	200	365T	HW75V2H	\$10,399	\$10,709	DS-3HTL	33.6	910	95.4	194.0	
	1800	230/460	365T	HW75V2E	\$9,628	\$9,938	DS-3HTL	33.6	910	95.4	169.0/84.0	
	1800	575	365T	HW75V2G	\$11,073	\$11,383	DS-3HTL	33.6	910	95.4	68.0	
	1200	200	405T	HW75V3H	\$19,238	\$19,657	DS-3HTL	37.7	1180	94.5	201.0	
	1200	230/460	405T	HW75V3E	\$17,813	\$18,232	DS-3HTL	37.7	1180	94.5	173.0/87.0	
	1200	575	405T	HW75V3G	\$20,485	\$20,904	DS-3HTL	37.7	1180	94.5	70.0	
100	1800	200	405T	HW100V2H	\$15,550	\$15,969	DS-3HTL	37.7	1180	95.4	260.0	
	1800	230/460	405T	HW100V2E	\$14,399	\$14,818	DS-3HTL	37.7	1180	95.4	225.0/113.0	
	1800	575	405T	HW100V2G	\$16,559	\$16,978	DS-3HTL	37.7	1180	95.4	90.0	
	1200	200	444T	HW100V3H	\$28,769	\$29,247	DS-3HTL	45.4	1660	95.0	284.0	
	1200	230/460	444T	HW100V3E	\$26,639	\$27,117	DS-3HTL	45.4	1660	95.0	248.0/124.0	
	1200	575	444T	HW100V3G	\$30,634	\$31,112	DS-3HTL	45.4	1660	95.0	99.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, 2 Speed, 1 Winding



APPLICATIONS:

For use in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.

FEATURES:

- Double Dip & Bake, 100% Solids, Polyester Insulation On Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame
- Bearing Isolators on "wet" end for vertical mounting positions
- Double Sealed, same size bearings both ends
- Double Drilled Feet to Accommodate Mounting Flexibility
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec
- NEMA®† Design B Performance on 60 Hertz Sine Wave Power
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment

Option List Prices: Add motor & required options list prices, then use applicable multiplier to calculate net price.

Options	Frame Size								
	140	180	210	250	280	320	360	400	440
Space Heater	\$263	\$328	\$358	\$490	\$514	\$538	\$561	\$597	\$609
Thermistor	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585
Shaft Grounding	\$825	\$853	\$879	\$905	\$987	\$1,067	\$1,191	\$1,859	\$2,322

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5 & W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2 / 1/2	1800/900(1)	200	145T	HW2PL9H	\$1,016	\$1,105	DS-3HTL	13.1	70	82.5	4.1/6.5	
	1800/900(1)	460	145T	HW2PL9C	\$941	\$1,030	DS-3HTL	13.1	70	84.0	1.8/2.8	
	1800/900(1)	575	145T	HW2PL9G	\$1,083	\$1,172	DS-3HTL	13.1	70	84.0	1.4/2.2	
	1200/600(1)	200	213T	HW2PL36H	\$1,658	\$1,795	DS-3HTL	19.1	160	86.5	4.7/7.2	
	1200/600(1)	460	213T	HW2PL36C	\$1,535	\$1,672	DS-3HTL	19.1	160	84.0	2.0/3.1	
	1200/600(1)	575	213T	HW2PL36G	\$1,765	\$1,902	DS-3HTL	19.1	160	86.5	1.6/2.5	
3 / 3/4	1800/900(1)	200	182T	HW3PL9H	\$1,531	\$1,656	DS-3HTL	15.5	100	86.5	4.0/9.7	
	1800/900(1)	460	182T	HW3PL9C	\$1,418	\$1,543	DS-3HTL	15.5	100	85.5	1.8/4.5	
	1800/900(1)	575	182T	HW3PL9G	\$1,630	\$1,755	DS-3HTL	15.5	100	84.0	1.5/3.5	
	1200/600(1)	200	215T	HW3PL36H	\$2,495	\$2,632	DS-3HTL	19.1	175	85.5	5.3/9.7	
	1200/600(1)	460	215T	HW3PL36C	\$2,310	\$2,447	DS-3HTL	19.1	175	85.5	2.3/4.2	
	1200/600(1)	575	215T	HW3PL36G	\$2,656	\$2,793	DS-3HTL	19.1	175	85.5	1.8/3.4	
5 / 1 1/4	1800/900(1)	200	184T	HW5PL9H	\$1,597	\$1,722	DS-3HTL	15.5	110	86.5	5.5/16.2	
	1800/900(1)	460	184T	HW5PL9C	\$1,479	\$1,604	DS-3HTL	15.5	110	86.5	2.6/6.6	
	1800/900(1)	575	184T	HW5PL9G	\$1,701	\$1,826	DS-3HTL	15.5	110	86.5	2.0/5.2	
	1200/600(1)	200	254T	HW5PL36H	\$2,603	\$2,777	DS-3HTL	25.5	300	87.5	8.5/17.7	
	1200/600(1)	460	254T	HW5PL36C	\$2,409	\$2,583	DS-3HTL	25.5	300	87.5	3.5/7.3	
	1200/600(1)	575	254T	HW5PL36G	\$2,771	\$2,945	DS-3HTL	25.5	300	87.5	2.8/5.9	
7 1/2 / 1 7/8	1800/900(1)	200	213T	HW7PL9H	\$2,199	\$2,336	DS-3HTL	19.1	160	87.5	8.9/23.6	
	1800/900(1)	460	213T	HW7PL9C	\$2,037	\$2,174	DS-3HTL	19.1	160	88.5	3.6/9.5	
	1800/900(1)	575	213T	HW7PL9G	\$2,342	\$2,479	DS-3HTL	19.1	160	87.5	2.8/7.5	
	1200/600(1)	200	256T	HW7PL36H	\$3,585	\$3,759	DS-3HTL	25.5	340	90.2	14.9/23.4	
	1200/600(1)	460	256T	HW7PL36C	\$3,319	\$3,493	DS-3HTL	25.5	340	90.2	7.7/11.0	
	1200/600(1)	575	256T	HW7PL36G	\$3,816	\$3,990	DS-3HTL	25.5	340	90.2	6.1/8.8	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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GENERAL PURPOSE 841 PLUS™
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GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, 2 Speed, 1 Winding



CTE

(continued)

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5 & W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10 / 2 1/2	1800/900(1)	200	215T	HW10PL9H	\$2,604	\$2,741	DS-3HTL	19.1	175	88.5	10.8/28.4	
	1800/900(1)	460	215T	HW10PL9C	\$2,410	\$2,547	DS-3HTL	19.1	175	89.5	4.8/12.5	
	1800/900(1)	575	215T	HW10PL9G	\$2,772	\$2,909	DS-3HTL	19.1	175	90.2	3.8/9.9	
	1200/600(1)	200	284T	HW10PL36H	\$4,243	\$4,464	DS-3HTL	27.0	380	87.5	14.5/40.0	
	1200/600(1)	460	284T	HW10PL36C	\$3,929	\$4,150	DS-3HTL	27.0	380	89.5	5.8/14.8	
	1200/600(1)	575	284T	HW10PL36G	\$4,517	\$4,738	DS-3HTL	27.0	380	89.5	4.5/11.5	
15 / 3 3/4	1800/900(1)	200	254T	HW15PL9H	\$3,737	\$3,911	DS-3HTL	25.5	300	91.0	16.8/43.0	
	1800/900(1)	460	254T	HW15PL9C	\$3,460	\$3,634	DS-3HTL	25.5	300	91.0	7.7/19.3	
	1800/900(1)	575	254T	HW15PL9G	\$3,980	\$4,154	DS-3HTL	25.5	300	91.0	6.2/15.4	
	1200/600(1)	200	286T	HW15PL36H	\$6,090	\$6,311	DS-3HTL	27.0	410	90.2	21.8/43.0	
	1200/600(1)	460	286T	HW15PL36C	\$5,639	\$5,860	DS-3HTL	27.0	410	90.2	7.6/18.9	
	1200/600(1)	575	286T	HW15PL36G	\$6,485	\$6,706	DS-3HTL	27.0	410	91.0	10.0/16.0	
20 / 5	1800/900(1)	200	256T	HW20PL9H	\$4,275	\$4,449	DS-3HTL	25.5	340	91.0	19.9/56.0	
	1800/900(1)	460	256T	HW20PL9C	\$3,958	\$4,132	DS-3HTL	25.5	340	91.0	9.1/24.1	
	1800/900(1)	575	256T	HW20PL9G	\$4,552	\$4,726	DS-3HTL	25.5	340	91.0	7.2/19.2	
	1200/600(1)	200	324T	HW20PL36H	\$6,967	\$7,248	DS-3HTL	30.6	600	91.0	20.6/55.0	
	1200/600(1)	460	324T	HW20PL36C	\$6,451	\$6,732	DS-3HTL	30.6	600	90.2	9.1/24.1	
	1200/600(1)	575	324T	HW20PL36G	\$7,419	\$7,700	DS-3HTL	30.6	600	89.5	7.2/19.5	
25 / 6 1/4	1800/900(1)	200	286T	HW25PL9H	\$5,805	\$6,026	DS-3HTL	27.0	410	92.4	25.5/68.0	
	1800/900(1)	460	286T	HW25PL9C	\$5,375	\$5,596	DS-3HTL	27.0	410	92.4	11.1/29.6	
	1800/900(1)	575	286T	HW25PL9G	\$6,180	\$6,401	DS-3HTL	27.0	410	92.4	9.0/23.8	
	1200/600(1)	200	326T	HW25PL36H	\$9,459	\$9,740	DS-3HTL	30.6	625	91.0	34.0/70.0	
	1200/600(1)	460	326T	HW25PL36C	\$8,759	\$9,040	DS-3HTL	30.6	625	91.7	15.6/30.0	
	1200/600(1)	575	326T	HW25PL36G	\$10,072	\$10,353	DS-3HTL	30.6	625	91.7	12.1/24.3	
30 / 7 1/2	1800/900(1)	200	324T	HW30PL9H	\$6,129	\$6,410	DS-3HTL	30.6	600	91.7	28.7/81.0	
	1800/900(1)	460	324T	HW30PL9C	\$5,675	\$5,956	DS-3HTL	30.6	600	92.4	12.8/35.0	
	1800/900(1)	575	324T	HW30PL9G	\$6,525	\$6,806	DS-3HTL	30.6	600	93.0	10.6/28.0	
	1200/600(1)	200	364T	HW30PL36H	\$9,987	\$10,297	DS-3HTL	32.6	740	92.4	32.0/91.0	
	1200/600(1)	460	364T	HW30PL36C	\$9,247	\$9,557	DS-3HTL	32.6	740	92.4	14.0/41.0	
	1200/600(1)	575	364T	HW30PL36G	\$10,634	\$10,944	DS-3HTL	32.6	740	92.4	11.3/33.0	
40 / 10	1800/900(1)	200	326T	HW40PL9H	\$7,738	\$8,019	DS-3HTL	30.6	625	93.0	39.0/106.0	
	1800/900(1)	460	326T	HW40PL9C	\$7,164	\$7,445	DS-3HTL	30.6	625	93.0	16.7/46.0	
	1800/900(1)	575	326T	HW40PL9G	\$8,239	\$8,520	DS-3HTL	30.6	625	92.4	13.3/37.0	
	1200/600(1)	200	364T	HW40PL36H	\$12,610	\$12,920	DS-3HTL	32.6	740	91.7	41.0/126.0	
	1200/600(1)	460	364T	HW40PL36C	\$11,676	\$11,986	DS-3HTL	32.6	740	91.7	18.0/54.0	
	1200/600(1)	575	364T	HW40PL36G	\$13,427	\$13,737	DS-3HTL	32.6	740	91.0	14.3/43.0	
50 / 12 1/2	1800/900(1)	200	364T	HW50PL9H	\$9,030	\$9,340	DS-3HTL	32.6	740	93.6	45.0/136.0	
	1800/900(1)	460	364T	HW50PL9C	\$8,361	\$8,671	DS-3HTL	32.6	740	93.6	21.3/59.0	
	1800/900(1)	575	364T	HW50PL9G	\$9,615	\$9,925	DS-3HTL	32.6	740	93.6	15.7/47.0	
	1200/600(1)	200	365T	HW50PL36H	\$14,716	\$15,026	DS-3HTL	33.6	910	92.4	55.0/144.0	
	1200/600(1)	460	365T	HW50PL36C	\$13,625	\$13,935	DS-3HTL	33.6	910	93.0	22.9/60.0	
	1200/600(1)	575	365T	HW50PL36G	\$15,669	\$15,979	DS-3HTL	33.6	910	92.4	18.3/49.0	
60 / 15	1800/900(1)	200	365T	HW60PL9H	\$12,096	\$12,406	DS-3HTL	33.6	910	92.4	61.0/169.0	
	1800/900(1)	460	365T	HW60PL9C	\$11,200	\$11,510	DS-3HTL	33.6	910	94.1	24.9/69.0	
	1800/900(1)	575	365T	HW60PL9G	\$12,881	\$13,191	DS-3HTL	33.6	910	94.1	20.0/55.0	
	1200/600(1)	200	405T	HW60PL36H	\$19,713	\$20,132	DS-3HTL	37.7	1180	93.6	63.0/164.0	
	1200/600(1)	460	405T	HW60PL36C	\$18,252	\$18,671	DS-3HTL	37.7	1180	94.1	29.0/72.0	
	1200/600(1)	575	405T	HW60PL36G	\$20,990	\$21,409	DS-3HTL	37.7	1180	94.1	23.0/58.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

† All marks shown within this document are properties of their respective owners.



ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, 2 Speed, 1 Winding



(continued)

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5 & W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
75 / 18 3/4	1800/900(1)	200	405T	HW75PL9H	\$14,038	\$14,457	DS-3HTL	37.7	1180	93.6	69.0/198.0	
	1800/900(1)	460	405T	HW75PL9C	\$12,998	\$13,417	DS-3HTL	37.7	1180	94.1	31.0/86.0	
	1800/900(1)	575	405T	HW75PL9G	\$14,948	\$15,367	DS-3HTL	37.7	1180	94.1	24.3/69.0	
	1200/600(1)	200	444T	HW75PL36H	\$22,877	\$23,355	DS-3HTL	45.4	1660	92.4	74.0/204.0	
	1200/600(1)	460	444T	HW75PL36C	\$21,182	\$21,660	DS-3HTL	45.4	1660	93.0	33.0/89.0	
	1200/600(1)	575	444T	HW75PL36G	\$24,360	\$24,838	DS-3HTL	45.4	1660	92.4	26.4/72.0	
100 / 25	1800/900(1)	200	444T	HW100PL9H	\$20,994	\$21,472	DS-3HTL	45.4	1660	93.6	88.0/262.0	
	1800/900(1)	460	444T	HW100PL9C	\$19,438	\$19,916	DS-3HTL	45.4	1660	93.6	39.0/115.0	
	1800/900(1)	575	444T	HW100PL9G	\$22,354	\$22,832	DS-3HTL	45.4	1660	93.6	32.0/92.0	
	1200/600(1)	200	445T	HW100PL36H	\$34,212	\$34,690	DS-3HTL	45.4	1700	94.1	129.0/296.0	
	1200/600(1)	460	445T	HW100PL36C	\$31,678	\$32,156	DS-3HTL	45.4	1700	94.1	55.0/127.0	
	1200/600(1)	575	445T	HW100PL36G	\$36,429	\$36,907	DS-3HTL	45.4	1700	94.1	46.0/104.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 84 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, 2 Speed, 2 Winding 2-100 HP

APPLICATIONS:

For use in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.



CTE

FEATURES:

- Double Dip & Bake, 100% Solids, Polyester Insulation On Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame
- Bearing Isolators on "wet" end for vertical mounting positions
- Double Sealed, same size bearings both ends
- Double Drilled Feet to Accommodate Mounting Flexibility
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec
- NEMA® Design B Performance on 60 Hertz Sine Wave Power
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment

Option List Prices: Add motor & required options list prices, then use applicable multiplier to calculate net price.

Options	Frame Size								
	140	180	210	250	280	320	360	400	440
Space Heater	\$263	\$328	\$358	\$490	\$514	\$538	\$561	\$597	\$609
Thermistor	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585
Shaft Grounding	\$825	\$853	\$879	\$905	\$987	\$1,067	\$1,191	\$1,859	\$2,322

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5 & W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2 (1/2)	1800/900(2)	200	184T	HW2PK9H	\$1,658	\$1,783	DS-3HTL	15.5	110	84.0	3.5/7.0	
	1800/900(2)	460	184T	HW2PK9C	\$1,535	\$1,660	DS-3HTL	15.5	110	84.0	1.7/3.4	
	1800/900(2)	575	184T	HW2PK9G	\$1,765	\$1,890	DS-3HTL	15.5	110	84.0	1.4/2.7	
	1200/600(2)	200	215T	HW2PK36H	\$2,298	\$2,435	DS-3HTL	19.1	175	82.5	5.0/8.3	
	1200/600(2)	460	215T	HW2PK36C	\$2,127	\$2,264	DS-3HTL	19.1	175	82.5	5.0/8.3	
	1200/600(2)	575	215T	HW2PK36G	\$2,446	\$2,583	DS-3HTL	19.1	175	82.5	1.8/2.8	
3 (3/4)	1800/900(2)	200	213T	HW3PK9H	\$2,495	\$2,632	DS-3HTL	19.1	160	87.5	9.3/9.2	
	1800/900(2)	460	213T	HW3PK9C	\$2,310	\$2,447	DS-3HTL	19.1	160	86.5	4.3/4.4	
	1800/900(2)	575	213T	HW3PK9G	\$2,656	\$2,793	DS-3HTL	19.1	160	86.5	3.5/3.5	
	1200/600(2)	200	254T	HW3PK36H	\$3,458	\$3,632	DS-3HTL	25.5	300	86.5	4.3/10.3	
	1200/600(2)	460	254T	HW3PK36C	\$3,202	\$3,376	DS-3HTL	25.5	300	85.5	2.1/4.3	
	1200/600(2)	575	254T	HW3PK36G	\$3,682	\$3,856	DS-3HTL	25.5	300	85.5	1.7/3.4	
5 (1-1/4)	1800/900(2)	200	215T	HW5PK9H	\$2,603	\$2,740	DS-3HTL	19.1	175	88.5	6.9/14.7	
	1800/900(2)	460	215T	HW5PK9C	\$2,409	\$2,546	DS-3HTL	19.1	175	87.5	4.3/6.6	
	1800/900(2)	575	215T	HW5PK9G	\$2,771	\$2,908	DS-3HTL	19.1	175	87.5	2.8/5.4	
	1200/600(2)	200	256T	HW5PK36H	\$3,608	\$3,782	DS-3HTL	25.5	340	86.5	8.1/16.4	
	1200/600(2)	460	256T	HW5PK36C	\$3,341	\$3,515	DS-3HTL	25.5	340	86.5	4.1/8.6	
	1200/600(2)	575	256T	HW5PK36G	\$3,841	\$4,015	DS-3HTL	25.5	340	86.5	3.1/6.8	
7 1/2 (1-7/8)	1800/900(2)	200	254T	HW7PK9H	\$3,585	\$3,759	DS-3HTL	25.5	300	91.0	8.8/21.8	
	1800/900(2)	460	254T	HW7PK9C	\$3,319	\$3,493	DS-3HTL	25.5	300	91.0	3.8/9.5	
	1800/900(2)	575	254T	HW7PK9G	\$3,816	\$3,990	DS-3HTL	25.5	300	91.0	2.9/7.5	
	1200/600(2)	200	284T	HW7PK36H	\$4,969	\$5,190	DS-3HTL	27.0	380	88.5	12.4/26.8	
	1200/600(2)	460	284T	HW7PK36C	\$4,601	\$4,822	DS-3HTL	27.0	380	87.5	5.7/12.2	
	1200/600(2)	575	284T	HW7PK36G	\$5,291	\$5,512	DS-3HTL	27.0	380	86.5	4.7/10.3	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

† All marks shown within this document are properties of their respective owners.



ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, 2 Speed, 2 Winding 2-100 HP

(continued)



CTE

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5 & W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10 (2-1/2)	1800/900(2)	200	256T	HW10PK9H	\$4,243	\$4,417	DS-3HTL	25.5	340	91.0	12.1/27.6	
	1800/900(2)	460	256T	HW10PK9C	\$3,929	\$4,103	DS-3HTL	25.5	340	91.0	5.2/12.0	
	1800/900(2)	575	256T	HW10PK9G	\$4,517	\$4,691	DS-3HTL	25.5	340	91.7	4.1/9.8	
	1200/600(2)	200	286T	HW10PK36H	\$5,883	\$6,104	DS-3HTL	27.0	410	88.5	12.6/30.0	
	1200/600(2)	460	286T	HW10PK36C	\$5,447	\$5,668	DS-3HTL	27.0	410	89.5	7.1/15.0	
	1200/600(2)	575	286T	HW10PK36G	\$6,264	\$6,485	DS-3HTL	27.0	410	89.5	5.5/11.3	
15 (3-3/4)	1800/900(2)	200	284T	HW15PK9H	\$6,090	\$6,311	DS-3HTL	27.0	380	91.0	15.9/44.0	
	1800/900(2)	460	284T	HW15PK9C	\$5,639	\$5,860	DS-3HTL	27.0	380	92.4	7.6/18.9	
	1800/900(2)	575	284T	HW15PK9G	\$6,485	\$6,706	DS-3HTL	27.0	380	92.4	5.6/14.8	
	1200/600(2)	200	324T	HW15PK36H	\$8,444	\$8,725	DS-3HTL	30.6	600	89.5	17.4/44.0	
	1200/600(2)	460	324T	HW15PK36C	\$7,818	\$8,099	DS-3HTL	30.6	600	88.5	7.5/19.0	
	1200/600(2)	575	324T	HW15PK36G	\$8,991	\$9,272	DS-3HTL	30.6	600	89.5	5.9/15.0	
20 (5)	1800/900(2)	200	286T	HW20PK9H	\$6,967	\$7,188	DS-3HTL	27.0	410	92.4	20.4/56.0	
	1800/900(2)	460	286T	HW20PK9C	\$6,451	\$6,672	DS-3HTL	27.0	410	92.4	8.9/24.3	
	1800/900(2)	575	286T	HW20PK9G	\$7,419	\$7,640	DS-3HTL	27.0	410	91.7	7.7/20.4	
	1200/600(2)	200	326T	HW20PK36H	\$9,659	\$9,940	DS-3HTL	30.6	625	90.2	24.2/62.0	
	1200/600(2)	460	326T	HW20PK36C	\$8,944	\$9,225	DS-3HTL	30.6	625	90.2	10.7/26.3	
	1200/600(2)	575	326T	HW20PK36G	\$10,285	\$10,566	DS-3HTL	30.6	625	89.5	8.4/20.4	
25 / (6-1/4)	1800/900(2)	200	324T	HW25PK9H	\$9,459	\$9,740	DS-3HTL	30.6	600	91.7	28.1/71.0	
	1800/900(2)	460	324T	HW25PK9C	\$8,759	\$9,040	DS-3HTL	30.6	600	91.7	11.0/31.0	
	1800/900(2)	575	324T	HW25PK9G	\$10,072	\$10,353	DS-3HTL	30.6	600	92.4	8.3/24.0	
	1200/600(2)	200	364T	HW25PK36H	\$13,114	\$13,424	DS-3HTL	33.6	740	92.4	31.0/72.0	
	1200/600(2)	460	364T	HW25PK36C	\$12,143	\$12,453	DS-3HTL	33.6	740	91.0	13.1/35.0	
	1200/600(2)	575	364T	HW25PK36G	\$13,963	\$14,273	DS-3HTL	33.6	740	91.0	11.0/26.8	
30 (7-1/2)	1800/900(2)	200	326T	HW30PK9H	\$9,987	\$10,268	DS-3HTL	30.6	625	92.4	30.0/81.0	
	1800/900(2)	460	326T	HW30PK9C	\$9,247	\$9,528	DS-3HTL	30.6	625	93.6	15.2/36.0	
	1800/900(2)	575	326T	HW30PK9G	\$10,634	\$10,915	DS-3HTL	30.6	625	93.0	11.4/29.3	
	1200/600(2)	200	365T	HW30PK36H	\$13,846	\$14,156	DS-3HTL	33.6	910	91.7	32.0/86.0	
	1200/600(2)	460	365T	HW30PK36C	\$12,820	\$13,130	DS-3HTL	33.6	910	91.0	14.4/37.0	
	1200/600(2)	575	365T	HW30PK36G	\$14,743	\$15,053	DS-3HTL	33.6	910	91.0	11.8/32.0	
40 (10)	1800/900(2)	200	364T	HW40PK9H	\$12,610	\$12,920	DS-3HTL	33.6	740	92.4	38.0/118.0	
	1800/900(2)	460	364T	HW40PK9C	\$11,676	\$11,986	DS-3HTL	33.6	740	93.0	18.5/50.0	
	1800/900(2)	575	364T	HW40PK9G	\$13,427	\$13,737	DS-3HTL	33.6	740	93.0	15.2/40.0	
	1200/600(2)	200	404T	HW40PK36H	\$17,481	\$17,900	DS-3HTL	37.7	1160	91.7	45.0/127.0	
	1200/600(2)	460	404T	HW40PK36C	\$16,186	\$16,605	DS-3HTL	37.7	1160	90.2	18.9/51.0	
	1200/600(2)	575	404T	HW40PK36G	\$18,614	\$19,033	DS-3HTL	37.7	1160	91.7	15.8/42.0	
50 (12-1/2)	1800/900(2)	200	365T	HW50PK9H	\$14,716	\$15,026	DS-3HTL	33.6	910	93.6	47.0/136.0	
	1800/900(2)	460	365T	HW50PK9C	\$13,625	\$13,935	DS-3HTL	33.6	910	94.5	22.5/58.0	
	1800/900(2)	575	365T	HW50PK9G	\$15,669	\$15,979	DS-3HTL	33.6	910	94.5	17.5/46.0	
	1200/600(2)	200	405T	HW50PK36H	\$20,400	\$20,819	DS-3HTL	37.7	1180	93.0	59.0/146.0	
	1200/600(2)	460	405T	HW50PK36C	\$18,889	\$19,308	DS-3HTL	37.7	1180	92.4	26.7/63.0	
	1200/600(2)	575	405T	HW50PK36G	\$21,722	\$22,141	DS-3HTL	37.7	1180	92.4	22.2/51.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRAINPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Fan Cooled (TEFC) Premium Efficient, 2 Speed, 2 Winding 2-100 HP

(continued)



CTE

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5 & W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
60 (15)	1800/900(2)	200	405T	HW60PK9H	\$19,713	\$20,132	DS-3HTL	37.7	1180	94.1	58.0/170.0	
	1800/900(2)	460	405T	HW60PK9C	\$18,252	\$18,671	DS-3HTL	37.7	1180	94.1	26.6/74.0	
	1800/900(2)	575	405T	HW60PK9G	\$20,990	\$21,409	DS-3HTL	37.7	1180	94.1	22.2/59.0	
	1200/600(2)	200	444T	HW60PK36H	\$27,329	\$27,807	DS-3HTL	45.4	1660	91.7	61.0/180.0	
	1200/600(2)	460	444T	HW60PK36C	\$25,304	\$25,782	DS-3HTL	45.4	1660	91.0	28.0/77.0	
	1200/600(2)	575	444T	HW60PK36G	\$29,100	\$29,578	DS-3HTL	45.4	1660	91.0	22.9/64.0	
75 (18-3/4)	1800/900(2)	200	405T	HW75PK9H	\$22,877	\$23,296	DS-3HTL	37.7	1180	94.5	74.0/205.0	
	1800/900(2)	460	405T	HW75PK9C	\$21,182	\$21,601	DS-3HTL	37.7	1180	94.5	31.0/89.0	
	1800/900(2)	575	405T	HW75PK9G	\$24,360	\$24,779	DS-3HTL	37.7	1180	94.5	25.2/71.0	
	1200/600(2)	200	445T	HW75PK36H	\$31,716	\$32,194	DS-3HTL	45.4	1700	93.6	91.0/255.0	
	1200/600(2)	460	445T	HW75PK36C	\$29,367	\$29,845	DS-3HTL	45.4	1700	93.6	42.0/105.0	
	1200/600(2)	575	445T	HW75PK36G	\$33,772	\$34,250	DS-3HTL	45.4	1700	93.6	35.0/89.0	
100 (25)	1800/900(2)	200	445T	HW100PK9H	\$34,212	\$34,690	DS-3HTL	45.4	1700	94.5	90.0/280.0	
	1800/900(2)	460	445T	HW100PK9C	\$31,678	\$32,156	DS-3HTL	45.4	1700	94.1	38.0/115.0	
	1800/900(2)	575	445T	HW100PK9G	\$36,429	\$36,907	DS-3HTL	45.4	1700	94.5	32.0/94.0	
	1200/600(2)	200	447T	HW100PK36H	\$47,430	\$47,908	DS-3HTL	48.9	2025	93.0	144.0/304.0	
	1200/600(2)	460	447T	HW100PK36C	\$43,917	\$44,395	DS-3HTL	48.9	2025	93.6	66.0/139.0	
	1200/600(2)	575	447T	HW100PK36G	\$50,505	\$50,983	DS-3HTL	48.9	2025	93.0	55.0/112.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

† All marks shown within this document are properties of their respective owners.



ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

APPLICATIONS:

For use directly in the airstream in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity. Air velocities per page.



CTNI

FEATURES:

- Double Dip & Bake, 100% Solids, Polyester Insulation On Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame
- Bearing Isolators on "wet" end for vertical mounting positions
- Double Sealed, same size bearings both ends
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec
- NEMA® Design B Performance on 60 Hertz Sine Wave Power
- Inverter Compatible: Exceeds NEMA® MG-1 Part 31 (10:1 Variable Torque)
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment

Option List Prices: Add motor & required options list prices, then use applicable multiplier to calculate net price.

Options	Frame Size								
	140	180	210	250	280	320	360	400	440
Space Heater	\$263	\$328	\$358	\$490	\$514	\$538	\$561	\$597	\$609
Thermistor	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585
Shaft Grounding	\$825	\$853	\$879	\$905	\$987	\$1,067	\$1,191	\$1,859	\$2,322

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP	RPM	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	1800	200	145T	HVW2V2H	\$776	\$865	DS-3HTL	11.1	70	86.5	6.6	
	1800	230/460	145T	HVW2V2E	\$719	\$808	DS-3HTL	11.1	70	86.5	5.7/2.9	
	1800	575	145T	HVW2V2G	\$827	\$916	DS-3HTL	11.1	70	86.5	2.3	
	1200	200	184T	HVW2V3H	\$1,436	\$1,561	DS-3HTL	13.7	110	88.5	7.2	
	1200	230/460	184T	HVW2V3E	\$1,329	\$1,454	DS-3HTL	13.7	110	88.5	6.2/3.1	
	1200	575	184T	HVW2V3G	\$1,529	\$1,654	DS-3HTL	13.7	110	88.5	2.5	
3	1800	200	182T	HVV3V2H	\$1,168	\$1,293	DS-3HTL	13.7	100	89.5	9.2	
	1800	230/460	182T	HVV3V2E	\$1,081	\$1,206	DS-3HTL	13.7	100	89.5	7.9/3.9	
	1800	575	182T	HVV3V2G	\$1,243	\$1,368	DS-3HTL	13.7	100	89.5	3.2	
	1200	200	213T	HVV3V3H	\$2,161	\$2,298	DS-3HTL	16.3	160	89.5	10.1	
	1200	230/460	213T	HVV3V3E	\$2,001	\$2,138	DS-3HTL	16.3	160	90.2	8.7/4.4	
	1200	575	213T	HVV3V3G	\$2,301	\$2,438	DS-3HTL	16.3	160	89.5	3.5	
5	1800	200	184T	HVV5V2H	\$1,218	\$1,343	DS-3HTL	13.7	110	89.5	14.4	
	1800	230/460	184T	HVV5V2E	\$1,129	\$1,254	DS-3HTL	13.7	110	89.5	12.5/6.3	
	1800	575	184T	HVV5V2G	\$1,297	\$1,422	DS-3HTL	13.7	110	89.5	5.0	
	1200	200	215T	HVV5V3H	\$2,254	\$2,391	DS-3HTL	16.3	175	90.2	16.2	
	1200	230/460	215T	HVV5V3E	\$2,087	\$2,224	DS-3HTL	16.3	175	90.2	14.0/7.0	
	1200	575	215T	HVV5V3G	\$2,400	\$2,537	DS-3HTL	16.3	175	90.2	5.6	
7 1/2	1800	200	213T	HVV7V2H	\$1,678	\$1,815	DS-3HTL	16.3	160	91.7	21.1	
	1800	230/460	213T	HVV7V2E	\$1,554	\$1,691	DS-3HTL	16.3	160	91.7	18.5/9.3	
	1800	575	213T	HVV7V2G	\$1,787	\$1,924	DS-3HTL	16.3	160	91.7	7.5	
	1200	200	254T	HVV7V3H	\$3,104	\$3,278	DS-3HTL	22.1	300	91.0	21.5	
	1200	230/460	254T	HVV7V3E	\$2,875	\$3,049	DS-3HTL	22.1	300	91.0	18.6/9.3	
	1200	575	254T	HVV7V3G	\$3,306	\$3,480	DS-3HTL	22.1	300	91.0	7.5	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRAINPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

(continued)



CTNI

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP	RPM	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10	1800	200	215T	HVV10V2H	\$1,986	\$2,123	DS-3HTL	16.3	175	91.7	27.3	
	1800	230/460	215T	HVV10V2E	\$1,839	\$1,976	DS-3HTL	16.3	175	91.7	23.8/11.9	
	1800	575	215T	HVV10V2G	\$2,115	\$2,252	DS-3HTL	16.3	175	91.7	9.6	
	1200	200	256T	HVV10V3H	\$3,675	\$3,849	DS-3HTL	22.1	340	91.0	28.3	
	1200	230/460	256T	HVV10V3E	\$3,403	\$3,577	DS-3HTL	22.1	340	91.7	24.5/12.3	
	1200	575	256T	HVV10V3G	\$3,913	\$4,087	DS-3HTL	22.1	340	91.0	9.8	
15	1800	200	254T	HVV15V2H	\$2,851	\$3,025	DS-3HTL	22.1	300	92.4	42.0	
	1800	230/460	254T	HVV15V2E	\$2,640	\$2,814	DS-3HTL	22.1	300	92.4	37.0/18.4	
	1800	575	254T	HVV15V2G	\$3,036	\$3,210	DS-3HTL	22.1	300	92.4	14.4	
	1200	200	284T	HVV15V3H	\$5,275	\$5,496	DS-3HTL	24.8	380	91.7	43.0	
	1200	230/460	284T	HVV15V3E	\$4,884	\$5,105	DS-3HTL	24.8	380	91.7	37.0/18.6	
	1200	575	284T	HVV15V3G	\$5,617	\$5,838	DS-3HTL	24.8	380	91.7	14.8	
20	1800	200	256T	HVV20V2H	\$3,262	\$3,436	DS-3HTL	22.1	340	93.0	54.0	
	1800	230/460	256T	HVV20V2E	\$3,021	\$3,195	DS-3HTL	22.1	340	93.0	47.0/23.7	
	1800	575	256T	HVV20V2G	\$3,473	\$3,647	DS-3HTL	22.1	340	93.0	19.1	
	1200	200	286T	HVV20V3H	\$6,034	\$6,255	DS-3HTL	24.8	410	91.7	56.0	
	1200	230/460	286T	HVV20V3E	\$5,588	\$5,809	DS-3HTL	24.8	410	91.7	49.0/24.5	
	1200	575	286T	HVV20V3G	\$6,426	\$6,647	DS-3HTL	24.8	410	91.7	19.6	
25	1800	200	284T	HVV25V2H	\$4,429	\$4,650	DS-3HTL	24.8	380	93.6	67.0	
	1800	230/460	284T	HVV25V2E	\$4,101	\$4,322	DS-3HTL	24.8	380	93.6	60.0/29.8	
	1800	575	284T	HVV25V2G	\$4,716	\$4,937	DS-3HTL	24.8	380	93.6	23.3	
	1200	200	324T	HVV25V3H	\$8,193	\$8,474	DS-3HTL	28.3	600	93.0	68.0	
	1200	230/460	324T	HVV25V3E	\$7,586	\$7,867	DS-3HTL	28.3	600	93.0	59.0/29.3	
	1200	575	324T	HVV25V3G	\$8,724	\$9,005	DS-3HTL	28.3	600	93.0	23.6	
30	1800	200	286T	HVV30V2H	\$4,676	\$4,897	DS-3HTL	24.8	410	93.6	79.0	
	1800	230/460	286T	HVV30V2E	\$4,330	\$4,551	DS-3HTL	24.8	410	93.6	69.0/34.0	
	1800	575	286T	HVV30V2G	\$4,978	\$5,199	DS-3HTL	24.8	410	93.6	27.6	
	1200	200	326T	HVV30V3H	\$8,650	\$8,931	DS-3HTL	28.3	625	93.0	80.0	
	1200	230/460	326T	HVV30V3E	\$8,009	\$8,290	DS-3HTL	28.3	625	93.0	70.0/35.0	
	1200	575	326T	HVV30V3G	\$9,210	\$9,491	DS-3HTL	28.3	625	93.0	28.2	
40	1800	200	324T	HVV40V2H	\$5,903	\$6,184	DS-3HTL	28.3	600	94.1	105.0	
	1800	230/460	324T	HVV40V2E	\$5,466	\$5,747	DS-3HTL	28.3	600	94.1	92.0/46.0	
	1800	575	324T	HVV40V2G	\$6,286	\$6,567	DS-3HTL	28.3	600	94.1	37.0	
	1200	200	364T	HVV40V3H	\$10,921	\$11,231	DS-3HTL	30.4	740	94.1	107.0	
	1200	230/460	364T	HVV40V3E	\$10,112	\$10,422	DS-3HTL	28.3	740	94.1	93.0/46.0	
	1200	575	364T	HVV40V3G	\$11,629	\$11,939	DS-3HTL	30.4	740	94.1	37.0	
50	1800	200	326T	HVV50V2H	\$6,890	\$7,171	DS-3HTL	28.3	625	94.5	130.0	
	1800	230/460	326T	HVV50V2E	\$6,380	\$6,661	DS-3HTL	28.3	625	94.5	112.0/56.0	
	1800	575	326T	HVV50V2G	\$7,336	\$7,617	DS-3HTL	28.3	625	94.5	45.0	
	1200	200	365T	HVV50V3H	\$12,745	\$13,055	DS-3HTL	30.4	910	94.1	134.0	
	1200	230/460	365T	HVV50V3E	\$11,801	\$12,111	DS-3HTL	30.4	910	94.1	116.0/58.0	
	1200	575	365T	HVV50V3G	\$13,571	\$13,881	DS-3HTL	30.4	910	94.1	46.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

† All marks shown within this document are properties of their respective owners.



ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

(continued)



CTNI

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP	RPM	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
60	1800	200	364T	HVV60V2H	\$9,229	\$9,539	DS-3HTL	30.4	740	95.0	159.0	
	1800	230/460	364T	HVV60V2E	\$8,545	\$8,855	DS-3HTL	30.4	740	95.0	137.0/69.0	
	1800	575	364T	HVV60V2G	\$9,828	\$10,138	DS-3HTL	30.4	740	95.0	55.0	
	1200	200	404T	HVV60V3H	\$17,073	\$17,492	DS-3HTL	33.9	1160	94.5	161.0	
	1200	230/460	404T	HVV60V3E	\$15,810	\$16,229	DS-3HTL	33.9	1160	94.5	140.0/70.0	
	1200	575	404T	HVV60V3G	\$18,181	\$18,600	DS-3HTL	33.9	1160	94.5	56.0	
75	1800	200	365T	HVV75V2H	\$10,711	\$11,021	DS-3HTL	30.4	910	95.4	193.0	
	1800	230/460	365T	HVV75V2E	\$9,917	\$10,227	DS-3HTL	30.4	910	95.4	169.0/84.0	
	1800	575	365T	HVV75V2G	\$11,405	\$11,715	DS-3HTL	30.4	910	95.4	68.0	
	1200	200	405T	HVV75V3H	\$19,815	\$20,234	DS-3HTL	33.9	1180	94.5	201.0	
	1200	230/460	405T	HVV75V3E	\$18,347	\$18,766	DS-3HTL	33.9	1180	94.5	173.0/87.0	
	1200	575	405T	HVV75V3G	\$21,099	\$21,518	DS-3HTL	33.9	1180	94.5	70.0	
100	1800	200	405T	HVV100V2H	\$16,018	\$16,437	DS-3HTL	33.9	1180	95.4	260.0	
	1800	230/460	405T	HVV100V2E	\$14,831	\$15,250	DS-3HTL	33.9	1180	95.4	225.0/113.0	
	1800	575	405T	HVV100V2G	\$17,055	\$17,474	DS-3HTL	33.9	1180	95.4	90.0	
	1200	200	444T	HVV100V3H	\$29,632	\$30,110	DS-3HTL	39.9	1660	95.0	284.0	
	1200	230/460	444T	HVV100V3E	\$27,438	\$27,916	DS-3HTL	39.9	1660	95.0	248.0/124.0	
	1200	575	444T	HVV100V3G	\$31,552	\$32,030	DS-3HTL	39.9	1660	95.0	99.0	

Minimum Air Velocity Required for TEAO Models

Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
2	1000	580
3	1000	600
5	1054	700
7.5	1023	650
10	975	600
15	1500	650
20	1700	850

Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
25	1500	950
30	1600	1000
40	1700	1100
50	1800	1150
60	1800	1150
75	2000	1300
100	2000	1300

*Note: Use 1/2 of these velocities for 8 Pole (900 RPM). Use the above velocities for 50 Hz motors (Customer to make adjustments for lower motor speed in order to maintain fan speed).

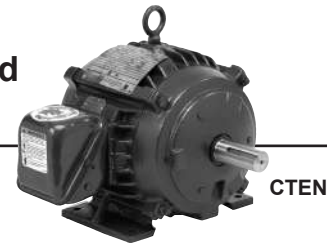
* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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GENERAL PURPOSE UNIMOUNT
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GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRAIN-PROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, 2 Speed, 1 Winding



APPLICATIONS:

For use directly in the airstream in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.

FEATURES:

- Double Dip & Bake, 100% Solids, Polyester Insulation On Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame
- Bearing Isolators on "wet" end for vertical mounting positions
- Double Sealed, same size bearings both ends
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec
- NEMA® Design B Performance on 60 Hertz Sine Wave Power
- Inverter Compatible: Exceeds NEMA® MG-1 Part 31 (10:1 Variable Torque)
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment

Option List Prices: Add motor & required options list prices, then use applicable multiplier to calculate net price.

Options	Frame Size								
	140	180	210	250	280	320	360	400	440
Space Heater	\$263	\$328	\$358	\$490	\$514	\$538	\$561	\$597	\$609
Thermistor	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585
Shaft Grounding	\$825	\$853	\$879	\$905	\$987	\$1,067	\$1,191	\$1,859	\$2,322

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2 (1/2)	1800/900(1)	200	145T	HVV2PL9H	\$1,048	\$1,137	DS-3HTL	11.1	70	84.0	4.1/6.4	
	1800/900(1)	460	145T	HVV2PL9C	\$970	\$1,059	DS-3HTL	11.1	70	84.0	1.9/2.8	
	1800/900(1)	575	145T	HVV2PL9G	\$1,116	\$1,205	DS-3HTL	11.1	70	84.0	1.4/2.2	
	1200/600(1)	200	213T	HVV2PL36H	\$1,707	\$1,844	DS-3HTL	16.3	175	87.5	4.8/7.2	
	1200/600(1)	460	213T	HVV2PL36C	\$1,580	\$1,717	DS-3HTL	16.3	160	85.5	2.0/3.1	
	1200/600(1)	575	213T	HVV2PL36G	\$1,818	\$1,955	DS-3HTL	16.3	160	86.5	1.6/2.5	
3 (3/4)	1800/900(1)	200	182T	HVV3PL9H	\$1,577	\$1,702	DS-3HTL	13.7	100	86.5	4.0/9.7	
	1800/900(1)	460	182T	HVV3PL9C	\$1,460	\$1,585	DS-3HTL	13.7	100	85.5	1.8/4.5	
	1800/900(1)	575	182T	HVV3PL9G	\$1,679	\$1,804	DS-3HTL	13.7	100	84.0	1.5/3.5	
	1200/600(1)	200	215T	HVV3PL36H	\$2,569	\$2,706	DS-3HTL	16.3	175	85.5	5.2/9.7	
	1200/600(1)	460	215T	HVV3PL36C	\$2,379	\$2,516	DS-3HTL	16.3	175	66.0	4.2/2.3	
	1200/600(1)	575	215T	HVV3PL36G	\$2,736	\$2,873	DS-3HTL	16.3	175	85.5	1.8/3.4	
5 (1-1/4)	1800/900(1)	200	184T	HVV5PL9H	\$1,645	\$1,770	DS-3HTL	13.7	110	86.5	6.4/16.2	
	1800/900(1)	460	184T	HVV5PL9C	\$1,523	\$1,648	DS-3HTL	13.7	110	86.5	2.6/6.6	
	1800/900(1)	575	184T	HVV5PL9G	\$1,751	\$1,876	DS-3HTL	13.7	110	86.5	2.0/5.2	
	1200/600(1)	200	254T	HVV5PL36H	\$2,680	\$2,854	DS-3HTL	22.1	300	87.5	6.9/17.7	
	1200/600(1)	460	254T	HVV5PL36C	\$2,482	\$2,656	DS-3HTL	22.1	300	88.5	3.4/7.2	
	1200/600(1)	575	254T	HVV5PL36G	\$2,855	\$3,029	DS-3HTL	22.1	300	87.5	2.8/5.9	
7 1/2 (1-7/8)	1800/900(1)	200	213T	HVV7PL9H	\$2,266	\$2,403	DS-3HTL	16.3	160	87.5	8.9/23.6	
	1800/900(1)	460	213T	HVV7PL9C	\$2,097	\$2,234	DS-3HTL	16.3	160	88.5	3.6/9.5	
	1800/900(1)	575	213T	HVV7PL9G	\$2,413	\$2,550	DS-3HTL	16.3	160	88.5	2.8/7.4	
	1200/600(1)	200	256T	HVV7PL36H	\$3,692	\$3,866	DS-3HTL	22.1	340	90.2	14.9/23.4	
	1200/600(1)	460	256T	HVV7PL36C	\$3,419	\$3,593	DS-3HTL	22.1	340	88.5	7.6/11.0	
	1200/600(1)	575	256T	HVV7PL36G	\$3,931	\$4,105	DS-3HTL	22.1	340	90.2	6.1/8.8	
10 (2-1/2)	1800/900(1)	200	215T	HVV10PL9H	\$2,682	\$2,819	DS-3HTL	16.3	175	88.5	10.8/28.3	
	1800/900(1)	460	215T	HVV10PL9C	\$2,483	\$2,620	DS-3HTL	16.3	175	88.5	4.9/12.9	
	1800/900(1)	575	215T	HVV10PL9G	\$2,856	\$2,993	DS-3HTL	16.3	175	90.2	3.8/9.9	
	1200/600(1)	200	284T	HVV10PL36H	\$4,370	\$4,591	DS-3HTL	24.8	380	87.5	14.5/40.0	
	1200/600(1)	460	284T	HVV10PL36C	\$4,047	\$4,268	DS-3HTL	24.8	380	88.5	5.8/14.9	
	1200/600(1)	575	284T	HVV10PL36G	\$4,654	\$4,875	DS-3HTL	24.8	380	89.5	4.6/11.4	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

† All marks shown within this document are properties of their respective owners.



ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, 2 Speed, 1 Winding



(continued)

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
15 (3-3/4)	1800/900(1)	200	254T	HVV15PL9H	\$3,850	\$4,024	DS-3HTL	22.1	300	91.0	16.8/43.0	
	1800/900(1)	460	254T	HVV15PL9C	\$3,564	\$3,738	DS-3HTL	22.1	300	91.0	7.6/19.3	
	1800/900(1)	575	254T	HVV15PL9G	\$4,099	\$4,273	DS-3HTL	22.1	300	91.0	6.1/15.4	
	1200/600(1)	200	286T	HVV15PL36H	\$6,273	\$6,494	DS-3HTL	24.8	410	90.2	21.8/43.0	
	1200/600(1)	460	286T	HVV15PL36C	\$5,809	\$6,030	DS-3HTL	24.8	410	90.2	7.6/18.9	
	1200/600(1)	575	286T	HVV15PL36G	\$6,679	\$6,900	DS-3HTL	24.8	410	91.0	9.9/16.0	
20 (5)	1800/900(1)	200	256T	HVV20PL9H	\$4,404	\$4,578	DS-3HTL	22.1	340	91.0	21.3/56.0	
	1800/900(1)	460	256T	HVV20PL9C	\$4,078	\$4,252	DS-3HTL	22.1	340	91.0	9.1/24.1	
	1800/900(1)	575	256T	HVV20PL9G	\$4,689	\$4,863	DS-3HTL	22.1	340	91.0	7.2/19.2	
	1200/600(1)	200	324T	HVV20PL36H	\$7,176	\$7,457	DS-3HTL	28.3	600	91.0	20.6/55.0	
	1200/600(1)	460	324T	HVV20PL36C	\$6,645	\$6,926	DS-3HTL	28.3	600	90.2	9.1/24.1	
	1200/600(1)	575	324T	HVV20PL36G	\$7,641	\$7,922	DS-3HTL	28.3	600	90.2	7.2/19.3	
25/(6-1/4)	1800/900(1)	200	286T	HVV25PL9H	\$5,978	\$6,199	DS-3HTL	24.8	410	92.4	25.5/68.0	
	1800/900(1)	460	286T	HVV25PL9C	\$5,536	\$5,757	DS-3HTL	24.8	410	92.4	11.1/29.6	
	1800/900(1)	575	286T	HVV25PL9G	\$6,366	\$6,587	DS-3HTL	24.8	410	92.4	9.0/23.8	
	1200/600(1)	200	326T	HVV25PL36H	\$9,743	\$10,024	DS-3HTL	28.3	625	91.7	33.0/69.0	
	1200/600(1)	460	326T	HVV25PL36C	\$9,022	\$9,303	DS-3HTL	28.3	625	92.4	15.7/30.0	
	1200/600(1)	575	326T	HVV25PL36G	\$10,374	\$10,655	DS-3HTL	28.3	625	92.4	12.7/24.1	
30 (7-1/2)	1800/900(1)	200	324T	HVV30PL9H	\$6,313	\$6,594	DS-3HTL	28.3	600	92.4	30.0/81.0	
	1800/900(1)	460	324T	HVV30PL9C	\$5,844	\$6,125	DS-3HTL	28.3	600	92.4	12.6/35.0	
	1800/900(1)	575	324T	HVV30PL9G	\$6,721	\$7,002	DS-3HTL	28.3	600	93.0	10.5/28.1	
	1200/600(1)	200	364T	HVV30PL36H	\$10,287	\$10,597	DS-3HTL	30.4	740	92.4	32.0/90.0	
	1200/600(1)	460	364T	HVV30PL36C	\$9,525	\$9,835	DS-3HTL	30.4	740	92.4	14.0/41.0	
	1200/600(1)	575	364T	HVV30PL36G	\$10,953	\$11,263	DS-3HTL	30.4	740	92.4	11.3/33.0	
40 (10)	1800/900(1)	200	326T	HVV40PL9H	\$7,969	\$8,250	DS-3HTL	28.3	625	93.0	39.0/106.0	
	1800/900(1)	460	326T	HVV40PL9C	\$7,379	\$7,660	DS-3HTL	28.3	625	93.0	16.7/46.0	
	1800/900(1)	575	326T	HVV40PL9G	\$8,487	\$8,768	DS-3HTL	28.3	625	92.4	13.3/37.0	
	1200/600(1)	200	364T	HVV40PL36H	\$12,987	\$13,297	DS-3HTL	30.4	740	91.7	41.0/126.0	
	1200/600(1)	460	364T	HVV40PL36C	\$12,026	\$12,336	DS-3HTL	30.4	740	91.7	17.8/54.0	
	1200/600(1)	575	364T	HVV40PL36G	\$13,829	\$14,139	DS-3HTL	30.4	740	91.0	14.3/43.0	
50 (12-1/2)	1800/900(1)	200	364T	HVV50PL9H	\$9,301	\$9,611	DS-3HTL	30.4	740	93.6	45.0/136.0	
	1800/900(1)	460	364T	HVV50PL9C	\$8,612	\$8,922	DS-3HTL	30.4	740	93.6	21.3/59.0	
	1800/900(1)	575	364T	HVV50PL9G	\$9,903	\$10,213	DS-3HTL	30.4	740	93.6	15.7/47.0	
	1200/600(1)	200	365T	HVV50PL36H	\$15,156	\$15,466	DS-3HTL	30.4	910	92.4	55.0/144.0	
	1200/600(1)	460	365T	HVV50PL36C	\$14,034	\$14,344	DS-3HTL	30.4	910	93.0	22.9/61.0	
	1200/600(1)	575	365T	HVV50PL36G	\$16,139	\$16,449	DS-3HTL	30.4	910	92.4	18.3/49.0	
60 (15)	1800/900(1)	200	365T	HVV60PL9H	\$12,459	\$12,769	DS-3HTL	30.4	910	93.6	56.0/158.0	
	1800/900(1)	460	365T	HVV60PL9C	\$11,536	\$11,846	DS-3HTL	30.4	910	94.1	24.9/69.0	
	1800/900(1)	575	365T	HVV60PL9G	\$13,267	\$13,577	DS-3HTL	30.4	910	94.1	20.0/55.0	
	1200/600(1)	200	405T	HVV60PL36H	\$20,304	\$20,723	DS-3HTL	33.9	1180	94.1	69.0/170.0	
	1200/600(1)	460	405T	HVV60PL36C	\$18,801	\$19,220	DS-3HTL	33.9	1180	94.1	29.0/72.0	
	1200/600(1)	575	405T	HVV60PL36G	\$21,621	\$22,040	DS-3HTL	33.9	1180	94.1	23.0/58.0	
75 (18-3/4)	1800/900(1)	200	405T	HVV75PL9H	\$14,460	\$14,879	DS-3HTL	33.9	1180	94.1	69.0/197.0	
	1800/900(1)	460	405T	HVV75PL9C	\$13,389	\$13,808	DS-3HTL	33.9	1180	94.1	31.0/86.0	
	1800/900(1)	575	405T	HVV75PL9G	\$15,396	\$15,815	DS-3HTL	33.9	1180	94.1	24.3/69.0	
	1200/600(1)	200	444T	HVV75PL36H	\$23,564	\$24,042	DS-3HTL	40.0	1660	93.6	74.0/201.0	
	1200/600(1)	460	444T	HVV75PL36C	\$21,818	\$22,296	DS-3HTL	40.0	1660	93.6	33.0/88.0	
	1200/600(1)	575	444T	HVV75PL36G	\$25,091	\$25,569	DS-3HTL	40.0	1660	93.6	26.4/71.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, 2 Speed, 1 Winding



CTEN

(continued)

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
100 (25)	1800/900(1)	200	444T	HVW100PL9H	\$21,623	\$22,101	DS-3HTL	40.0	1660	94.1	88.0/261.0	
	1800/900(1)	460	444T	HVW100PL9C	\$20,021	\$20,499	DS-3HTL	40.0	1660	94.1	39.0/114.0	
	1800/900(1)	575	444T	HVW100PL9G	\$23,025	\$23,503	DS-3HTL	40.0	1660	93.6	32.0/92.0	
	1200/600(1)	200	445T	HVW100PL36H	\$35,239	\$35,717	DS-3HTL	40.0	1700	94.5	129.0/294.0	
	1200/600(1)	460	445T	HVW100PL36C	\$32,629	\$33,107	DS-3HTL	40.0	1700	94.1	55.0/127.0	
	1200/600(1)	575	445T	HVW100PL36G	\$37,522	\$38,000	DS-3HTL	40.0	1700	94.1	45.0/104.0	

Minimum Air Velocity Required for TEAO Models

Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole	Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
2	1000	580	25	1500	950
3	1000	600	30	1600	1000
5	1054	700	40	1700	1100
7.5	1023	650	50	1800	1150
10	975	600	60	1800	1150
15	1500	650	75	2000	1300
20	1700	850	100	2000	1300

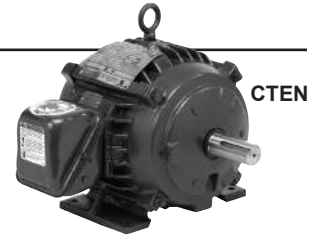
*Note: Use 1/2 of these velocities for 8 Pole (900 RPM). Use the above velocities for 50 Hz motors (Customer to make adjustments for lower motor speed in order to maintain fan speed).

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, 2 Speed, 2 Winding 2-100 HP



APPLICATIONS:

For use in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.

FEATURES:

- Double Dip & Bake, 100% Solids, Polyester Insulation On Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame
- Bearing Isolators on "wet" end for vertical mounting positions
- Double Sealed, same size bearings both ends
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec
- NEMA®† Design B Performance on 60 Hertz Sine Wave Power
- Meets IEC 34-5 Classification IP55
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment

Option List Prices: Add motor & required options list prices, then use applicable multiplier to calculate net price.

Options	Frame Size								
	140	180	210	250	280	320	360	400	440
Space Heater	\$263	\$328	\$358	\$490	\$514	\$538	\$561	\$597	\$609
Thermistor	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585	\$585
Shaft Grounding	\$825	\$853	\$879	\$905	\$987	\$1,067	\$1,191	\$1,859	\$2,322

List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2 (1/2)	1800/900(2)	200	184T	HVW2PK9H	\$1,707	\$1,832	DS-3HTL	15.5	110	84.0	3.5/7.0	
	1800/900(2)	460	184T	HVW2PK9C	\$1,580	\$1,705	DS-3HTL	15.5	110	84.0	1.7/3.4	
	1800/900(2)	575	184T	HVW2PK9G	\$1,818	\$1,943	DS-3HTL	15.5	110	84.0	1.4/2.7	
	1200/600(2)	200	215T	HVW2PK36H	\$2,366	\$2,503	DS-3HTL	19.1	175	82.5	5.0/8.3	
	1200/600(2)	460	215T	HVW2PK36C	\$2,192	\$2,329	DS-3HTL	19.1	175	81.5	2.3/3.7	
	1200/600(2)	575	215T	HVW2PK36G	\$2,520	\$2,657	DS-3HTL	19.1	175	82.5	1.8/2.8	
3 (3/4)	1800/900(2)	200	213T	HVW3PK9H	\$2,569	\$2,706	DS-3HTL	19.1	160	87.5	9.3/9.2	
	1800/900(2)	460	213T	HVW3PK9C	\$2,379	\$2,516	DS-3HTL	19.1	160	87.5	4.3/4.3	
	1800/900(2)	575	213T	HVW3PK9G	\$2,736	\$2,873	DS-3HTL	19.1	160	86.5	3.5/3.5	
	1200/600(2)	200	254T	HVW3PK36H	\$3,562	\$3,736	DS-3HTL	25.5	300	86.5	4.4/10.3	
	1200/600(2)	460	254T	HVW3PK36C	\$3,298	\$3,472	DS-3HTL	25.5	300	85.5	2.1/4.3	
	1200/600(2)	575	254T	HVW3PK36G	\$3,794	\$3,968	DS-3HTL	25.5	300	85.5	1.7/3.4	
5 (1-1/4)	1800/900(2)	200	215T	HVW5PK9H	\$2,680	\$2,817	DS-3HTL	19.1	175	88.5	6.9/14.7	
	1800/900(2)	460	215T	HVW5PK9C	\$2,482	\$2,619	DS-3HTL	19.1	175	87.5	4.3/6.6	
	1800/900(2)	575	215T	HVW5PK9G	\$2,855	\$2,992	DS-3HTL	19.1	175	87.5	2.8/5.4	
	1200/600(2)	200	256T	HVW5PK36H	\$3,716	\$3,890	DS-3HTL	25.5	340	86.5	8.0/16.4	
	1200/600(2)	460	256T	HVW5PK36C	\$3,441	\$3,615	DS-3HTL	25.5	340	86.5	4.1/8.6	
	1200/600(2)	575	256T	HVW5PK36G	\$3,957	\$4,131	DS-3HTL	25.5	340	86.5	3.2/6.9	
7 1/2 (1-7/8)	1800/900(2)	200	254T	HVW7PK9H	\$3,692	\$3,866	DS-3HTL	25.5	300	91.0	8.8/21.8	
	1800/900(2)	460	254T	HVW7PK9C	\$3,419	\$3,593	DS-3HTL	25.5	300	91.7	3.8/9.4	
	1800/900(2)	575	254T	HVW7PK9G	\$3,931	\$4,105	DS-3HTL	25.5	300	91.0	2.9/7.5	
	1200/600(2)	200	284T	HVW7PK36H	\$5,118	\$5,339	DS-3HTL	27.0	380	88.5	12.3/26.7	
	1200/600(2)	460	284T	HVW7PK36C	\$4,740	\$4,961	DS-3HTL	27.0	380	87.5	5.7/12.2	
	1200/600(2)	575	284T	HVW7PK36G	\$5,450	\$5,671	DS-3HTL	27.0	380	86.5	4.8/10.3	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

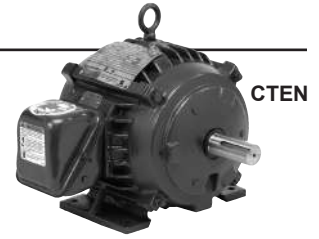
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COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, 2 Speed, 2 Winding 2-100 HP

(continued)



List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10 (2-1/2)	1800/900(2)	200	256T	HVV10PK9H	\$4,370	\$4,544	DS-3HTL	25.5	340	91.7	12.0/27.5	
	1800/900(2)	460	256T	HVV10PK9C	\$4,047	\$4,221	DS-3HTL	25.5	340	91.7	5.2/12.0	
	1800/900(2)	575	256T	HVV10PK9G	\$4,654	\$4,828	DS-3HTL	25.5	340	91.7	4.1/9.8	
	1200/600(2)	200	286T	HVV10PK36H	\$6,058	\$6,279	DS-3HTL	27.0	410	88.5	12.6/29.9	
	1200/600(2)	460	286T	HVV10PK36C	\$5,610	\$5,831	DS-3HTL	27.0	410	89.5	7.2/15.0	
	1200/600(2)	575	286T	HVV10PK36G	\$6,451	\$6,672	DS-3HTL	27.0	410	89.5	5.5/11.3	
15 (3-3/4)	1800/900(2)	200	284T	HVV15PK9H	\$6,273	\$6,494	DS-3HTL	27.0	380	91.0	16.1/44.0	
	1800/900(2)	460	284T	HVV15PK9C	\$5,809	\$6,030	DS-3HTL	27.0	380	92.4	8.9/24.3	
	1800/900(2)	575	284T	HVV15PK9G	\$6,679	\$6,900	DS-3HTL	27.0	380	92.4	5.6/14.8	
	1200/600(2)	200	324T	HVV15PK36H	\$8,697	\$8,978	DS-3HTL	30.6	600	90.2	17.3/43.0	
	1200/600(2)	460	324T	HVV15PK36C	\$8,053	\$8,334	DS-3HTL	30.6	600	89.5	7.5/18.8	
	1200/600(2)	575	324T	HVV15PK36G	\$9,261	\$9,542	DS-3HTL	30.6	600	89.5	5.9/15.0	
20 (5)	1800/900(2)	200	286T	HVV20PK9H	\$7,176	\$7,397	DS-3HTL	27.0	410	92.4	20.4/56.0	
	1800/900(2)	460	286T	HVV20PK9C	\$6,645	\$6,866	DS-3HTL	27.0	410	92.4	8.9/24.3	
	1800/900(2)	575	286T	HVV20PK9G	\$7,641	\$7,862	DS-3HTL	27.0	410	91.7	7.7/20.4	
	1200/600(2)	200	326T	HVV20PK36H	\$9,949	\$10,230	DS-3HTL	30.6	625	91.0	24.2/62.0	
	1200/600(2)	460	326T	HVV20PK36C	\$9,212	\$9,493	DS-3HTL	30.6	625	91.0	10.9/26.1	
	1200/600(2)	575	326T	HVV20PK36G	\$10,594	\$10,875	DS-3HTL	30.6	625	90.2	8.3/20.2	
25 / (6-1/4)	1800/900(2)	200	324T	HVV25PK9H	\$9,743	\$10,024	DS-3HTL	30.6	600	91.7	28.0/71.0	
	1800/900(2)	460	324T	HVV25PK9C	\$9,022	\$9,303	DS-3HTL	30.6	600	92.4	11.2/31.0	
	1800/900(2)	575	324T	HVV25PK9G	\$10,374	\$10,655	DS-3HTL	30.6	600	92.4	8.2/24.0	
	1200/600(2)	200	364T	HVV25PK36H	\$13,507	\$13,817	DS-3HTL	33.6	740	91.7	31.0/73.0	
	1200/600(2)	460	364T	HVV25PK36C	\$12,507	\$12,817	DS-3HTL	33.6	740	91.0	13.0/35.0	
	1200/600(2)	575	364T	HVV25PK36G	\$14,382	\$14,692	DS-3HTL	33.6	740	91.0	11.0/26.7	
30 (7-1/2)	1800/900(2)	200	326T	HVV30PK9H	\$10,287	\$10,568	DS-3HTL	30.6	625	92.4	30.0/81.0	
	1800/900(2)	460	326T	HVV30PK9C	\$9,525	\$9,806	DS-3HTL	30.6	625	93.6	15.2/36.0	
	1800/900(2)	575	326T	HVV30PK9G	\$10,953	\$11,234	DS-3HTL	30.6	625	93.0	11.4/29.3	
	1200/600(2)	200	365T	HVV30PK36H	\$14,260	\$14,570	DS-3HTL	33.6	910	91.7	32.0/86.0	
	1200/600(2)	460	365T	HVV30PK36C	\$13,205	\$13,515	DS-3HTL	33.6	910	90.2	14.4/38.0	
	1200/600(2)	575	365T	HVV30PK36G	\$15,185	\$15,495	DS-3HTL	33.6	910	91.0	11.7/32.0	
40 (10)	1800/900(2)	200	364T	HVV40PK9H	\$12,987	\$13,297	DS-3HTL	33.6	740	92.4	38.0/118.0	
	1800/900(2)	460	364T	HVV40PK9C	\$12,026	\$12,336	DS-3HTL	33.6	740	93.0	18.5/50.0	
	1800/900(2)	575	364T	HVV40PK9G	\$13,820	\$14,130	DS-3HTL	33.6	740	93.0	40.0/15.2	
	1200/600(2)	200	404T	HVV40PK36H	\$18,005	\$18,424	DS-3HTL	37.7	1160	92.4	45.0/126.0	
	1200/600(2)	460	404T	HVV40PK36C	\$16,672	\$17,091	DS-3HTL	37.7	1160	91.0	18.9/50.0	
	1200/600(2)	575	404T	HVV40PK36G	\$19,172	\$19,591	DS-3HTL	37.7	1160	91.7	15.8/42.0	
50 (12-1/2)	1800/900(2)	200	365T	HVV50PK9H	\$15,156	\$15,466	DS-3HTL	33.6	910	93.6	47.0/136.0	
	1800/900(2)	460	365T	HVV50PK9C	\$14,034	\$14,344	DS-3HTL	33.6	910	94.5	22.5/58.0	
	1800/900(2)	575	365T	HVV50PK9G	\$16,139	\$16,449	DS-3HTL	33.6	910	93.6	15.7/47.0	
	1200/600(2)	200	405T	HVV50PK36H	\$21,013	\$21,432	DS-3HTL	37.7	1180	93.0	59.0/146.0	
	1200/600(2)	460	405T	HVV50PK36C	\$19,456	\$19,875	DS-3HTL	37.7	1180	92.4	26.8/63.0	
	1200/600(2)	575	405T	HVV50PK36G	\$22,374	\$22,793	DS-3HTL	37.7	1180	92.4	22.2/51.0	

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

† All marks shown within this document are properties of their respective owners.



ReadyLine® Cooling Tower Duty Three Phase, Totally Enclosed Air Over (TEAO) Premium Efficient, 2 Speed, 2 Winding 2-100 HP

(continued)



List A: For mounting positions F1, F2, C1, C2, W1, W2, W3, W4. List B: For mounting positions W5, W6, W7, W8. *

HP HP (Low)	RPM/RPM Low (# Windings)	Voltage	Frame	Catalog Number	List A	List B	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
60 (15)	1800/900(2)	200	405T	HVV60PK9H	\$20,304	\$20,723	DS-3HTL	37.7	1180	94.5	58.0/170.0	
	1800/900(2)	460	405T	HVV60PK9C	\$18,801	\$19,220	DS-3HTL	37.7	1180	94.5	26.6/73.0	
	1800/900(2)	575	405T	HVV60PK9G	\$21,621	\$22,040	DS-3HTL	37.7	1180	94.5	22.2/59.0	
	1200/600(2)	200	444T	HVV60PK36H	\$28,149	\$28,627	DS-3HTL	45.4	1660	93.0	61.0/178.0	
	1200/600(2)	460	444T	HVV60PK36C	\$26,064	\$26,542	DS-3HTL	45.4	1660	92.4	28.1/76.0	
	1200/600(2)	575	444T	HVV60PK36G	\$29,973	\$30,451	DS-3HTL	45.4	1660	91.7	22.7/63.0	
75 (18-3/4)	1800/900(2)	200	405T	HVV75PK9H	\$23,564	\$23,983	DS-3HTL	37.7	1180	94.5	74.0/205.0	
	1800/900(2)	460	405T	HVV75PK9C	\$21,818	\$22,237	DS-3HTL	37.7	1180	94.5	31.0/89.0	
	1800/900(2)	575	405T	HVV75PK9G	\$25,091	\$25,510	DS-3HTL	37.7	1180	94.5	25.2/71.0	
	1200/600(2)	200	445T	HVV75PK36H	\$32,668	\$33,146	DS-3HTL	45.4	1700	93.6	92.0/255.0	
	1200/600(2)	460	445T	HVV75PK36C	\$30,248	\$30,726	DS-3HTL	45.4	1700	94.1	42.0/105.0	
	1200/600(2)	575	445T	HVV75PK36G	\$34,785	\$35,263	DS-3HTL	45.4	1700	93.6	35.0/89.0	
100 (25)	1800/900(2)	200	445T	HVV100PK9H	\$35,239	\$35,717	DS-3HTL	45.4	1700	94.5	91.0/280.0	
	1800/900(2)	460	445T	HVV100PK9C	\$32,629	\$33,107	DS-3HTL	45.4	1700	94.5	38.0/115.0	
	1800/900(2)	575	445T	HVV100PK9G	\$37,522	\$38,000	DS-3HTL	45.4	1700	94.5	32.0/94.0	
	1200/600(2)	200	447T	HVV100PK36H	\$48,853	\$49,331	DS-3HTL	48.9	2025	93.6	145.0/303.0	
	1200/600(2)	460	447T	HVV100PK36C	\$45,235	\$45,713	DS-3HTL	48.9	2025	94.1	66.0/139.0	
	1200/600(2)	575	447T	HVV100PK36G	\$52,019	\$52,497	DS-3HTL	48.9	2025	94.1	55.0/111.0	

Minimum Air Velocity Required for TEAO Models

Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole	Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
2	1000	580	25	1500	950
3	1000	600	30	1600	1000
5	1054	700	40	1700	1100
7.5	1023	650	50	1800	1150
10	975	600	60	1800	1150
15	1500	650	75	2000	1300
20	1700	850	100	2000	1300

*Note: Use 1/2 of these velocities for 8 Pole (900 RPM). Use the above velocities for 50 Hz motors (Customer to make adjustments for lower motor speed in order to maintain fan speed).

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

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Hazardous Location



For pumps, fans, compressors, blowers, conveyors and general industrial equipment in hazardous locations as defined by class and group.

Horsepower: 1/4 through 200 HP, Single and Dual Label

Phase: Single and Three Phase

RPM: 1200, 1800 and 3600

Voltage: 115/208 - 230, 115/230, 230/460, 208-230/460 and 460

Efficiency: Standard and Energy Efficient

Mounting: Footed, Footless C-Face

Agency: UL^{®†} Recognized and CSA^{®†} Certified



Hazardous Location Specifications

Division I, Class I - Flammable Gases or Vapors

Hazardous locations are characterized by an atmosphere which does or may contain gas, vapor or dust in sufficient quantities to cause explosion. The National Electrical Code (NEC[®]) divides these locations into classes and groups according to the type of explosive agent which may be present. Listed are some of the agents in each classification. For a complete list, see NFPA (National Fire Protection Association) publication 497M.

Underwriters Laboratories (UL[†]) tests motors and other devices for safety in explosive atmospheres and publishes a list of motors meeting its standards for each Class and Group. Use of UL[†] Listed devices does not necessarily make an installation conform to the NEC or local codes. Consult Chapter 5 of the NEC local building codes, OSHA requirements and insurance inspectors for detailed data on proper procedures.

Gases and vapors are grouped by severity of expected explosion pressure and extent of flame propagation between parts. For Class I applications, Nidec Motor Corporation offers hazardous location products for:

- Group C – ethyl-ether, ethylene and cycle propane
- Group D – gasoline, hexane, naphtha, benzene, butane, propane, alcohol, lacquer solvent vapors and natural gas

Division I, Class II - Combustible Dusts

Dusts are grouped by combustibility, penetrability between parts, blanketing effect, ignition temperature and ability to contribute to creation of an ignition source through abrasiveness or electrical

conductivity. For Class II applications, Nidec Motor Corporation offers hazardous location products for:

- Group F – carbon black coal or coke
- Group G – flour, starch or grain

Temperature

Hazardous location motors are classified by temperature code. This code indicates the maximum surface temperature for all conditions including burnout, overload, single phasing and locked rotor. The maximum surface temperature, or "T" code, must be identified on the nameplate.

All hazardous location motors have a temperature code that defines the maximum allowable frame temperature.

Maximum Temperature (For All Conditions)		T-Code
Celsius	Fahrenheit	
280*	536	T2A***
260*	500	T2B***
230**	446	T2C***
215**	419	T2D***
200**	392	T3
180**	356	T3A
165**	329	T3B
160**	320	T3C
135**	275	T4
120**	248	T4A
100**	212	T5

*Class I, Group D only, requires caution statement

**Requires thermostats

***Not applicable to motors for use in Class II locations

† All marks shown within this document are properties of their respective owners.

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA^{®†} Premium Efficient – IE3, Dual Label

APPLICATIONS:

For pumps, fans, compressors, conveyors and tools located in hazardous locations as defined by Class and Group.



FEATURES:

For all Products Listed in this Section:

- UL^{®†} Listed & CSA^{®†} Certified
- Cast Iron Inner Bearing Caps (180 Frame and Larger)
- 40°C Ambient, NEMA^{®†} Design B Performance
- Regreasable Bearings 180 Frame & Up
- Lifting Provisions, 180 Frame & Up
- Conversion Kits: Cast Iron Fan Cover (180 Frame & Up)
- Sealed Bearings 56-140, Shielded 180 Frame & Up
- Class, Group & Temp Code as Noted Below
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

For Catalog Numbers Beginning with "X" or "Y":

- Cast Iron Frame Except Where Noted
- Cast Iron End Brackets & Conduit Box
- Class F Insulation
- 1.00 Service Factor on 60 Hertz Sinewave Power
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger on Pulley End for IP54 Protection

For Catalog Numbers Beginning with "XS":

- Aluminum End Brackets & Conduit Box
- Class B Insulation
- Steel Frame

HP	RPM	Voltage	Frame	Catalog Number	Class I Group	Class II Group	Temp Code	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56	XS12SA2D	D	EFG	T3B	\$505	DS-3CXD	12.4	26	-	2.0-1.9/1.0	13,24,NNP
	1200	208-230/460	56	XS12SA3A	CD	EFG	T3B	\$615	DS-3CXD	13.2	32	-	2.2-2.3/1.1	13,24,NNP
3/4	1800	208-230/460	56	XS34SA2A	D	EFG	T3B	\$576	DS-3CXD	13.7	32	-	2.8-2.9/1.4	13,24,NNP
	1200	208-230/460	143T	XS34SA14	CD	EFG	T3C	\$700	DS-3CXD	15.0	32	-	3.1-3.2/1.6	13,NNP
1	1800	230/460	143T	X1P2B	D	FG	T3B	\$729	DS-3CXD	12.9	60	85.5	3/1.5	51
	1200	230/460	145T	X1P3B	D	FG	T3B	\$991	DS-3CXD	12.9	80	82.5	3.8/1.9	
	900	230/460	182T	X1E4B	D	FG	T3B	\$1,526	DS-3CXD	16.0	90	74.0	4.7/2.4	NNP
	900	230/460	182T	X1S4B	D	FG	T3B	\$1,526	DS-3CXD	14.6	90	66.0	5.1/2.6	NNP
1 1/2	3600	230/460	143T	X32P1B	D	FG	T3B	\$840	DS-3CXD	12.9	70	84.0	3.9/1.9	
	1800	208-230/460	145T	XS32P2A14	D	FG	T3B	\$808	DS-3CXD	15.5	32	86.5	4.7-4.6/2.3	
	1800	230/460	145T	X32P2B	D	FG	T3B	\$808	DS-3CXD	12.9	80	86.5	4.3/2.1	
	1200	230/460	182T	X32P3B	D	FG	T3B	\$1,093	DS-3CXD	16.0	90	87.5	4.6/2.3	
	900	230/460	184T	X32E4B	D	FG	T3B	\$1,694	DS-3CXD	16.0	105	77.0	6.6/3.3	NNP
2	3600	230/460	145T	X2P1B	D	FG	T3B	\$998	DS-3CXD	12.9	75	85.5	4.9/2.4	
	1800	208-230/460	56H	XS2SA2AH	CD	EFG	T3C	\$886	DS-3CXD	16.7	32	-	6.7-6.4/3.2	13,24,NNP
	1800	230/460	145T	X2P2B	D	FG	T3B	\$886	DS-3CXD	12.9	80	86.5	5.2/2.6	
	1200	230/460	184T	X2P3B	D	FG	T3B	\$1,216	DS-3CXD	16.0	100	88.5	5.8/2.9	
	900	230/460	213T	X2E4B	D	FG	T3B	\$1,880	DS-3CXD	19.2	165	82.5	6.9/3.5	NNP
3	3600	230/460	182T	X3P1B	D	FG	T3B	\$1,116	DS-3CXD	16.0	85	86.5	7.8/3.9	
	1800	230/460	182T	X3P2B	D	FG	T3B	\$986	DS-3CXD	16.0	96	89.5	7.7/3.8	
	1200	230/460	213T	X3P3B	D	FG	T3B	\$1,503	DS-3CXD	19.2	151	89.5	8.8/4.4	
	900	230/460	215T	X3E4B	D	FG	T3B	\$2,330	DS-3CXD	19.2	300	84.0	10.4/5.2	NNP
5	3600	230/460	184T	X5P1B	D	FG	T3B	\$1,400	DS-3CXD	16.0	95	88.5	12/6	
	1800	230/460	184T	X5P2B	D	FG	T3B	\$1,147	DS-3CXD	16.0	110	89.5	12.5/6.2	
	1200	230/460	215T	X5P3B	D	FG	T3B	\$2,152	DS-3CXD	19.2	157	89.5	13.9/7	
	900	230/460	254T	X5E4B	CD	FG	T3C	\$3,239	DS-3CXD	25.3	310	85.5	17.5/8.7	NNP
7 1/2	3600	230/460	213T	X7P1B	D	FG	T3B	\$1,730	DS-3CXD	19.2	156	89.5	18.6/9.3	
	1800	230/460	213T	X7P2B	D	FG	T3B	\$1,564	DS-3CXD	19.2	160	91.7	18.6/9.3	
	1200	230/460	254T	X7P3B	CD	FG	T3C	\$2,788	DS-3CXD	25.3	300	91.0	18.8/9.4	
10	3600	230/460	215T	X10P1B	D	FG	T3B	\$2,027	DS-3CXD	19.2	175	90.2	23.6/11.8	
	1800	230/460	215T	X10P2B	D	FG	T3B	\$1,889	DS-3CXD	19.2	194	91.7	23.9/12	
	1200	230/460	256T	X10P3B	CD	FG	T3C	\$3,368	DS-3CXD	25.3	320	91.0	24.8/12.4	

Note 13 Steel Frame Construction
Note 24 Automatic Reset Thermal Protector Overload

Note 51 Equipped with Winding Thermostat
Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA® Premium Efficient – IE3, Dual Label

(continued)



HP	RPM	Voltage	Frame	Catalog Number	Class I Group	Class II Group	Temp Code	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
15	3600	230/460	254T	X15P1B	CD	FG	T3C	\$2,817	DS-3CXD	25.3	320	91.0	35/17.5	
	1800	230/460	254T	X15P2B	CD	FG	T3C	\$2,533	DS-3CXD	25.3	316	92.4	37/18.3	
	1200	230/460	284T	X15P3B	CD	FG	T3C	\$4,617	DS-3CXD	27.0	390	91.7	37/18.3	
20	3600	230/460	256T	X20P1B	CD	FG	T3C	\$3,487	DS-3CXD	25.3	375	91.0	46/23.1	
	1800	230/460	256T	X20P2B	CD	FG	T3C	\$3,122	DS-3CXD	25.3	375	93.0	48/23.8	
	1200	230/460	286T	X20P3B	CD	FG	T3C	\$5,593	DS-3CXD	27.0	458	91.7	49/24.4	
25	3600	230/460	284T	X25P1BS	CD	FG	T3C	\$4,208	DS-3CXD	25.6	350	91.7	57/28.7	
	1800	230/460	284T	X25P2B	CD	FG	T3C	\$3,685	DS-3CXD	27.0	286	93.6	58/28.9	
	1200	230/460	324T	X25P3B	CD	FG	T3C	\$6,707	DS-3CXD	30.7	575	93.0	61/31	
30	3600	230/460	286T	X30P1BS	CD	FG	T3C	\$4,934	DS-3CXD	25.6	410	91.7	69/34	
	1800	230/460	286T	X30P2B	CD	FG	T3C	\$4,298	DS-3CXD	27.0	433	93.6	69/34	
	1200	230/460	326T	X30P3B	CD	FG	T3C	\$7,914	DS-3CXD	30.7	685	93.0	74/37	
40	3600	230/460	324T	X40P1BS	CD	FG	T3C	\$6,426	DS-3CXD	29.2	645	92.4	90/45	
	1800	230/460	324T	X40P2B	CD	FG	T3C	\$5,656	DS-3CXD	30.7	590	94.1	90/45	
	1200	230/460	364T	X40P3B	CD	FG	T3C	\$10,476	DS-3CXD	32.3	725	94.1	92/46	
50	3600	460	326T	X50P1BS	CD	FG	T3C	\$8,269	DS-3CXD	29.2	640	93.0	57	
	1800	230/460	326T	X50P2B	CD	FG	T3C	\$6,944	DS-3CXD	30.7	650	94.5	112/56	
	1200	230/460	365T	X50P3B	CD	FG	T3C	\$12,069	DS-3CXD	32.3	950	94.1	115/58	
60	3600	230/460	364T	X60P1BS	CD	FG	T3C	\$10,848	DS-3CXD	30.1	750	93.6	136/68	
	1800	230/460	364T	X60P2B	CD	FG	T3B	\$9,924	DS-3CXD	32.3	810	95.0	136/68	
75	3600	230/460	365T	X75P1BS	CD	FG	T3C	\$13,631	DS-3CXD	30.1	850	93.6	166/83	
	1800	230/460	365T	X75P2B	CD	FG	T3C	\$12,622	DS-3CXD	32.3	850	95.4	169/84	
100	1800	230/460	405T	X100P2B	CD	FG	T3C	\$14,501	DS-3CXD	36.5	1170	95.4	225/113	
	1200	460	444T	X100P3C	D	FG	T3B	\$21,232	DS-3CXD	45.8	1485	95.0	124	
125	1800	460	444T	X125P2C	D	FG	T3B	\$17,910	DS-3CXD	45.8	1560	95.4	147	
150	1800	460	445T	X150P2C	D	FG	T3B	\$21,257	DS-3CXD	45.8	1625	95.8	171	
200	1800	460	447T	X200P2C	D	FG	T3B	\$25,899	DS-3CXD	49.4	2200	96.2	227	

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GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA® Premium Efficient – IE3, Single Label, CORRO-DUTY®

APPLICATIONS:

For pumps, fans, compressors, conveyors and tools located in hazardous locations as defined by Class and Group.



NEMA
Premium

FLC,
LCE

FEATURES:

- UL® Listed & CSA® Certified
- All Cast Iron Construction (140 Frame Has Steel Base)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 180 Frame & Up
- Sealed Bearings 56-140, Shielded 180-360, Open 400-440 Frames
- Class F Insulation, Listed For Ambients -25°C To +40°C
- Brass Breather Plug
- Suitable For Inverter Use Per Policy Statement In Introduction, 2:1 CT
- Class I (Group D), T2B Temperature Code
- 1.15 Service Factor On 60 Hertz Sinewave Power

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56	Y12S2B	\$658	DS-3F	1.00	11.6	49	-	1.8-1.7/0.9	13,NNP
3/4	1800	230/460	56	Y34S2B	\$694	DS-3F	1.00	11.6	51	-	2.7/1.3	13,NNP
1	1800	230/460	143T	YC1P2B	\$872	DS-3CX	1.15	13.1	80	85.5	3/1.5	
	1200	230/460	145T	YC1P3B	\$1,022	DS-3CX	1.00	13.1	80	82.5	3.8/1.9	
	900	230/460	182T	YC1E4B	\$1,583	DS-3CX	1.15	16.1	100	74.0	4.7/2.4	NNP
1 1/2	3600	230/460	143T	YC32P1B	\$913	DS-3CX	1.15	13.1	70	84.0	3.9/1.9	
	1800	230/460	145T	YC32P2B	\$917	DS-3CX	1.15	13.1	80	86.5	4.3/2.1	
	1200	230/460	182T	YC32P3B	\$1,106	DS-3CX	1.00	16.1	100	87.5	4.6/2.3	
	900	230/460	184T	YC32E4B	\$2,208	DS-3CX	1.15	16.1	108	77.0	6.6/3.3	NNP
2	3600	230/460	145T	YC2P1B	\$1,017	DS-3CX	1.15	13.1	75	86.5	4.9/2.4	
	1800	230/460	145T	YC2P2B	\$980	DS-3CX	1.15	13.1	80	86.5	5.2/2.6	
	1200	230/460	184T	YC2P3B	\$1,281	DS-3CX	1.15	16.1	110	88.5	5.8/2.9	
	900	230/460	213T	YC2E4B	\$2,363	DS-3CX	1.15	20.0	165	82.5	6.9/3.5	NNP
3	3600	230/460	182T	YC3P1B	\$1,147	DS-3CX	1.15	16.1	95	86.5	7.8/3.9	
	1800	230/460	182T	YC3P2B	\$1,149	DS-3CX	1.15	16.1	96	89.5	7.7/3.8	
	1200	230/460	213T	YC3P3B	\$1,643	DS-3CX	1.15	20.0	151	89.5	8.8/4.4	
	900	230/460	215T	YC3E4B	\$2,934	DS-3CX	1.15	20.0	300	84.0	10.4/5.2	NNP
5	3600	230/460	184T	YC5P1B	\$1,445	DS-3CX	1.15	16.1	104	88.5	12/6	
	1800	230/460	184T	YC5P2B	\$1,279	DS-3CX	1.15	16.1	110	89.5	12.5/6.2	
	1200	230/460	215T	YC5P3B	\$2,184	DS-3CX	1.15	20.0	157	89.5	13.9/7	
	900	230/460	254T	YC5E4B	\$4,010	DS-3CX	1.15	25.0	310	85.5	17.5/8.7	NNP
7 1/2	3600	230/460	213T	YC7P1B	\$1,683	DS-3CX	1.15	20.0	156	89.5	18.6/9.3	
	1800	230/460	213T	YC7P2B	\$1,757	DS-3CX	1.00	20.0	160	91.7	18.6/9.3	
	1200	230/460	254T	YC7P3B	\$2,919	DS-3CX	1.00	25.0	300	91.0	18.8/9.4	
	900	230/460	256T	YC7E4B	\$4,943	DS-3CX	1.15	25.0	375	85.5	23.6/11.8	NNP
10	3600	230/460	215T	YC10P1B	\$2,129	DS-3CX	1.00	20.0	175	90.2	23.6/11.8	
	1800	230/460	215T	YC10P2B	\$2,084	DS-3CX	1.15	20.0	194	91.7	23.9/12	
	1200	230/460	256T	YC10P3B	\$3,804	DS-3CX	1.15	25.0	320	91.0	24.8/12.4	
	900	230/460	284T	YC10E4B	\$6,027	DS-3CX	1.15	27.4	380	88.5	28.5/14.3	NNP
15	3600	230/460	254T	YC15P1B	\$2,851	DS-3CX	1.15	25.0	320	91.0	35/17.5	
	1800	230/460	254T	YC15P2B	\$2,735	DS-3CX	1.15	25.0	316	92.4	37/18.3	
	1200	230/460	284T	YC15P3B	\$4,714	DS-3CX	1.15	27.4	390	91.7	37/18.3	
20	3600	230/460	256T	YC20P1B	\$3,656	DS-3CX	1.00	25.0	375	91.0	46/23.1	
	1800	230/460	256T	YC20P2B	\$3,323	DS-3CX	1.00	25.0	375	93.0	48/23.8	
	1200	230/460	286T	YC20P3B	\$5,563	DS-3CX	1.15	27.4	458	91.7	49/24.4	
	900	230/460	324T	YC20E4B	\$9,400	DS-3CX	1.15	30.7	550	89.5	55/27.3	NNP

Note 13 Steel Frame Construction
Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location NEMA^{®†} Premium Efficient, Single Label – IE3, CORRO-DUTY[®]

(continued)



NEMA
Premium

FLC,
LCE

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
25	3600	230/460	284TS	YC25P1BS	\$4,457	DS-3CX	1.15	26.0	350	91.7	57/28.7	
	1800	230/460	284T	YC25P2B	\$3,981	DS-3CX	1.15	27.4	150	93.6	58/28.9	
	1200	230/460	324T	YC25P3B	\$6,956	DS-3CX	1.15	30.7	575	93.0	61/31	
	900	230/460	326T	YC25E4B	\$10,908	DS-3CX	1.15	30.7	645	90.2	68/34	NNP
30	3600	230/460	286TS	YC30P1BS	\$4,835	DS-3CX	1.00	26.0	410	91.7	69/34	
	1800	230/460	286T	YC30P2B	\$4,676	DS-3CX	1.15	27.4	433	93.6	69/34	
	1200	230/460	326T	YC30P3B	\$8,236	DS-3CX	1.00	30.7	685	93.0	74/37	
40	3600	230/460	324TS	YC40P1BS	\$6,466	DS-3CX	1.15	29.2	550	92.4	90/45	
	1800	230/460	324T	YC40P2B	\$6,176	DS-3CX	1.15	30.7	590	94.1	90/45	
	1200	230/460	364T	YC40P3B	\$10,863	DS-3CX	1.15	33.1	725	94.1	92/46	
50	3600	230/460	326TS	YC50P1BS	\$8,520	DS-3CX	1.00	29.2	640	93.0	114/57	
	1800	230/460	326T	YC50P2B	\$7,639	DS-3CX	1.15	30.7	650	94.5	112.0/56.0	
	1200	230/460	365T	YC50P3B	\$12,414	DS-3CX	1.00	33.1	950	94.1	115/58	
60	3600	230/460	364TS	YC60P1BS	\$12,381	DS-3CX	1.15	30.9	750	93.6	136/68	
	1800	230/460	364T	YC60P2B	\$11,342	DS-3CX	1.15	33.1	810	95.0	136/68	
	1200	230/460	404T	YC60P3B	\$14,143	DS-3CX	1.00	12.3	1100	94.5	139/70	
75	3600	230/460	365TS	YC75P1BS	\$14,435	DS-3CX	1.00	30.9	850	93.6	166/83	
	1800	230/460	365T	YC75P2B	\$14,076	DS-3CX	1.00	33.1	850	95.4	169/84	
	1200	230/460	405T	YC75P3B	\$17,169	DS-3CX	1.15	13.8	1200	94.5	177.0/88.0	
100	1800	230/460	405T	YC100P2B	\$17,179	DS-3CX	1.15	13.8	1244	95.4	225/113	

Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRAINPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location Dual & Single Label, C-Face



EF, LF

APPLICATIONS:

For pumps, fans, compressors, conveyors and tools located in hazardous locations as defined by Class and Group.

FEATURES:

For all Products Listed in this Section:

- UL® Listed & CSA® Certified
- Cast Iron Inner Bearing Caps (180 Frame and Larger)
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Up
- Lifting Provisions, 180 Frame & Up
- Conversion Kits: Cast Iron Fan Cover (180 Frame & Up)
- Sealed Bearings 56-140, Shielded 180 Frame & Up
- Class, Group & Temp Code as Noted Below

For Catalog Numbers Beginning with "X" or "Y":

- Cast Iron Frame Except Where Noted
- Cast Iron End Brackets & Conduit Box
- Class F Insulation
- 1.00 Service Factor on 60 Hertz Sine Wave Power
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger on Pulley End for IP54 Protection

For Catalog Numbers Beginning with "XS":

- Aluminum End Brackets & Conduit Box
- Class B Insulation
- Steel Frame

Footless

HP	RPM	Voltage	Frame	Catalog Number	Class I Group	Class II Group	Temp Code	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800	208-230/460&190/380	56C	XS13SA2DCR	CD	EFG	T3B	\$490	DS-3CXD	13.3	29	-	1.4-1.3/0.65&1.4/0.7	13,24
	1800	230/460	56C	Y13S2BCR	D	-	T2B	\$638	DS-3F	11.6	49	-	1.5/0.7	
1/2	1800	208-230/460	56C	XS12SA2DCR	CD	EFG	T3B	\$530	DS-3CXD	13.3	30	-	2.0-1.9/1.0	
	1800	230/460	56C	Y12S2BCR	D	-	T2B	\$672	DS-3F	11.6	48	-	1.7/0.9	
3/4	3600	208-230/460	56C	XS34S1ACR	CD	EFG	T3B	\$630	DS-3CXD	13.3	32	-	2.7-2.6/1.3	
	1800	208-230/460	56C	XS34SA2ACR	CD	EFG	T3B	\$601	DS-3CXD	14.3	32	-	2.8-2.9/1.4	13,24
	1800	230/460	56C	Y34S2BCR	D	-	T2B	\$708	DS-3F	11.6	55	-	2.7/1.3	
1	3600	208-230/460	56C	XS1S1ACR	CD	EFG	T3B	\$576	DS-3CXD	13.8	32	-	3.2-3.0/1.5	
	3600	230/460	56C	Y1S1BCR	D	-	T2B	\$716	DS-3F	11.6	50	-	3/1.5	
	1800	208-230/460	143T	XS1P2ACR	CD	EFG	T3B	\$760	DS-3CXD	15.3	42	85.5	3.3-3.3/1.6	
1 1/2	1800	208-230/460	143T	XS32P2ACR	CD	EFG	T3B	\$838	DS-3CXD	15.8	50	86.5	4.9-4.8/2.4	
	1800	230/460	145T	X32E2BCR	D	FG	T3B	\$746	DS-3CXD	13.4	75	86.5	4.3/2.1	
2	1800	208-230/460	145T	XS2P2ACR	CD	EFG	T3B	\$965	DS-3CXD	15.8	45	86.5	6.2-6.0/3.0	
	1800	230/460	145T	X2E2BCR	D	FG	T3B	\$909	DS-3CXD	13.4	75	86.5	5.6/2.8	
3	1800	230/460	182T	X3E2BCR	D	FG	T3B	\$932	DS-3CXD	16.3	105	87.5	8.2/4.1	
5	1800	230/460	184T	X5E2BCR	D	FG	T3B	\$1,070	DS-3CXD	16.3	118	87.5	12.7/6.4	
7 1/2	1800	230/460	213T	X7E2BCR	D	FG	T3B	\$1,443	DS-3CXD	20.0	160	89.5	18.6/9.3	
	10	1800	230/460	215T	X10E2BCR	D	FG	T3B	\$1,720	DS-3CXD	20.0	190	89.5	25.5/12.8
15	1800	230/460	254T	X15E2BCR	CD	FG	T3C	\$2,330	DS-3CXD	26.1	316	91.0	37/18.5	

Note 13 Steel Frame Construction

Note 24 Automatic Reset Thermal Protector Overload

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Div. 1 Hazardous Duty, Dual Label



L4

APPLICATIONS:

For the specific requirements of centrifugal pumps located in hazardous locations as defined by Class and Group.

FEATURES:

- UL[®] Listed & CSA[®] Certified
- Cast Iron Frame, End Brackets & Conduit Box
- Stainless Steel Nameplate & Zinc Plated Hardware
- Cast Iron Inner Bearing Caps
- 40°C Ambient, NEMA[®] Design B Performance On 60 Hertz Sine Wave Power
- Class I Group D, Class II Group F&G, T3B
- Regreasable Bearings, Lifting Provisions
- Double Shielded Bearings
- 1.0 Service Factor at 60 Hertz
- Class F Insulation
- "JM" Shaft for Mechanical Seal
- Conversion Kits: Cast Iron Fan Cover

Energy Efficient

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3	3600	230/460	182JM	XJ3E1BM	\$1,032	DS-3PT	18.4	104	85.5	7.9/3.9	
	1800	230/460	182JM	XJ3E2BM	\$925	DS-3PT	18.4	96	87.5	8.2/4.1	
5	3600	230/460	184JM	XJ5E1BM	\$1,266	DS-3PT	18.4	115	87.5	12.2/6.1	
	1800	230/460	184JM	XJ5E2BM	\$1,056	DS-3PT	18.4	105	87.5	12.7/6.4	
7 1/2	3600	230/460	213JM	XJ7E1BM	\$1,566	DS-3PT	21.0	145	88.5	18.4/9.2	

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase, Div.1 Hazardous Location Class I (Group C&D), Class II (Group E, F, & G)



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment located in hazardous areas.

FEATURES:

- UL[®]† Listed & CSA[®]† Certified
- Temperature Code T3C
- Class B Insulation
- Continuous Duty
- Totally Enclosed Fan Cooled Except Where Noted
- 40°C Ambient Rated
- F1 Assembly

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230&110/220	56	XS14CA2J	\$482	DS-3FMP	1.00	12.5	32	5.1/2.5-2.5&5.6/2.8	24
	1200	115/230	56	XS14CA3P	\$706	DS-3FMP	1.00	13.0	32	6.8/3.4	24
1/3	3600	115/208-230	56	XS13CA1J	\$560	DS-3FMP	1.00	13.2	29	8.0/3.6-4.0	24
	1800	115/208-230	56	XS13CA2J	\$512	DS-3FMP	1.00	12.7	32	6.8/3.3-3.4	24
	1200	115/230	56	XS13CA3P	\$912	DS-3FMP	1.00	12.7	32	7.2/3.6	24
1/2	3600	115/208-230	56	XS12CA1J	\$608	DS-3FMP	1.00	13.2	29	8.8/4.1-4.4	24
	1800	115/208-230	56	XS12CA2J	\$563	DS-3FMP	1.00	13.2	32	9.8/4.9-4.9	24
	1200	115/230	56H	XS12CA3P	\$1,053	DS-3FMP	1.00	14.2	32	10.0/5.0	24
3/4	3600	115/208-230	56	XS34CA1J	\$686	DS-3FMP	1.00	13.2	32	10.4/5.3-5.2	24
	1800	115/208-230	56	XS34CA2J	\$630	DS-3FMP	1.00	13.7	32	12.6/6.3-6.3	24
1	3600	115/208-230	56	XS1CA1J	\$608	DS-3FMP	1.00	14.2	41	12.0/6.3-6.0	24
	1800	115/208-230	56H	XS1CA2JH	\$714	DS-3FMP	1.00	14.2	32	14.0/6.9-7.0	24

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230&110/220	56C	XS14CA2JCR	\$482	DS-3FMP	1.00	11.9	32	5.1/2.5-2.5&5.6/2.8	24
1/3	3600	115/208-230	56C	XS13CA1JCR	\$614	DS-3FMP	1.00	13.3	29	8.0/3.6-4.0	24
	1800	115/208-230	56C	XS13CA2JCR	\$537	DS-3FMP	1.00	12.8	32	6.8/3.3-3.4	24
1/2	3600	115/208-230	56C	XS12CA1JCR	\$681	DS-3FMP	1.00	13.3	29	8.8/4.1-4.4	24
	1800	115/208-230	56C	XS12CA2JCR	\$563	DS-3FMP	1.00	13.8	32	9.8/4.9-4.9	24
3/4	3600	115/208-230	56C	XS34CA1JCR	\$728	DS-3FMP	1.00	13.3	32	10.4/5.3-5.2	24
	1800	115/208-230	56C	XS34CA2JCR	\$630	DS-3FMP	1.00	14.3	32	12.6/6.3-6.3	24
1	3600	115/208-230	56C	XS1CA1JCR	\$784	DS-3FMP	1.00	14.3	42	12.0/6.3-6.0	24
	1800	115/208-230	56C	XS1CA2JCR	\$675	DS-3FMP	1.00	14.8	44	14.0/6.9-7.0	24

Note 24 Automatic Reset Thermal Protector Overload

† All marks shown within this document are properties of their respective owners.



C-Face Motors

For air compressors, pumps, conveyors, blowers
and general industrial equipment.



Horsepower: 1/4 – 60 HP

Phase: Single and Three Phase

RPM: 1200, 1800, 3600 RPM

Voltage:

- 115
- 115/230
- 115/208-230
- 208-230/460
- 230/460
- 200
- 575

Efficiency:

- Footed
- Footless

Types:

- Split Phase ODP
- Capacitor Start ODP
- Capacitor Start TEFC
- Single and Three Phase Hazardous Location
- ODP Energy Efficient
- UNIMOUNT® TEFC Energy Efficient
- Totally Enclosed, Fan Cooled (TEFC)
- 841 PLUS® Premium Efficient TEFC



C-Face Footed & Footless Motors for a variety of industrial needs

Single Phase:

- Open Dripproof (ODP)
- Totally Enclosed, Fan Cooled (TEFC)

Three Phase:

- Open Dripproof Energy Efficient
- UNIMOUNT® Totally Enclosed Fan Cooled Energy Efficient
- CORRO-DUTY® Totally Enclosed Fan Cooled NEMA®† Premium

* Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives.

† All marks shown within this document are properties of their respective owners.

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC), C-Face Footed



APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

UNIMOUNT® NEMA®† Premium Efficient (Discount Symbol DS-3AL)

- WORLD MOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

STEEL EDGE™ (Discount Symbol DS-3RST)

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2AC	\$246	DS-3RST	1.25	10.8	20	70.0	1.3-1.4/0.7	26, NNP
	1800	575	56C	U14S2GC	\$246	DS-3RST	1.25	10.8	22	75.5	0.4	26, NNP
	1200	208-230/460	56C	U14S3AC	\$323	DS-3RST	1.25	10.8	22	72.0	1.1-1.2/0.6	26, NNP
1/3	1800	208-230/460	56C	U13S2AC	\$281	DS-3RST	1.25	10.8	20	72.0	1.4-1.5/0.7	26, NNP
	1800	575	56C	U13S2GC	\$281	DS-3RST	1.25	10.8	47	75.5	0.5	26, NNP
	1200	208-230/460	56C	U13S3AC	\$361	DS-3RST	1.25	10.8	23	75.5	1.3-1.3/0.6	26, NNP
1/2	3600	208-230/460	56C	U12S1AC	\$306	DS-3RST	1.25	10.8	25	70.0	1.7-1.6/0.8	26, NNP
	1800	208-230/460	56C	U12S2AC	\$306	DS-3RST	1.25	10.8	26	74.0	1.8-1.8/0.9	26, NNP
	1800	575	56C	U12S2GC	\$306	DS-3RST	1.25	10.8	36	74.0	0.7	26, NNP
	1200	208-230/460	56C	U12S3AC	\$393	DS-3RST	1.25	11.5	26	72.0	2.2-2.2/1.1	NNP
3/4	3600	208-230/460	56C	U34S1AC	\$319	DS-3RST	1.25	10.8	26	74.0	2.5-2.2/1.1	26, NNP
	1800	208-230/460	56C	U34S2AC	\$329	DS-3RST	1.25	10.8	32	77.0	2.7-2.7/1.4	26, NNP
	1800	575	56C	U34S2GC	\$329	DS-3RST	1.25	10.8	27	75.5	1.1	26, NNP
	1200	208-230/460	143TC	U34S3DC	\$464	DS-3RST	1.25	12.1	30	72.0	3.1-3.1/1.6	26, NNP
	1200	208-230/460	56C	U34S3AC	\$464	DS-3RST	1.25	12.9	33	-	3.1-3.2/1.6	NNP
1	3600	208-230/460	56C	U1S1AC	\$360	DS-3RST	1.25	10.8	15	74.0	3.2-2.9/1.5	26, NNP
	1800	208-230/460	143TC	U1P2DC	\$503	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFC	\$347	DS-3RST	1.25	10.8	28	80.0	3.4-3.4/1.7	26, NNP
	1800	575	143TC	U1P2GC	\$503	DS-3RST	1.25	12.1	50	85.5	1.1	
	1800	575	56C	U1S2GFC	\$347	DS-3RST	1.25	10.8	40	81.5	1.4	26, NNP
	1200	208-230/460	145TC	U1P3DC	\$655	DS-3RST	1.25	13.1	40	82.5	3.6-3.5/1.8	03
	1200	208-230/460	56C	U1S3DFC	\$471	DS-3RST	1.25	10.8	36	78.5	3.8-3.9/2	26, NNP
	1200	575	145TC	U1P3GC	\$655	DS-3RST	1.25	13.1	40	82.5	1.4	
1 1/2	3600	200	143TC	U32P1HC	\$567	DS-3RST	1.25	12.1	30	84.0	4.4	
	3600	208-230/460	143TC	U32P1DC	\$567	DS-3RST	1.25	12.1	30	84.0	4.2-3.9/1.9	03
	3600	208-230/460	56C	U32S1AFC	\$400	DS-3RST	1.25	10.8	32	78.5	4.6-4/2	26, NNP
	3600	575	143TC	U32P1GC	\$567	DS-3RST	1.25	12.1	30	84.0	1.6	
	1800	200	145TC	U32P2HC	\$549	DS-3RST	1.25	13.1	60	86.5	4.7	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note NNP Non-NEMA®† Premium Rating

Note 26 Does not include WORLD MOTOR® features

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC), C-Face Footed



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	1800	208-230/460	145TC	U32P2DC	\$549	DS-3RST	1.25	13.1	35	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56C	U32S2AFC	\$384	DS-3RST	1.25	10.8	32	81.5	4.7-4.7/2.3	26,NNP
	1800	575	145TC	U32P2GC	\$549	DS-3RST	1.25	13.1	35	86.5	1.7	
	1800	575	56C	U32S2GFC	\$384	DS-3RST	1.25	12.1	32	80.0	1.9	26,NNP
	1200	208-230/460	182TC	U32P3DC	\$845	DS-3AL	1.25	16.2	60	87.5	4.8-4.7/2.3	
	1200	575	182TC	U32P3GC	\$845	DS-3AL	1.25	16.2	60	87.5	1.8	
2	3600	208-230/460	145TC	U2P1DC	\$659	DS-3RST	1.25	13.1	40	85.5	5.4-4.9/2.5	03
	3600	208-230/460	56C	U2S1AFC	\$475	DS-3RST	1.25	12.1	30	80.0	5.9-5.3/2.6	26,NNP
	3600	575	145TC	U2P1GC	\$659	DS-3RST	1.25	13.1	40	85.5	2	
	1800	208-230/460	145TC	U2P2DC	\$593	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFC	\$421	DS-3RST	1.25	10.8	42	82.5	6.3-6.3/3.2	26,NNP
	1800	575	145TC	U2P2GC	\$593	DS-3RST	1.25	13.1	45	86.5	2.3	
	1800	575	56C	U2S2GFC	\$421	DS-3RST	1.25	12.5	39	-	2.5	NNP
	1200	208-230/460	184TC	U2P3DC	\$930	DS-3AL	1.25	16.9	70	88.5	6.4-6.2/3.1	
3	3600	208-230/460	145TC	U3P1A14C	\$772	DS-3RST	1.25	13.1	53	86.5	8.1-7.2/3.6	03,14
	3600	208-230/460	182TC	U3P1DC	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	182TCH	U3P1DK	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	56C	U3S1AFC	\$522	DS-3RST	1.25	10.8	32	82.5	8.5-7.5/3.8	26,NNP
	1800	208-230/460	182TC	S3P2AC	\$669	DS-3RST	1.15	15.9	85	89.5	8.4-7.8/3.9	04,16,26
	1800	208-230/460	182TC	U3P2DC	\$772	DS-3AL	1.25	16.2	70	89.5	8.4-7.8/3.9	
	1800	208-230/460	182TCH	U3P2DK	\$772	DS-3AL	1.25	16.2	60	89.5	8.4-7.8/3.9	
	1800	575	182TC	U3P2GC	\$772	DS-3AL	1.25	16.2	60	89.5	3.2	
5	1200	208-230/460	213TC	U3P3DC	\$1,150	DS-3AL	1.25	18.8	110	89.5	9.3-8.6/4.3	
	3600	208-230/460	184TC	S5P1AC	\$770	DS-3RST	1.15	15.9	65	88.5	13.6-12.1/6.1	04,16,26
	3600	208-230/460	184TC	U5P1DC	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	3600	208-230/460	184TCH	U5P1DK	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	1800	200	184TCH	U5P2HK	\$882	DS-3AL	1.25	16.9	80	89.5	14.2	
	1800	208-230/460	184TC	S5P2AC	\$770	DS-3RST	1.15	15.9	110	89.5	13.5-12.5/6.2	04,16,26
	1800	208-230/460	184TC	U5P2DC	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	208-230/460	184TCH	U5P2DK	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	575	184TC	U5P2GC	\$882	DS-3AL	1.25	16.9	70	89.5	5	
	1200	208-230/460	215TC	U5P3DC	\$1,597	DS-3AL	1.25	20.3	135	90.2	15-14/7	
7 1/2	1200	575	215TC	U5P3GC	\$1,597	DS-3AL	1.25	20.3	135	89.5	5.6	
	3600	208-230/460	213TC	S7P1AC	\$1,128	DS-3RST	1.15	19.4	116	90.2	19.9-17.9/9	04,16,26
	3600	208-230/460	213TC	U7P1DC	\$1,306	DS-3AL	1.25	18.8	105	91.0	19.9-17.8/8.9	03
	3600	575	213TC	U7P1GC	\$1,306	DS-3AL	1.25	18.8	105	89.5	7.5	
	1800	208-230/460	213TC	S7P2AC	\$1,074	DS-3RST	1.15	19.4	90	91.7	20-18.1/9.1	04,16,26
	1800	208-230/460	213TC	U7P2DC	\$1,192	DS-3AL	1.25	18.8	105	91.7	20-18.2/9.1	
10	1200	208-230/460	254TC	U7P3DC	\$2,147	DS-3AL	1.25	24.0	180	91.0	20.6-19/9.5	
	3600	208-230/460	215TC	S10P1AC	\$1,336	DS-3RST	1.15	19.4	131	90.2	26.5-23.5/11.7	04,16,26
	3600	208-230/460	215TC	U10P1DC	\$1,511	DS-3AL	1.25	20.3	125	91.7	26.4-23.5/11.8	
	3600	575	215TC	U10P1GC	\$1,511	DS-3AL	1.25	20.1	125	91.7	9.4	
	1800	208-230/460	215TC	S10P2AC	\$1,272	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26
	1800	208-230/460	215TC	U10P2DC	\$1,416	DS-3AL	1.25	20.3	133	91.7	26.5-23.9/12	
	1800	575	215TC	U10P2GC	\$1,416	DS-3AL	1.25	20.3	133	91.7	9.6	
	1200	208-230/460	256TC	U10P3DC	\$2,558	DS-3AL	1.25	25.8	250	91.7	27.1-24.6/12.3	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 14 NEMA® Design A
 Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLDMOTOR® features
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC), C-Face Footed



(continued)

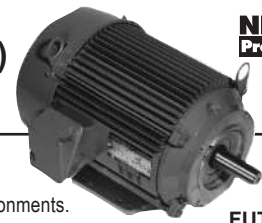
HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
15	3600	208-230/460	215TC	U15P1DFC	\$1,812	DS-3AL	1.25	21.5	125	91.0	39-35/17.6	
	3600	208-230/460	254TC	U15P1DC	\$2,174	DS-3AL	1.25	24.0	180	91.0	39-35/17.3	02,03
	3600	575	254TC	U15P1GC	\$2,174	DS-3AL	1.25	24.0	185	91.0	13.9	
	1800	208-230/460	254TC	U15P2DC	\$1,973	DS-3AL	1.25	24.0	240	92.4	40-37/18.4	
20	3600	208-230/460	256TC	U20P1DC	\$2,650	DS-3AL	1.25	25.8	230	91.0	53-46/23	02,03
	3600	575	256TC	U20P1GC	\$2,650	DS-3AL	1.25	25.8	230	91.0	18.5	02
	1800	208-230/460	256TC	U20P2DC	\$2,391	DS-3AL	1.25	25.8	250	93.0	53-47/23.7	
25	3600	208-230/460	284TC	U25P1DC	\$3,268	DS-3AL	1.15	28.3	250	91.7	65-57/28.4	
	1800	208-230/460	284TC	U25P2DC	\$2,890	DS-3AL	1.15	28.3	290	93.6	65-59/29.3	
30	1800	208-230/460	286TC	U30P2DC	\$3,333	DS-3AL	1.25	28.4	325	93.6	78-73/36	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz;
 Full 60 & 50 Hz data on Nameplate

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General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA® Premium Efficient – IE3, C-Face Footed



**NEMA
Premium**

UT,
FUT, UTE

APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	1200	208-230/460	182TC	U32P3DC	\$845	DS-3AL	1.25	16.2	60	87.5	4.8-4.7/2.3	
	1200	575	182TC	U32P3GC	\$845	DS-3AL	1.25	16.2	60	87.5	1.8	
2	1200	208-230/460	184TC	U2P3DC	\$930	DS-3AL	1.25	16.9	70	88.5	6.4-6.2/3.1	
3	3600	208-230/460	182TC	U3P1DC	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	182TCH	U3P1DK	\$860	DS-3AL	1.25	16.2	50	87.5	8.4-7.8/3.9	
	1800	208-230/460	182TC	U3P2DC	\$772	DS-3AL	1.25	16.2	70	89.5	8.4-7.8/3.9	
	1800	208-230/460	182TCH	U3P2DK	\$772	DS-3AL	1.25	16.2	60	89.5	8.4-7.8/3.9	
	1800	575	182TC	U3P2GC	\$772	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3P3DC	\$1,150	DS-3AL	1.25	18.8	110	89.5	9.3-8.6/4.3	
5	3600	208-230/460	184TC	U5P1DC	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	3600	208-230/460	184TCH	U5P1DK	\$1,056	DS-3AL	1.25	16.2	75	88.5	13.4-12.2/6.1	
	1800	200	184TCH	U5P2HK	\$882	DS-3AL	1.25	16.9	80	89.5	14.2	
	1800	208-230/460	184TC	U5P2DC	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	208-230/460	184TCH	U5P2DK	\$882	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	575	184TC	U5P2GC	\$882	DS-3AL	1.25	16.9	70	89.5	5	
	1200	208-230/460	215TC	U5P3DC	\$1,597	DS-3AL	1.25	20.3	135	90.2	15-14/7	
1200	575	215TC	U5P3GC	\$1,597	DS-3AL	1.25	20.3	135	89.5	5.6		
7 1/2	3600	208-230/460	213TC	U7P1DC	\$1,306	DS-3AL	1.25	18.8	105	91.0	19.9-17.8/8.9	03
	3600	575	213TC	U7P1GC	\$1,306	DS-3AL	1.25	18.8	105	89.5	7.5	
	1800	208-230/460	213TC	U7P2DC	\$1,192	DS-3AL	1.25	18.8	105	91.7	20-18.2/9.1	
	1200	208-230/460	254TC	U7P3DC	\$2,147	DS-3AL	1.25	24.0	180	91.0	20.6-19/9.5	
10	3600	208-230/460	215TC	U10P1DC	\$1,511	DS-3AL	1.25	20.3	125	91.7	26.4-23.5/11.8	
	3600	575	215TC	U10P1GC	\$1,511	DS-3AL	1.25	20.1	125	91.7	9.4	
	1800	208-230/460	215TC	U10P2DC	\$1,416	DS-3AL	1.25	20.3	133	91.7	26.5-23.9/12	
	1800	575	215TC	U10P2GC	\$1,416	DS-3AL	1.25	20.3	133	91.7	9.6	
	1200	208-230/460	256TC	U10P3DC	\$2,558	DS-3AL	1.25	25.8	250	91.7	27.1-24.6/12.3	
15	3600	208-230/460	215TC	U15P1DFC	\$1,812	DS-3AL	1.25	21.5	125	91.0	39-35/17.6	
	3600	208-230/460	254TC	U15P1DC	\$2,174	DS-3AL	1.25	24.0	180	91.0	39-35/17.3	02,03
	3600	575	254TC	U15P1GC	\$2,174	DS-3AL	1.25	24.0	185	91.0	13.9	
	1800	208-230/460	254TC	U15P2DC	\$1,973	DS-3AL	1.25	24.0	240	92.4	40-37/18.4	
20	3600	208-230/460	256TC	U20P1DC	\$2,650	DS-3AL	1.25	25.8	230	91.0	53-46/23	02,03
	3600	575	256TC	U20P1GC	\$2,650	DS-3AL	1.25	25.8	230	91.0	18.5	02
	1800	208-230/460	256TC	U20P2DC	\$2,391	DS-3AL	1.25	25.8	250	93.0	53-47/23.7	
25	3600	208-230/460	284TC	U25P1DC	\$3,268	DS-3AL	1.15	28.3	250	91.7	65-57/28.4	
	1800	208-230/460	284TC	U25P2DC	\$2,890	DS-3AL	1.15	28.3	290	93.6	65-59/29.3	
30	1800	208-230/460	286TC	U30P2DC	\$3,333	DS-3AL	1.25	28.4	325	93.6	78-73/36	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT™
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIP-PROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footed



APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2AC	\$246	DS-3RST	1.25	10.8	20	70.0	1.3-1.4/0.7	26, NNP
	1800	575	56C	U14S2GC	\$246	DS-3RST	1.25	10.8	22	75.5	0.4	26, NNP
	1200	208-230/460	56C	U14S3AC	\$323	DS-3RST	1.25	10.8	22	72.0	1.1-1.2/0.6	26, NNP
1/3	1800	208-230/460	56C	U13S2AC	\$281	DS-3RST	1.25	10.8	20	72.0	1.4-1.5/0.7	26, NNP
	1800	575	56C	U13S2GC	\$281	DS-3RST	1.25	10.8	47	75.5	0.5	26, NNP
	1200	208-230/460	56C	U13S3AC	\$361	DS-3RST	1.25	10.8	23	75.5	1.3-1.3/0.6	26, NNP
1/2	3600	208-230/460	56C	U12S1AC	\$306	DS-3RST	1.25	10.8	25	70.0	1.7-1.6/0.8	26, NNP
	1800	208-230/460	56C	U12S2AC	\$306	DS-3RST	1.25	10.8	26	74.0	1.8-1.8/0.9	26, NNP
	1800	575	56C	U12S2GC	\$306	DS-3RST	1.25	10.8	36	74.0	0.7	26, NNP
	1200	208-230/460	56C	U12S3AC	\$393	DS-3RST	1.25	11.5	26	72.0	2.2-2.2/1.1	NNP
3/4	3600	208-230/460	56C	U34S1AC	\$319	DS-3RST	1.25	10.8	26	74.0	2.5-2.2/1.1	26, NNP
	1800	208-230/460	56C	U34S2AC	\$329	DS-3RST	1.25	10.8	32	77.0	2.7-2.7/1.4	26, NNP
	1800	575	56C	U34S2GC	\$329	DS-3RST	1.25	10.8	27	75.5	1.1	26, NNP
	1200	208-230/460	143TC	U34S3DC	\$464	DS-3RST	1.25	12.1	30	72.0	3.1-3.1/1.6	26, NNP
1	1200	208-230/460	56C	U34S3AC	\$464	DS-3RST	1.25	12.9	33	-	3.1-3.2/1.6	NNP
	3600	208-230/460	56C	U1S1AC	\$360	DS-3RST	1.25	10.8	15	74.0	3.2-2.9/1.5	26, NNP
	1800	208-230/460	143TC	U1P2DC	\$503	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFC	\$347	DS-3RST	1.25	10.8	28	80.0	3.4-3.4/1.7	26, NNP
	1800	575	143TC	U1P2GC	\$503	DS-3RST	1.25	12.1	50	85.5	1.1	
	1800	575	56C	U1S2GFC	\$347	DS-3RST	1.25	10.8	40	81.5	1.4	26, NNP
	1200	208-230/460	145TC	U1P3DC	\$655	DS-3RST	1.25	13.1	40	82.5	3.6-3.5/1.8	03
	1200	208-230/460	56C	U1S3DFC	\$471	DS-3RST	1.25	10.8	36	78.5	3.8-3.9/2	26, NNP
1 1/2	1200	575	145TC	U1P3GC	\$655	DS-3RST	1.25	13.1	40	82.5	1.4	
	3600	200	143TC	U32P1HC	\$567	DS-3RST	1.25	12.1	30	84.0	4.4	
	3600	208-230/460	143TC	U32P1DC	\$567	DS-3RST	1.25	12.1	30	84.0	4.2-3.9/1.9	03
	3600	208-230/460	56C	U32S1AFC	\$400	DS-3RST	1.25	10.8	32	78.5	4.6-4/2	26, NNP
	3600	575	143TC	U32P1GC	\$567	DS-3RST	1.25	12.1	30	84.0	1.6	
	1800	200	145TC	U32P2HC	\$549	DS-3RST	1.25	13.1	60	86.5	4.7	
	1800	208-230/460	145TC	U32P2DC	\$549	DS-3RST	1.25	13.1	35	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56C	U32S2AFC	\$384	DS-3RST	1.25	10.8	32	81.5	4.7-4.7/2.3	26, NNP
	1800	575	145TC	U32P2GC	\$549	DS-3RST	1.25	13.1	35	86.5	1.7	
	1800	575	56C	U32S2GFC	\$384	DS-3RST	1.25	12.1	32	80.0	1.9	26, NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 26 Does not include WORLDMOTOR® features

Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footed



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
2	3600	208-230/460	145TC	U2P1DC	\$659	DS-3RST	1.25	13.1	40	85.5	5.4-4.9/2.5	03
	3600	208-230/460	56C	U2S1AFC	\$475	DS-3RST	1.25	12.1	30	80.0	5.9-5.3/2.6	26, NNP
	3600	575	145TC	U2P1GC	\$659	DS-3RST	1.25	13.1	40	85.5	2	
	1800	208-230/460	145TC	U2P2DC	\$593	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFC	\$421	DS-3RST	1.25	10.8	42	82.5	6.3-6.3/3.2	26, NNP
	1800	575	145TC	U2P2GC	\$593	DS-3RST	1.25	13.1	45	86.5	2.3	
	1800	575	56C	U2S2GFC	\$421	DS-3RST	1.25	12.5	39	-	2.5	NNP
3	3600	208-230/460	145TC	U3P1A14C	\$772	DS-3RST	1.25	13.1	53	86.5	8.1-7.2/3.6	03,14
	3600	208-230/460	56C	U3S1AFC	\$522	DS-3RST	1.25	10.8	32	82.5	8.5-7.5/3.8	26, NNP
	1800	208-230/460	182TC	S3P2AC	\$669	DS-3RST	1.15	15.9	85	89.5	8.4-7.8/3.9	04,16,26
5	3600	208-230/460	184TC	S5P1AC	\$770	DS-3RST	1.15	15.9	65	88.5	13.6-12.1/6.1	04,16,26
	1800	208-230/460	184TC	S5P2AC	\$770	DS-3RST	1.15	15.9	110	89.5	13.5-12.5/6.2	04,16,26
7 1/2	3600	208-230/460	213TC	S7P1AC	\$1,128	DS-3RST	1.15	19.4	116	90.2	19.9-17.9/9	04,16,26
	1800	208-230/460	213TC	S7P2AC	\$1,074	DS-3RST	1.15	19.4	90	91.7	20-18.1/9.1	04,16,26
10	3600	208-230/460	215TC	S10P1AC	\$1,336	DS-3RST	1.15	19.4	131	90.2	26.5-23.5/11.7	04,16,26
	1800	208-230/460	215TC	S10P2AC	\$1,272	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power
 Note 14 NEMA^{®†} Design A

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLDMOTOR[®] features
 Note NNP Non-NEMA^{®†} Premium Rating

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GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

General Purpose Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face Footless

APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

UNIMOUNT® NEMA®† Premium Efficient (Discount Symbol DS-3AL)

- WORLD MOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

STEEL EDGE™ (Discount Symbol DS-3RST)

- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2DCR	\$231	DS-3RST	1.25	10.8	23	70.0	1-1/0.5	16, NNP
	1200	208-230/460	56C	T14S3DCR	\$308	DS-3RST	1.15	11.3	27	75.5	1.4-1.4/0.7	NNP
1/3	3600	208-230/460	56C	T13S1ACR	\$279	DS-3RST	1.15	10.9	32	-	1.7-1.8/0.9	103, NNP
	1800	208-230/460	42CZ	T13S2D4ZCR	\$266	DS-3RST	1.00	11.6	9	-	1.5-1.5/0.75	26, NNP
	1800	208-230/460	56C	U13S2ACR	\$266	DS-3RST	1.25	10.8	25	72.0	1.2-1.2/0.6	16, NNP
	1800	575	56C	T13S2GCR	\$266	DS-3RST	1.15	11.4	26	-	0.59	103, NNP
	1200	208-230/460	56C	T13S3DCR	\$346	DS-3RST	1.15	11.3	32	77.0	1.6-1.6/0.80	NNP
1/2	3600	208-230/460	56C	T12S1ACR	\$291	DS-3RST	1.15	10.9	32	64.0	2.18-2.18/1.09	103, NNP
	1800	208-230/460	56C	U12P2DCR	\$378	DS-3RST	1.25	12.1	30	82.5	1.8-1.8/0.9	03
	1800	208-230/460	56C	U12S2ACR	\$291	DS-3RST	1.25	10.8	25	75.5	1.8-1.7/0.9	16, NNP
	1800	575	56C	U12S2GCR	\$291	DS-3RST	1.25	10.8	27	74.0	0.7	NNP
	1200	208-230/460	56C	U12S3ACR	\$378	DS-3RST	1.25	10.8	25	72.0	2.1-2.1/1.1	16, NNP
3/4	3600	208-230/460	56C	U34S1ACR	\$304	DS-3RST	1.25	10.8	27	75.5	2.5-2.2/1.1	16, NNP
	1800	208-230/460	56C	U34P2DCR	\$408	DS-3RST	1.25	12.1	30	84.0	2.3-2.3/1.1	03
	1800	208-230/460	56C	U34S2ACR	\$314	DS-3RST	1.25	10.8	28	78.5	2.6-2.7/1.3	16, NNP
	1800	575	56C	U34S2GCR	\$314	DS-3RST	1.25	10.8	28	80.0	0.9	NNP
	1200	208-230/460	143TC	6252	\$720	DS-3RST	1.15	12.1	30	77.0	3.4-3.5/1.7	103, NNP
	1200	208-230/460	56C	U34S3ACR	\$449	DS-3RST	1.15	12.9	32	-	3.1-3.2/1.6	103, NNP
1	3600	208-230/460	56C	U1S1ACR	\$345	DS-3RST	1.25	10.8	38	74.0	3.2-2.9/1.5	16, NNP
	1800	208-230/460	143TC	U1E2DCR	\$403	DS-3RST	1.15	12.1	35	82.5	3.1-3/1.5	NNP
	1800	208-230/460	143TC	U1P2DCR	\$488	DS-3RST	1.25	12.1	35	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1P2DFCR	\$488	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFCR	\$332	DS-3RST	1.25	10.8	31	81.5	3.3-3.4/1.7	16, NNP
	1800	575	143TC	U1E2GCR	\$403	DS-3RST	1.25	12.1	35	82.5	1.2	NNP
	1800	575	56C	U1S2GFRCR	\$332	DS-3RST	1.25	12.1	31	80.0	1.4	NNP
	1200	208-230/460	56C	T1S3ACR	\$456	DS-3RST	1.15	13.4	32	83.0	3.7-3.8/1.9	103, NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLD MOTOR® features

Note 103 Does not accept brake kit

Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face Footless

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	3600	208-230/460	143TC	U32E1A14CR	\$552	DS-3RST	1.15	11.9	32	82.5	4.9-5.0/2.5	103,NNP
	3600	208-230/460	56C	T32S1ACR	\$385	DS-3RST	1.15	11.9	27	80.0	4.7-4.5/2.2	103,NNP
	1800	208-230/460	145TC	U32E2DCR	\$439	DS-3RST	1.25	12.1	40	84.0	4.6-4.3/2.2	NNP
	1800	208-230/460	145TC	U32P2DCR	\$534	DS-3RST	1.25	13.1	40	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56C	T32E2ACR	\$439	DS-3RST	1.25	12.9	32	84.0	4.5-4.5/2.2	103,NNP
	1800	208-230/460	56C	U32S2AFCR	\$369	DS-3RST	1.25	10.8	33	81.5	4.7-4.7/2.3	16,NNP
	1800	575	145TC	U32E2GCR	\$439	DS-3RST	1.15	12.1	80	84.0	1.8	26,NNP
	1800	575	56C	U32S2GFCR	\$369	DS-3RST	1.25	12.1	33	80.0	1.9	NNP
	1200	208-230/460	182TC	U32E3DCR	\$611	DS-3AL	1.25	16.1	55	85.5	5.3-5.3/2.7	03,NNP
	1200	208-230/460	56C	T32S3ACR	\$564	DS-3RST	1.15	14.4	32	-	5.4-5.3/2.6	103,NNP
	1200	575	182TC	U32E3GCR	\$611	DS-3AL	1.25	16.1	50	85.5	2.1	NNP
2	3600	208-230/460	56C	T2S1ACR	\$460	DS-3RST	1.15	11.9	32	80.0	6.0-5.4/2.7	103,NNP
	1800	208-230/460	145TC	U2E2DCR	\$475	DS-3RST	1.25	12.1	45	84.0	6.1-5.9/2.9	NNP
	1800	208-230/460	145TC	U2P2DCR	\$578	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFCR	\$406	DS-3RST	1.25	12.1	43	80.0	6.3-6.2/3.1	16,NNP
	1800	575	145TC	U2E2GCR	\$475	DS-3RST	1.25	12.1	45	84.0	2.4	NNP
	1800	575	56C	T2S2GCR	\$406	DS-3RST	1.15	13.4	26	82.5	2.4	103,NNP
	1200	208-230/460	184TC	U2E3DCR	\$682	DS-3AL	1.25	16.9	70	86.5	7-6.8/3.4	03,NNP
3	3600	208-230/460	145TC	U3E1A14CR	\$528	DS-3RST	1.25	13.4	32	85.5	8.5-7.3/3.6	103,NNP
	3600	208-230/460	182TC	U3E1DCR	\$688	DS-3AL	1.25	16.1	58	85.5	8.7-8/4	03,NNP
	3600	208-230/460	182TCH	U3E1DKR	\$688	DS-3AL	1.25	16.1	53	85.5	8.7-8/4	03,NNP
	3600	208-230/460	56C	T3S1ACR	\$507	DS-3RST	1.15	13.4	32	86.0	8.5-7.3/3.6	103,NNP
	1800	208-230/460	182TC	S3E2ACR	\$569	DS-3RST	1.15	15.9	85	87.5	8.5-7.9/3.9	26,NNP
	1800	208-230/460	182TC	S3P2ACR	\$639	DS-3RST	1.15	15.9	60	89.5	8.4-7.8/3.9	04,16,26
	1800	208-230/460	182TC	U3E2DCR	\$618	DS-3AL	1.25	16.1	67	87.5	8.5-7.9/3.9	03,NNP
	1800	208-230/460	182TC	U3P2DCR	\$742	DS-3AL	1.25	16.1	60	89.5	8.4-7.8/3.9	03
	1800	208-230/460	56C	T3S2ACR	\$517	DS-3RST	1.00	14.9	50	87.5	9.5-9.2/4.6	103,NNP
	1800	575	182TC	U3E2GCR	\$618	DS-3AL	1.25	16.1	60	87.5	3.2	NNP
	1800	575	182TC	U3P2GCR	\$742	DS-3AL	1.25	16.2	60	89.5	3.2	
	1200	208-230/460	213TC	U3E3DCR	\$920	DS-3AL	1.25	18.6	110	87.5	9.7-9.1/4.5	03,NNP
	5	3600	208-230/460	184TC	S5E1ACR	\$655	DS-3RST	1.15	15.9	65	87.5	13.7-12.3/6.1
3600		208-230/460	184TC	S5P1ACR	\$740	DS-3RST	1.15	15.9	70	88.5	13.6-12.1/6.1	04,16,26
3600		208-230/460	184TC	U5E1DCR	\$845	DS-3AL	1.25	16.9	120	87.5	13.8-12.3/6.1	03,NNP
1800		208-230/460	184TC	S5E2ACR	\$655	DS-3RST	1.15	15.9	110	87.5	14.2-12.8/6.4	26,NNP
1800		208-230/460	184TC	S5P2ACR	\$740	DS-3RST	1.15	15.9	70	89.5	13.5-12.5/6.2	04,16,26
1800		208-230/460	184TC	U5E2DCR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	NNP
1800		208-230/460	184TC	U5P2DCR	\$852	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	03
1800		208-230/460	184TCH	U5E2DKR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	03,NNP
1800		575	184TC	U5E2GCR	\$706	DS-3AL	1.25	16.9	70	87.5	5.2	NNP
1200		208-230/460	215TC	U5E3DCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	15.6-14.5/7.3	03,NNP
1200		575	215TC	U5E3GCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	5.8	NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLD MOTOR® features
 Note 103 Does not accept brake kit
 Note NNP Non-NEMA® Premium Rating

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GENERAL PURPOSE UNIMOUNT
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 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

GENERAL PURPOSE UNIMOUNT

General Purpose Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face Footless

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
7 1/2	3600	208-230/460	213TC	S7E1ACR	\$959	DS-3RST	1.15	19.4	55	88.5	20.6-18.4/9.2	26,NNP
	3600	208-230/460	213TC	S7P1ACR	\$1,083	DS-3RST	1.15	19.4	105	90.2	19.9-17.9/9	04,16,26
	3600	208-230/460	213TC	U7E1DCR	\$1,045	DS-3AL	1.25	18.6	100	88.5	20.4-18.4/9.2	03,NNP
	1800	208-230/460	213TC	S7E2ACR	\$913	DS-3RST	1.15	19.4	90	89.5	20.1-18.3/9.1	26,NNP
	1800	208-230/460	213TC	S7P2ACR	\$1,029	DS-3RST	1.15	19.4	0	91.7	20-18.1/9.1	04,16,26
	1800	208-230/460	213TC	U7E2DCR	\$954	DS-3AL	1.15	18.6	110	89.5	20.6-18.8/9.4	03,NNP
	1800	208-230/460	213TC	U7P2DCR	\$1,147	DS-3AL	1.25	18.6	110	91.7	20-18.2/9.1	03
	1800	575	213TC	U7E2GCR	\$954	DS-3AL	1.25	18.6	110	89.5	7.5	NNP
	1200	208-230/460	254TC	U7E3DCR	\$1,718	DS-3AL	1.25	23.9	200	89.5	20.8-18.8/9.4	02,03,NNP
10	3600	208-230/460	215TC	S10E1ACR	\$1,136	DS-3RST	1.15	19.4	65	89.5	26.5-23.5/11.7	26,NNP
	3600	208-230/460	215TC	S10P1ACR	\$1,291	DS-3RST	1.15	19.4	120	90.2	26.5-23.5/11.7	04,16,26
	3600	208-230/460	215TC	U10E1DCR	\$1,209	DS-3AL	1.25	20.1	110	89.5	26.7-23.8/11.9	03,NNP
	1800	208-230/460	215TC	S10E2ACR	\$1,081	DS-3RST	1.15	19.4	120	89.5	26.6-23.8/11.9	26,NNP
	1800	208-230/460	215TC	S10P2ACR	\$1,227	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26
	1800	208-230/460	215TC	U10E2DCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	27.2-24.6/12.3	03,NNP
	1800	208-230/460	215TC	U10P2DCR	\$1,371	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	03
	1800	575	215TC	U10E2GCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	9.9	NNP
	1200	208-230/460	256TC	U10E3DCR	\$2,046	DS-3AL	1.25	25.7	230	89.5	27.5-25/12.5	02,03,NNP
15	3600	208-230/460	215TC	U15E1DFCR	\$1,450	DS-3AL	1.25	20.1	120	90.2	40-35/17.7	02,03,NNP
	3600	208-230/460	254TC	U15E1DCR	\$1,739	DS-3AL	1.25	23.9	210	90.2	40-35/17.6	02,03,NNP
	1800	208-230/460	254TC	U15E2DCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	41-37/18.5	02,03,NNP
	1800	575	254TC	U15E2GCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	14.7	02,NNP
20	3600	208-230/460	256TC	U20E1DCR	\$2,120	DS-3AL	1.25	25.7	230	90.2	53-47/23.4	02,03,NNP
	1800	208-230/460	256TC	U20E2DCR	\$1,913	DS-3AL	1.25	25.7	250	91.0	54-49/24.3	02,03,NNP
25	1800	208-230/460	284TC	U25E2DCR	\$2,312	DS-3AL	1.25	28.3	290	92.4	67-59/29.6	02,03,NNP
30	1800	208-230/460	286TC	U30E2DCR	\$2,666	DS-3AL	1.25	28.3	320	92.4	80-72/36	02,03,NNP

GENERAL PURPOSE STEEL EDGE™

GENERAL PURPOSE HOSTILE DUTY

GENERAL PURPOSE CORRO-DUTY

GENERAL PURPOSE 841 PLUS™

GENERAL PURPOSE OPEN/DRIPPROOF

GENERAL PURPOSE HAZARDOUS LOCATION

GENERAL PURPOSE AUTOMOTIVE DUTY

COOLING TOWER DUTY

HAZARDOUS LOCATION

C-FACE MOTORS ALL TYPES

VARIABLE FREQUENCY

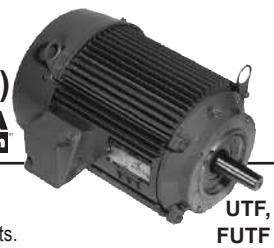
Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts
 Note 26 Does not include WORLD MOTOR® features
 Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT® NEMA®† Premium Efficient – IE3, C-Face Footless



UTF,
FUTF

APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes	
1 1/2	1200	208-230/460	182TC	U32E3DCR	\$611	DS-3AL	1.25	16.1	55	85.5	5.3-5.3/2.7	03,NNP	
	1200	575	182TC	U32E3GCR	\$611	DS-3AL	1.25	16.1	50	85.5	2.1	NNP	
2	1200	208-230/460	184TC	U2E3DCR	\$682	DS-3AL	1.25	16.9	70	86.5	7-6.8/3.4	03,NNP	
	3600	208-230/460	182TC	U3E1DCR	\$688	DS-3AL	1.25	16.1	58	85.5	8.7-8/4	03,NNP	
3	3600	208-230/460	182TCH	U3E1DKR	\$688	DS-3AL	1.25	16.1	53	85.5	8.7-8/4	03,NNP	
	1800	208-230/460	182TC	U3E2DCR	\$618	DS-3AL	1.25	16.1	67	87.5	8.5-7.9/3.9	03,NNP	
	1800	208-230/460	182TC	U3P2DCR	\$742	DS-3AL	1.25	16.1	60	89.5	8.4-7.8/3.9	03	
	1800	575	182TC	U3E2GCR	\$618	DS-3AL	1.25	16.1	60	87.5	3.2	NNP	
	1800	575	182TC	U3P2GCR	\$742	DS-3AL	1.25	16.2	60	89.5	3.2		
	1200	208-230/460	213TC	U3E3DCR	\$920	DS-3AL	1.25	18.6	110	87.5	9.7-9.1/4.5	03,NNP	
	5	3600	208-230/460	184TC	U5E1DCR	\$845	DS-3AL	1.25	16.9	120	87.5	13.8-12.3/6.1	03,NNP
		1800	208-230/460	184TC	U5E2DCR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	NNP
1800		208-230/460	184TC	U5P2DCR	\$852	DS-3AL	1.25	16.9	80	90.2	13.6-12.3/6.2	03	
1800		208-230/460	184TCH	U5E2DKR	\$706	DS-3AL	1.25	16.9	70	87.5	14-12.7/6.3	03,NNP	
1800		575	184TC	U5E2GCR	\$706	DS-3AL	1.25	16.9	70	87.5	5.2	NNP	
1200		208-230/460	215TC	U5E3DCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	15.6-14.5/7.3	03,NNP	
1200		575	215TC	U5E3GCR	\$1,278	DS-3AL	1.25	20.1	140	87.5	5.8	NNP	
7 1/2		3600	208-230/460	213TC	U7E1DCR	\$1,045	DS-3AL	1.25	18.6	100	88.5	20.4-18.4/9.2	03,NNP
	1800	208-230/460	213TC	U7E2DCR	\$954	DS-3AL	1.15	18.6	110	89.5	20.6-18.8/9.4	03,NNP	
	1800	208-230/460	213TC	U7P2DCR	\$1,147	DS-3AL	1.25	18.6	110	91.7	20-18.2/9.1	03	
	1800	575	213TC	U7E2GCR	\$954	DS-3AL	1.25	18.6	110	89.5	7.5	NNP	
	1200	208-230/460	254TC	U7E3DCR	\$1,718	DS-3AL	1.25	23.9	200	89.5	20.8-18.8/9.4	02,03,NNP	
10	3600	208-230/460	215TC	U10E1DCR	\$1,209	DS-3AL	1.25	20.1	110	89.5	26.7-23.8/11.9	03,NNP	
	1800	208-230/460	215TC	U10E2DCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	27.2-24.6/12.3	03,NNP	
	1800	208-230/460	215TC	U10P2DCR	\$1,371	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	03	
	1800	575	215TC	U10E2GCR	\$1,133	DS-3AL	1.25	20.1	120	89.5	9.9	NNP	
	1200	208-230/460	256TC	U10E3DCR	\$2,046	DS-3AL	1.25	25.7	230	89.5	27.5-25/12.5	02,03,NNP	
15	3600	208-230/460	215TC	U15E1DFCR	\$1,450	DS-3AL	1.25	20.1	120	90.2	40-35/17.7	02,03,NNP	
	3600	208-230/460	254TC	U15E1DCR	\$1,739	DS-3AL	1.25	23.9	210	90.2	40-35/17.6	02,03,NNP	
	1800	208-230/460	254TC	U15E2DCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	41-37/18.5	02,03,NNP	
	1800	575	254TC	U15E2GCR	\$1,578	DS-3AL	1.25	23.9	220	91.0	14.7	02,NNP	
20	3600	208-230/460	256TC	U20E1DCR	\$2,120	DS-3AL	1.25	25.7	230	90.2	53-47/23.4	02,03,NNP	
	1800	208-230/460	256TC	U20E2DCR	\$1,913	DS-3AL	1.25	25.7	250	91.0	54-49/24.3	02,03,NNP	
25	1800	208-230/460	284TC	U25E2DCR	\$2,312	DS-3AL	1.25	28.3	290	92.4	67-59/29.6	02,03,NNP	
30	1800	208-230/460	286TC	U30E2DCR	\$2,666	DS-3AL	1.25	28.3	320	92.4	80-72/36	02,03,NNP	

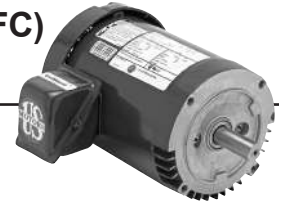
Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz; 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT™
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIP-PROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footless



APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Rolled Steel Frame
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate (140 Frames and Ratings with Note 03)
- Shaft Slinger On Pulley End
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	U14S2DCR	\$231	DS-3RST	1.25	10.8	23	70.0	1-1/0.5	16,NNP
	1200	208-230/460	56C	T14S3DCR	\$308	DS-3RST	1.15	11.3	27	75.5	1.4-1.4/0.7	NNP
1/3	3600	208-230/460	56C	T13S1ACR	\$279	DS-3RST	1.15	10.9	32	-	1.7-1.8/0.9	103,NNP
	1800	208-230/460	42CZ	T13S2D4ZCR	\$266	DS-3RST	1.00	11.6	9	-	1.5-1.5/0.75	26,NNP
	1800	208-230/460	56C	U13S2ACR	\$266	DS-3RST	1.25	10.8	25	72.0	1.2-1.2/0.6	16,NNP
	1800	575	56C	T13S2GCR	\$266	DS-3RST	1.15	11.4	26	-	0.59	103,NNP
	1200	208-230/460	56C	T13S3DCR	\$346	DS-3RST	1.15	11.3	32	77.0	1.6-1.6/0.80	NNP
1/2	3600	208-230/460	56C	T12S1ACR	\$291	DS-3RST	1.15	10.9	32	64.0	2.18-2.18/1.09	103,NNP
	1800	208-230/460	56C	U12P2DCR	\$378	DS-3RST	1.25	12.1	30	82.5	1.8-1.8/0.9	03
	1800	208-230/460	56C	U12S2ACR	\$291	DS-3RST	1.25	10.8	25	75.5	1.8-1.7/0.9	16,NNP
	1800	575	56C	U12S2GCR	\$291	DS-3RST	1.25	10.8	27	74.0	0.7	NNP
	1200	208-230/460	56C	U12S3ACR	\$378	DS-3RST	1.25	10.8	25	72.0	2.1-2.1/1.1	16,NNP
3/4	3600	208-230/460	56C	U34S1ACR	\$304	DS-3RST	1.25	10.8	27	75.5	2.5-2.2/1.1	16,NNP
	1800	208-230/460	56C	U34P2DCR	\$408	DS-3RST	1.25	12.1	30	84.0	2.3-2.3/1.1	03
	1800	208-230/460	56C	U34S2ACR	\$314	DS-3RST	1.25	10.8	28	78.5	2.6-2.7/1.3	16,NNP
	1800	575	56C	U34S2GCR	\$314	DS-3RST	1.25	10.8	28	80.0	0.9	NNP
	1200	208-230/460	56C	U34S3ACR	\$449	DS-3RST	1.15	12.9	32	-	3.1-3.2/1.6	103,NNP
1	3600	208-230/460	56C	U1S1ACR	\$345	DS-3RST	1.25	10.8	38	74.0	3.2-2.9/1.5	16,NNP
	1800	208-230/460	143TC	U1E2DCR	\$403	DS-3RST	1.15	12.1	35	82.5	3.1-3/1.5	NNP
	1800	208-230/460	56C	U1P2DFCR	\$488	DS-3RST	1.25	12.1	30	85.5	3.1-3/1.5	03
	1800	208-230/460	56C	U1S2AFCR	\$332	DS-3RST	1.25	10.8	31	81.5	3.3-3.4/1.7	16,NNP
	1800	575	143TC	U1E2GCR	\$403	DS-3RST	1.25	12.1	35	82.5	1.2	NNP
	1800	575	56C	U1S2GFCR	\$332	DS-3RST	1.25	12.1	31	80.0	1.4	NNP
	1200	208-230/460	56C	T1S3ACR	\$456	DS-3RST	1.15	13.4	32	83.0	3.7-3.8/1.9	103,NNP
1 1/2	3600	208-230/460	143TC	U32E1A14CR	\$552	DS-3RST	1.15	11.9	32	82.5	4.9-5.0/2.5	103,NNP
	3600	208-230/460	56C	T32S1ACR	\$385	DS-3RST	1.15	11.9	27	80.0	4.7-4.5/2.2	103,NNP
	1800	208-230/460	145TC	U32E2DCR	\$439	DS-3RST	1.25	12.1	40	84.0	4.6-4.3/2.2	NNP
	1800	208-230/460	145TC	U32P2DCR	\$534	DS-3RST	1.25	13.1	40	86.5	4.5-4.3/2.1	03
	1800	208-230/460	56C	T32E2ACR	\$439	DS-3RST	1.25	12.9	32	84.0	4.5-4.5/2.2	103,NNP
	1800	208-230/460	56C	U32S2AFCR	\$369	DS-3RST	1.25	10.8	33	81.5	4.7-4.7/2.3	16,NNP
	1800	575	145TC	U32E2GCR	\$439	DS-3RST	1.15	12.1	80	84.0	1.8	26,NNP
	1800	575	56C	U32S2GFCR	\$369	DS-3RST	1.25	12.1	33	80.0	1.9	NNP
	1200	208-230/460	56C	T32S3ACR	\$564	DS-3RST	1.15	14.4	32	-	5.4-5.3/2.6	103,NNP
2	3600	208-230/460	56C	T2S1ACR	\$460	DS-3RST	1.15	11.9	32	80.0	6.0-5.4/2.7	103,NNP
	1800	208-230/460	145TC	U2E2DCR	\$475	DS-3RST	1.25	12.1	45	84.0	6.1-5.9/2.9	NNP
	1800	208-230/460	145TC	U2P2DCR	\$578	DS-3RST	1.25	13.1	45	86.5	5.9-5.7/2.8	03
	1800	208-230/460	56C	U2S2AFCR	\$406	DS-3RST	1.25	12.1	43	80.0	6.3-6.2/3.1	16,NNP
	1800	575	145TC	U2E2GCR	\$475	DS-3RST	1.25	12.1	45	84.0	2.4	NNP
	1800	575	56C	T2S2GCR	\$406	DS-3RST	1.15	13.4	26	82.5	2.4	103,NNP

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 16 Motors marked 208-230/460 volts may not meet all NEMA®† (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLDMOTOR® features

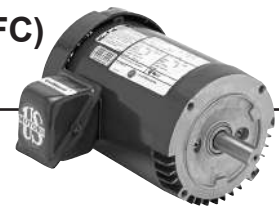
Note 103 Does not accept brake kit

Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) STEEL EDGE™ C-Face Footless



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3	3600	208-230/460	145TC	U3E1A14CR	\$528	DS-3RST	1.25	13.4	32	85.5	8.5-7.3/3.6	103,NNP
	3600	208-230/460	56C	T3S1ACR	\$507	DS-3RST	1.15	13.4	32	86.0	8.5-7.3/3.6	103,NNP
	1800	208-230/460	182TC	S3E2ACR	\$569	DS-3RST	1.15	15.9	85	87.5	8.5-7.9/3.9	26,NNP
	1800	208-230/460	182TC	S3P2ACR	\$639	DS-3RST	1.15	15.9	60	89.5	8.4-7.8/3.9	04,16,26
	1800	208-230/460	56C	T3S2ACR	\$517	DS-3RST	1.00	14.9	50	87.5	9.5-9.2/4.6	103,NNP
5	3600	208-230/460	184TC	S5E1ACR	\$655	DS-3RST	1.15	15.9	65	87.5	13.7-12.3/6.1	26,NNP
	3600	208-230/460	184TC	S5P1ACR	\$740	DS-3RST	1.15	15.9	70	88.5	13.6-12.1/6.1	04,16,26
	1800	208-230/460	184TC	S5E2ACR	\$655	DS-3RST	1.15	15.9	110	87.5	14.2-12.8/6.4	26,NNP
	1800	208-230/460	184TC	S5P2ACR	\$740	DS-3RST	1.15	15.9	70	89.5	13.5-12.5/6.2	04,16,26
7 1/2	3600	208-230/460	213TC	S7E1ACR	\$959	DS-3RST	1.15	19.4	55	88.5	20.6-18.4/9.2	26,NNP
	3600	208-230/460	213TC	S7P1ACR	\$1,083	DS-3RST	1.15	19.4	105	90.2	19.9-17.9/9	04,16,26
	1800	208-230/460	213TC	S7E2ACR	\$913	DS-3RST	1.15	19.4	90	89.5	20.1-18.3/9.1	26,NNP
	1800	208-230/460	213TC	S7P2ACR	\$1,029	DS-3RST	1.15	19.4	105	91.7	20-18.1/9.1	04,16,26
10	3600	208-230/460	215TC	S10E1ACR	\$1,136	DS-3RST	1.15	19.4	65	89.5	26.5-23.5/11.7	26,NNP
	3600	208-230/460	215TC	S10P1ACR	\$1,291	DS-3RST	1.15	19.4	120	90.2	26.5-23.5/11.7	04,16,26
	1800	208-230/460	215TC	S10E2ACR	\$1,081	DS-3RST	1.15	19.4	120	89.5	26.6-23.8/11.9	26,NNP
	1800	208-230/460	215TC	S10P2ACR	\$1,227	DS-3RST	1.15	19.4	120	91.7	26.5-23.9/11.9	04,16,26

Note 04 On 60 Hertz Sine Wave power

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts

Note 26 Does not include WORLDMOTOR® features

Note 103 Does not accept brake kit

Note NNP Non-NEMA®† Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) CORRO-DUTY® NEMA®† Premium Efficient – IE3, C-Face

APPLICATIONS:

For pulp & paper, mill & chemical and any other severe duty environments found in the process industries.



TCE

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- All Cast Iron Construction (Steel Frame & Fan Cover On 140 Frame)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Precision Balance (< 0.08 In/Sec Vibration)
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-210
- Oversized Conduit Box - 1 Size Larger Than NEMA®† Standard
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- Field Convertible To F2 Mounting 180 Frame & Larger
- Condensation Drains With Threaded Brass Breather Plugs
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1 1/2	3600	230/460	143TC	C32P1BC	\$742	DS-3CE	1.15	13.5	57	84.0	3.9/1.9	
	1800	230/460	145TC	C32P2BC	\$717	DS-3CE	1.15	13.5	72	86.5	4.3/2.1	
2	3600	230/460	145TC	C2P1BC	\$864	DS-3CE	1.15	13.5	72	86.5	4.9/2.4	
	1800	230/460	145TC	C2P2BC	\$777	DS-3CE	1.15	13.5	70	86.5	5.6/2.8	
3	3600	230/460	182TC	C3P1BC	\$960	DS-3CE	1.15	16.4	100	88.5	7.8/3.9	
	1800	230/460	182TC	C3P2BC	\$859	DS-3CE	1.15	17.4	100	89.5	7.8/3.9	
5	3600	230/460	184TC	C5P1BC	\$1,180	DS-3CE	1.15	17.4	110	88.5	12.2/6.1	
	1800	230/460	184TC	C5P2BC	\$983	DS-3CE	1.15	17.4	120	89.5	12.5/6.3	
7 1/2	3600	230/460	213TC	C7P1BC	\$1,460	DS-3CE	1.15	20.8	160	91.0	17.8/8.9	
	1800	230/460	213TC	C7P2BC	\$1,331	DS-3CE	1.15	20.8	160	91.7	18.6/9.3	
10	3600	230/460	215TC	C10P1BC	\$1,691	DS-3CE	1.15	20.8	185	91.0	23.5/11.8	
	1800	230/460	215TC	C10P2BC	\$1,584	DS-3CE	1.15	20.8	200	91.7	23.9/12	

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS[®] NEMA^{®†} Premium Efficient



NEMA
Premium

CEF

APPLICATIONS:

For constant speed and inverter duty applications in petro-chemical, pulp & paper, automotive, mining and waste treatment industries.

FEATURES:

- INVERTER GRADE[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- Class F Insulation, Class B Rise At Full Load (Sine Wave Power)
- All Cast Iron Construction
- Corrosion Resistant Mill & Chem Duty Paint (250 Hour Salt Spray Test)
- Stainless Steel Nameplate (with "CE" Mark) & Zinc Plated Hardware
- 40°C Ambient, NEMA^{®†} Design B Performance (Sine Wave Power)
- VBXX^{®†} Bearing Isolators By Inpro/Seal For IP55 Protection
- 5 Year Warranty (2 Years on Inverter Power)

- Same Size Regreasable Open Bearings & Internal Bearing Caps (180 Frame & Up)
- External Grounding Provision, Epoxy Coated Rotor
- 10:1 Variable Torque; 5:1 Constant Torque On Inverter Power
- Precision Balance (< 0.05 In/Sec Vibration)
- 1.15 SF On Sine Wave / 1.0 SF On Inverter Power
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	460	143TC	8P1P2CCR	\$881	DS-841	1.15	13.5	65	85.5	1.5	
	1800	460	143TC	8P1P2CCR2	\$881	DS-841	1.15	13.5	65	85.5	1.5	
	1200	460	145TC	8P1P3CCR	\$1,164	DS-841	1.15	13.5	73	82.5	1.8	
1 1/2	3600	460	143TC	8P32P1CCR	\$971	DS-841	1.15	13.5	68	84.0	1.9	
	1800	460	145TC	8P32P2CCR	\$937	DS-841	1.15	13.5	73	85.5	2.1	
2	3600	460	145TC	8P2P1CCR	\$1,119	DS-841	1.15	13.5	73	85.5	2.5	
	1800	460	145TC	8P2P2CCR	\$1,003	DS-841	1.15	13.5	70	85.5	2.9	
	1800	460	145TC	8P2P2CCR2	\$1,003	DS-841	1.15	13.5	70	85.5	2.9	
	1200	460	184TCH	8P2P3CKR	\$1,350	DS-841	1.15	17.4	115	87.5	3.1	
3	3600	460	182TCH	8P3P1CKR	\$1,192	DS-841	1.15	17.4	100	88.5	3.9	
	1800	460	182TC	8P3P2CCR	\$1,064	DS-841	1.15	17.4	110	89.5	3.9	
	1800	460	182TCH	8P3P2CKR	\$1,064	DS-841	1.15	17.4	110	89.5	4	
	1200	460	213TC	8P3P3CCR	\$1,576	DS-841	1.15	20.8	164	89.5	4.4	
5	1800	460	184TC	8P5P2CCR	\$1,212	DS-841	1.00	17.4	110	89.5	6.3	
	1800	460	184TCH	8P5P2CKR	\$1,212	DS-841	1.15	17.4	110	90.2	6.3	
	1200	460	215TC	8P5P3CCR	\$2,199	DS-841	1.15	20.8	220	90.2	7	
7 1/2	3600	460	213TC	8P7P1CCR	\$1,702	DS-841	1.15	20.8	160	89.5	9.3	
	1800	460	213TC	8P7P2CCR	\$1,550	DS-841	1.15	20.8	160	91.0	9.2	
10	3600	460	215TC	8P10P1CCR	\$1,962	DS-841	1.15	20.8	185	91.0	11.8	
	1800	460	215TC	8P10P2CCR	\$1,837	DS-841	1.15	20.8	200	91.0	12	

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS ALL TYPES
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Div. 1 Hazardous Location Dual & Single Label, C-Face



EF, LF

APPLICATIONS:

For pumps, fans, compressors, conveyors and tools located in hazardous locations as defined by Class and Group.

FEATURES:

For all Products Listed in this Section:

- UL® Listed & CSA® Certified
- Cast Iron Inner Bearing Caps (180 Frame and Larger)
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Up
- Lifting Provisions, 180 Frame & Up
- Conversion Kits: Cast Iron Fan Cover (180 Frame & Up)
- Sealed Bearings 56-140, Shielded 180 Frame & Up
- Class, Group & Temp Code as Noted Below
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

For Catalog Numbers Beginning with "X" or "Y":

- Cast Iron Frame Except Where Noted
- Cast Iron End Brackets & Conduit Box
- Class F Insulation
- 1.00 Service Factor on 60 Hertz Sine Wave Power
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger on Pulley End for IP54 Protection

For Catalog Numbers Beginning with "XS":

- Aluminum End Brackets & Conduit Box
- Class B Insulation
- Steel Frame

Footless

HP	RPM	Voltage	Frame	Catalog Number	Class I Group	Class II Group	Temp Code	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800	208-230/460&190/380	56C	XS13SA2DCR	CD	EFG	T3B	\$490	DS-3CXD	13.3	29	-	1.4-1.3/0.65&1.4/0.7	13,24
	1800	230/460	56C	Y13S2BCR	D	-	T2B	\$638	DS-3F	11.6	49	-	1.5/0.7	
1/2	1800	208-230/460	56C	XS12SA2DCR	CD	EFG	T3B	\$530	DS-3CXD	13.3	30	-	2.0-1.9/1.0	
	1800	230/460	56C	Y12S2BCR	D	-	T2B	\$672	DS-3F	11.6	48	-	1.7/0.9	
3/4	3600	208-230/460	56C	XS34S1ACR	CD	EFG	T3B	\$630	DS-3CXD	13.3	32	-	2.7-2.6/1.3	
	1800	208-230/460	56C	XS34SA2ACR	CD	EFG	T3B	\$601	DS-3CXD	14.3	32	-	2.8-2.9/1.4	13,24
	1800	230/460	56C	Y34S2BCR	D	-	T2B	\$708	DS-3F	11.6	55	-	2.7/1.3	
1	3600	208-230/460	56C	XS1S1ACR	CD	EFG	T3B	\$576	DS-3CXD	13.8	32	-	3.2-3.0/1.5	
	3600	230/460	56C	Y1S1BCR	D	-	T2B	\$716	DS-3F	11.6	50	-	3/1.5	
	1800	208-230/460	143T	XS1P2ACR	CD	EFG	T3B	\$760	DS-3CXD	15.3	42	85.5	3.3-3.3/1.6	
1 1/2	1800	208-230/460	143T	XS32P2ACR	CD	EFG	T3B	\$838	DS-3CXD	15.8	50	86.5	4.9-4.8/2.4	
	1800	230/460	145T	X32E2BCR	D	FG	T3B	\$746	DS-3CXD	13.4	75	86.5	4.3/2.1	
2	1800	208-230/460	145T	XS2P2ACR	CD	EFG	T3B	\$965	DS-3CXD	15.8	45	86.5	6.2-6.0/3.0	
	1800	230/460	145T	X2E2BCR	D	FG	T3B	\$909	DS-3CXD	13.4	75	86.5	5.6/2.8	
3	1800	230/460	182T	X3E2BCR	D	FG	T3B	\$932	DS-3CXD	16.3	105	87.5	8.2/4.1	
5	1800	230/460	184T	X5E2BCR	D	FG	T3B	\$1,070	DS-3CXD	16.3	118	87.5	12.7/6.4	
7 1/2	1800	230/460	213T	X7E2BCR	D	FG	T3B	\$1,443	DS-3CXD	20.0	160	89.5	18.6/9.3	
10	1800	230/460	215T	X10E2BCR	D	FG	T3B	\$1,720	DS-3CXD	20.0	190	89.5	25.5/12.8	
15	1800	230/460	254T	X15E2BCR	CD	FG	T3C	\$2,330	DS-3CXD	26.1	316	91.0	37/18.5	

Note 13 Steel Frame Construction

Note 24 Automatic Reset Thermal Protector Overload

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Div. 1 Hazardous Duty, Dual Label



L4

APPLICATIONS:

For the specific requirements of centrifugal pumps located in hazardous locations as defined by Class and Group.

FEATURES:

- UL[®] Listed & CSA[®] Certified
- Cast Iron Frame, End Brackets & Conduit Box
- Stainless Steel Nameplate & Zinc Plated Hardware
- Cast Iron Inner Bearing Caps
- 40°C Ambient, NEMA[®] Design B Performance On 60 Hertz Sine Wave Power
- Class I Group D, Class II Group F&G, T3B
- Regreasable Bearings, Lifting Provisions
- Double Shielded Bearings
- 1.0 Service Factor at 60 Hertz
- Class F Insulation
- "JM" Shaft for Mechanical Seal
- Conversion Kits: Cast Iron Fan Cover

Energy Efficient

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3	3600	230/460	182JM	XJ3E1BM	\$1,032	DS-3PT	18.4	104	85.5	7.9/3.9	
	1800	230/460	182JM	XJ3E2BM	\$925	DS-3PT	18.4	96	87.5	8.2/4.1	
5	3600	230/460	184JM	XJ5E1BM	\$1,266	DS-3PT	18.4	115	87.5	12.2/6.1	
	1800	230/460	184JM	XJ5E2BM	\$1,056	DS-3PT	18.4	105	87.5	12.7/6.4	
7 1/2	3600	230/460	213JM	XJ7E1BM	\$1,566	DS-3PT	21.0	145	88.5	18.4/9.2	

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase, Div.1 Hazardous Location Class I (Group C&D), Class II (Group E, F, & G)



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment located in hazardous areas.

FEATURES:

- UL[®] Listed & CSA[®] Certified
- Temperature Code T3C
- Class B Insulation
- Continuous Duty
- Totally Enclosed Fan Cooled Except Where Noted
- 40°C Ambient Rated
- F1 Assembly

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230&110/220	56	XS14CA2J	\$482	DS-3FMP	1.00	12.5	32	5.1/2.5-2.5&5.6/2.8	24
	1200	115/230	56	XS14CA3P	\$706	DS-3FMP	1.00	13.0	32	6.8/3.4	24
1/3	3600	115/208-230	56	XS13CA1J	\$560	DS-3FMP	1.00	13.2	29	8.0/3.6-4.0	24
	1800	115/208-230	56	XS13CA2J	\$512	DS-3FMP	1.00	12.7	32	6.8/3.3-3.4	24
	1200	115/230	56	XS13CA3P	\$912	DS-3FMP	1.00	12.7	32	7.2/3.6	24
1/2	3600	115/208-230	56	XS12CA1J	\$608	DS-3FMP	1.00	13.2	29	8.8/4.1-4.4	24
	1800	115/208-230	56	XS12CA2J	\$563	DS-3FMP	1.00	13.2	32	9.8/4.9-4.9	24
	1200	115/230	56H	XS12CA3P	\$1,053	DS-3FMP	1.00	14.2	32	10.0/5.0	24
3/4	3600	115/208-230	56	XS34CA1J	\$686	DS-3FMP	1.00	13.2	32	10.4/5.3-5.2	24
	1800	115/208-230	56	XS34CA2J	\$630	DS-3FMP	1.00	13.7	32	12.6/6.3-6.3	24
1	3600	115/208-230	56	XS1CA1J	\$608	DS-3FMP	1.00	14.2	41	12.0/6.3-6.0	24
	1800	115/208-230	56H	XS1CA2JH	\$714	DS-3FMP	1.00	14.2	32	14.0/6.9-7.0	24

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230&110/220	56C	XS14CA2JCR	\$482	DS-3FMP	1.00	11.9	32	5.1/2.5-2.5&5.6/2.8	24
1/3	3600	115/208-230	56C	XS13CA1JCR	\$614	DS-3FMP	1.00	13.3	29	8.0/3.6-4.0	24
	1800	115/208-230	56C	XS13CA2JCR	\$537	DS-3FMP	1.00	12.8	32	6.8/3.3-3.4	24
1/2	3600	115/208-230	56C	XS12CA1JCR	\$681	DS-3FMP	1.00	13.3	29	8.8/4.1-4.4	24
	1800	115/208-230	56C	XS12CA2JCR	\$563	DS-3FMP	1.00	13.8	32	9.8/4.9-4.9	24
3/4	3600	115/208-230	56C	XS34CA1JCR	\$728	DS-3FMP	1.00	13.3	32	10.4/5.3-5.2	24
	1800	115/208-230	56C	XS34CA2JCR	\$630	DS-3FMP	1.00	14.3	32	12.6/6.3-6.3	24
1	3600	115/208-230	56C	XS1CA1JCR	\$784	DS-3FMP	1.00	14.3	42	12.0/6.3-6.0	24
	1800	115/208-230	56C	XS1CA2JCR	\$675	DS-3FMP	1.00	14.8	44	14.0/6.9-7.0	24

Note 24 Automatic Reset Thermal Protector Overload

† All marks shown within this document are properties of their respective owners.



Painted Washdown Three Phase, Totally Enclosed



The Slicker™

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- BISSC^{®†} Certified, Smooth Design For Easy Cleaning
- USDA^{®†} Approved Non-Toxic White Epoxy Paint
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- V-Ring Rotating Shaft Seals
- Full 50 & 60 Hertz Operating Data On Nameplate (180-210 Frame)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- Removable Drain Plugs (180 & 210 Frames)
- Double Contact Sealed Ball Bearings
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Double Dip & Bake On Winding
- 303 Stainless Steel Shaft, F1 Assembly Position
- Stainless Steel Nameplate
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-Type Drains (56 & 140 Frame)
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

C-Face Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	3600	208-230/460	56C	WD12S1AC	\$521	DS-3F	1.15	11.8	32	75.5	1.8-1.6/0.8	28
	1800	208-230/460	56C	WD12S2AC	\$600	DS-3F	1.15	11.3	26	82.5	1.9-1.8/0.9	28
3/4	3600	208-230/460	56C	WD34S1AC	\$588	DS-3F	1.15	11.8	32	75.5	2.4-2.2/1.1	28
	1800	208-230/460	56C	WD34S2AC	\$695	DS-3F	1.15	12.3	26	82.1	2.6-2.4/1.2	28
1	3600	208-230/460	56C	WD1E1AC	\$695	DS-3F	1.15	12.3	32	75.5	3.4-3.2/1.6	28
	1800	208-230/460	143TC	WD1S2A14C	\$781	DS-3F	1.15	12.8	26	77.4	3.4-3.3/1.7	28
	1800	208-230/460	56C	WD1S2AC	\$725	DS-3F	1.15	12.8	26	77.4	3.4-3.3/1.7	28
1 1/2	3600	208-230/460	56C	WD32S1AC	\$761	DS-3F	1.15	12.8	32	-	4.3-4.1/2.1	28
	1800	208-230/460	145TC	WD32E2A14C	\$815	DS-3F	1.00	14.3	26	84.0	4.6-4.4/2.2	28
	1800	208-230/460	56HC	WD32S2AHC	\$753	DS-3F	1.00	14.3	26	84.0	4.6-4.4/2.2	28
2	3600	208-230/440	56HC	WD2S1AHC	\$843	DS-3F	1.15	13.3	32	80.0	6.0-5.4/2.7	
	3600	208-230/460	145TC	WD2P1A14C	\$780	DS-3XE	1.15	13.9	35	85.5	5.4-4.9/2.5	
	1800	208-230/460	145TC	WD2P2A14C	\$1,206	DS-3XE	1.00	14.9	48	86.5	6.2-6.0/3.0	
	1800	208-230/460	56HC	WD2S2AHC	\$826	DS-3F	1.00	14.4	26	84.0	6.0-5.9/3.0	
3	3600	208-230/460	145TC	WD3P1A14C	\$1,229	DS-3XE	1.15	14.4	76	86.5	8.1-7.2/3.6	14
	1800	208-230/460	182TC	WD3P2DC	\$1,477	DS-3XE	1.15	16.8	58	89.5	8.2-7.6/3.8	03
5	1800	208-230/460	184TC	WD5P2DC	\$1,581	DS-3XE	1.15	16.8	87	89.5	13.5-12.5/6.2	03
7 1/2	1800	208-230/460	213TC	WD7P2DC	\$1,961	DS-3XE	1.15	19.4	140	91.7	20-18.2/9.1	03
10	1800	208-230/460	215TC	WD10P2DC	\$2,038	DS-3XE	1.15	20.4	128	91.7	26.5-23.9/11.9	03

Note 03 60/50 Hertz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA^{®†} Design A

Note 28 TENV Enclosure

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
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GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS ALL TYPES
VARIABLE FREQUENCY

Painted Washdown Three Phase, Totally Enclosed



The Slicker™

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- BISSC®† Certified, Smooth Design For Easy Cleaning
- USDA®† Approved Non-Toxic White Epoxy Paint
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- V-Ring Rotating Shaft Seals
- Full 50 & 60 Hertz Operating Data On Nameplate (180-210 Frame)
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Removable Drain Plugs (180 & 210 Frames)
- Double Contact Sealed Ball Bearings
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Double Dip & Bake On Winding
- 303 Stainless Steel Shaft, F1 Assembly Position
- Stainless Steel Nameplate
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-Type Drains (56 & 140 Frame)
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800	208-230/460	56C	WD13S2ACR	\$540	DS-3F	1.35	11.3	26	80.0	1.9-1.8/0.9	28,NNP
1/2	1800	208-230/460	56C	WD12S2ACR	\$596	DS-3F	1.15	11.3	26	-	1.9-1.8/0.9	28,NNP
3/4	1800	208-230/460	56C	WD34S2ACR	\$689	DS-3F	1.15	12.3	26	82.5	2.6-2.4/1.2	28,NNP
1	3600	208-230/460	56C	WD1S1ACR	\$590	DS-3F	1.15	12.3	32	-	3.4-3.2/1.6	28,NNP
	1800	208-230/460	143TC	WD1E2A14CR	\$722	DS-3F	1.15	12.8	26	82.5	3.4-3.3/1.7	28,NNP
	1800	208-230/460	56C	WD1E2ACR	\$722	DS-3F	1.15	12.8	26	82.5	3.4-3.3/1.7	28,NNP
1 1/2	3600	208-230/460	56C	WD32E1ACR	\$770	DS-3F	1.15	12.8	32	82.5	4.3-4.1/2.1	28,NNP
	1800	208-230/460	56C	WD32S2ACR	\$751	DS-3F	1.00	14.4	26	87.5	4.6-4.4/2.2	28,NNP
	1800	208-230/460	145TC	WD32S2A14CR	\$751	DS-3F	1.00	14.4	26	80.0	4.6-4.4/2.2	28,NNP
2	3600	208-230/460	56C	WD2S1ACR	\$964	DS-3F	1.15	13.4	32	80.0	6.0-5.4/2.7	NNP
	1800	208-230/460	145C	WD2E2A14CR	\$857	DS-3F	1.00	14.4	26	84.0	6-5.9/3	NNP
	1800	208-230/460	145TC	WD2P2A14CR	\$1,287	DS-3F	1.00	14.9	26	86.5	6.2-6.0/3.0	
	1800	208-230/460	56C	WD2S2ACR	\$857	DS-3F	1.00	14.4	26	84.0	6.2-6.0/3.0	NNP
3	3600	208-230/460	56C	WD3S1ACR	\$1,030	DS-3F	1.15	14.4	32	85.5	8.8-7.3/3.6	NNP
	1800	208-230/460	182TC	WD3E2DCR	\$1,110	DS-3FTE	1.15	16.8	78	87.5	8.5-7.9/3.9	NNP
	1800	208-230/460	182TC	WD3P2DCR	\$1,477	DS-3XE	1.15	16.8	58	89.5	8.2-7.6/3.8	03
5	1800	208-230/460	184TC	WD5E2DCR	\$1,256	DS-3FTE	1.15	16.8	94	87.5	14-12.6/6.3	NNP
	1800	208-230/460	184TC	WD5P2DCR	\$1,581	DS-3XE	1.15	16.8	87	89.5	13.5-12.5/6.2	03
7 1/2	1800	208-230/460	213TC	WD7E2DCR	\$1,595	DS-3FTE	1.15	19.4	115	89.5	20.1-18.3/9.1	NNP
	1800	208-230/460	213TC	WD7P2DCR	\$1,961	DS-3XE	1.15	19.4	117	91.7	20-18.2/9.1	03
10	1800	208-230/460	215TC	WD10E2DCR	\$1,766	DS-3FTE	1.15	20.4	125	89.5	26.6-23.8/11.9	NNP
	1800	208-230/460	215TC	WD10P2DCR	\$2,038	DS-3XE	1.15	20.4	128	91.7	26.5-23.9/11.9	03

Note 03 60/50 Hertz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 28 TENV Enclosure

Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



Paint Free Washdown Three Phase, Totally Enclosed, C-Face



APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- INVERTER GRADE[®] Insulation System (Meets NEMA[®] MG-1 Part 31)
- BISSC[®] Certified
- VBX[®] Bearing Isolators By Inpro/Seal On Drive End (Both Ends On 180-210 Frame)
- 303 Stainless Steel Shaft
- Multiple Stainless Steel T-type drains
- Double Contact Sealed Ball Bearings
- Laser-Etched Oversized Nameplate
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- RTV-Sealed Lead Exit
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- Stainless Steel Frame
- Easy to Read Connection Leads
- Rust Inhibitor on Rotor
- 40°C Ambient, NEMA[®] Design B
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56HC	WDP12S2AHC	\$774	DS-3PF	1.15	12.2	36	78.5	2.0-1.9/0.9	28
3/4	1800	208-230/460	56HC	WDP34S2AHC	\$895	DS-3PF	1.15	12.2	31	80.0	2.8-2.7/1.3	28
1	1800	208-230/460	145TC	WDP1S2AC	\$926	DS-3PF	1.15	13.8	44	85.5	3.5-3.4/1.7	28
	1800	208-230/460	56HC	WDP1S2AHC	\$926	DS-3PF	1.15	13.7	44	85.5	3.5-3.4/1.7	28
1 1/2	1800	208-230/460	145TC	WDP32S2AC	\$967	DS-3PF	1.00	13.8	52	87.5	4.9-4.8/2.4	28
	1800	208-230/460	56HC	WDP32S2AHC	\$967	DS-3PF	1.00	13.7	52	87.5	4.9-4.8/2.4	28
2	1800	208-230/460	145TC	WDP2P2AC	\$1,421	DS-3PF	1.00	14.9	51	86.5	6.2-6.0/3.0	
	1800	208-230/460	56HC	WDP2S2AHC	\$1,194	DS-3PF	1.15	14.0	52	82.5	7.0-7.0/3.5	
3	1800	208-230/460	182TC	WDP3P2AC	\$1,932	DS-3PF	1.15	18.5	55	89.5	8.3-7.6/3.8	
5	1800	208-230/460	184TC	WDP5P2AC	\$2,132	DS-3PF	1.15	18.5	76	89.5	13.6-12.3/6.1	
7 1/2	1800	208-230/460	213TC	WDP7P2AC	\$2,568	DS-3PF	1.15	21.2	117	91.7	19.9-18.1/9	
10	1800	208-230/460	215TC	WDP10P2AC	\$2,737	DS-3PF	1.15	21.2	125	91.7	26.5-23.8/11.9	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56C	WDP12S2ACR	\$766	DS-3PF	1.15	12.2	31	78.5	2.0-1.9/0.9	28, NNP
	1200	208-230/460	56C	WDP12S3DCR	\$784	DS-3PF	1.15	12.2	32	82.5	2.2-2.2/1.1	28, NNP
3/4	1800	208-230/460	56C	WDP34S2ACR	\$887	DS-3PF	1.15	12.2	51	80.0	2.8-2.7/1.3	28, NNP
1	1800	208-230/460	145TC	WDP1S2ACR	\$918	DS-3PF	1.15	13.8	43	85.5	3.5-3.4/1.7	28, NNP
	1800	208-230/460	56C	WDP1S2AFCR	\$918	DS-3PF	1.15	13.7	38	85.5	3.5-3.4/1.7	28, NNP
	1200	208-230/460	56C	WDP1S3DCR	\$964	DS-3PF	1.15	13.8	32	85.5	4.7-4.8/2.4	28, NNP
1 1/2	1800	208-230/460	145TC	WDP32S2ACR	\$960	DS-3PF	1.00	13.8	51	87.5	4.9-4.8/2.4	28, NNP
	1800	208-230/460	56C	WDP32S2AFCR	\$960	DS-3PF	1.00	14.3	33	87.5	4.9-4.8/2.4	28, NNP
2	1800	208-230/460	145TC	WDP2E2ACR	\$1,096	DS-3PF	1.15	14.9	51	84.0	7.0-7.0/3.5	NNP
	1800	208-230/460	145TC	WDP2P2ACR	\$1,490	DS-3PF	1.00	14.5	51	86.5	6.2-6.0/3.0	
	1800	208-230/460	145TC	WDP2S2ACR	\$1,096	DS-3PF	1.15	14.1	51	84.0	7.0-7.0/3.5	28, NNP
	1800	208-230/460	56C	WDP2S2AFCR	\$1,096	DS-3PF	1.15	14.0	51	82.5	7.0-7.0/3.5	28, NNP

Note NNP Non-NEMA[®] Premium Rating
 Note 28 TENV Enclosure

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

All Stainless Steel Washdown Three Phase Totally Enclosed, C-Face



The Silver
Bullet

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- All Stainless Steel External Construction
- 40°C Ambient, NEMA^{®†} Design B
- INVERTER GRADE[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- 303 Stainless Steel Shaft
- Multiple Stainless Steel T-type Drains
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Rust Inhibitor on Rotor
- BISSC^{®†} Certified
- VBX^{®†} Bearing Isolators by Inpro/Seal On Drive End
- Double Sealed Ball Bearings
- Laser-Etched Oversized Nameplate
- RTV-Sealed Lead Exit Holes
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- Easy to Read Connection Leads
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56HC	WDS12S2AHC	\$1,435	DS-3PF	1.15	11.9	34	78.5	1.8-1.9/1	28
3/4	1800	208-230/460	56HC	WDS34S2AHC	\$1,484	DS-3PF	1.15	11.9	38	82.5	2.4-2.4/1.2	28
1	1800	208-230/460	143TC	WDS1E2AC	\$1,525	DS-3PF	1.15	11.9	39	85.5	3.1-2.9/1.4	28
	1800	208-230/460	56HC	WDS1S2AHC	\$1,525	DS-3PF	1.15	11.9	39	85.5	3.1-2.9/1.4	28
1 1/2	1800	208-230/460	145TC	WDS32P2AC	\$2,032	DS-3PF	1.15	13.2	46	86.5	4.3-4.1/2.1	
	1800	208-230/460	145TC	WDS2P2AC	\$2,145	DS-3PF	1.15	13.2	46	86.5	5.7-5.4/2.7	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56C	WDS12S2ACR	\$1,403	DS-3PF	1.15	11.9	37	78.5	1.8-1.9/1	28
3/4	1800	208-230/460	56C	WDS34S2ACR	\$1,444	DS-3PF	1.15	11.9	41	82.5	2.4-2.4/1.2	28
1	1800	208-230/460	143TC	WDS1S2ACR	\$1,492	DS-3PF	1.15	11.9	42	85.5	3.1-2.9/1.4	28
	1800	208-230/460	56C	WDS1S2AFCR	\$1,492	DS-3PF	1.15	11.9	42	85.5	3.1-2.9/1.4	28
1 1/2	1800	208-230/460	145TC	WDS32P2ACR	\$1,989	DS-3PF	1.15	13.2	47	86.5	4.3-4.1/2.1	
	1800	208-230/460	145TC	WDS32S2ACR	\$1,525	DS-3PF	1.15	13.2	46	86.5	4.3-4.1/2.1	
	1800	208-230/460	56C	WDS32S2AFCR	\$1,525	DS-3PF	1.15	13.2	49	86.5	4.3-4.1/2.1	
2	1800	208-230/460	145TC	WDS2P2ACR	\$2,102	DS-3PF	1.15	13.2	47	86.5	5.7-5.4/2.7	
	1800	208-230/460	145TC	WDS2S2ACR	\$1,854	DS-3PF	1.15	13.2	50	86.5	5.7-5.4/2.7	
	1800	208-230/460	56C	WDS2S2AFCR	\$1,854	DS-3PF	1.15	13.2	52	86.5	5.7-5.4/2.7	



Note 28 TENV Enclosure

† All marks shown within this document are properties of their respective owners.



Painted Washdown Single Phase, Totally Enclosed, C-Face



The Slicker™

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation
- BISSC^{®†} Certified, Smooth Design For Easy Cleaning
- USDA^{®†} Approved Non-Toxic White Epoxy Paint
- V-Ring Rotating Lip Seal On Shaft End
- F1 Assembly Position
- Double Contact Sealed Ball Bearings
- Reversible Rotation
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Stationary Grease Seal On Both Ends
- 303 Stainless Steel Shaft
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-type Drains
- Automatic Reset Thermal Overload Protector on Yoke Mount Fan Motors

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/208-230	56C	WD12C1JC	\$523	DS-3SP	1.15	11.8	32	7.3/3.9-3.7	28
	1800	115/208-230	56C	WD12C2JC	\$537	DS-3SP	1.15	12.8	26	9.5/4.6-4.8	25
3/4	3600	115/208-230	56C	WD34C1JC	\$538	DS-3SP	1.15	12.3	30	9.7/5.3-4.9	28
	1800	115/208-230	56C	WD34C2JC	\$611	DS-3SP	1.15	13.3	32	12.8/6.4-6.5	
1	3600	115/208-230	56C	WD1C1JC	\$583	DS-3SP	1.15	13.3	32	13.6/6.9-6.8	
	1800	115/208-230	56HC	WD1C2JHC	\$702	DS-3SP	1.15	13.8	28	15.4/7.8-7.6	
1 1/2	3600	115/208-230	56HC	WD32C1JHC	\$768	DS-3SP	1.15	13.8	28	14.6/8.1-7.4	
	1800	115/208-230	56HC	WD32C2JHC	\$896	DS-3SP	1.15	15.3	32	14.4/8.0-7.2	CSCR
2	1800	115/230	56HC	WD2C2PHC	\$1,052	DS-3SP	1.15	15.3	48	19.6/9.8	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/208-230	56C	WD12C1JCR	\$576	DS-3SP	1.15	11.8	32	7.3/3.9-3.7	28
	1800	115/208-230	56C	WD12C2JCR	\$663	DS-3SP	1.15	12.8	32	8.8/4.3-4.4	28
3/4	1800	115/208-230	56C	WD34C2JCR	\$748	DS-3SP	1.15	13.8	41	7.8/4.3-3.9	CSCR,28
1	3600	115/208-230	56C	WD1C1JCR	\$672	DS-3SP	1.15	13.8	34	9.9/5.8-5.3	CSCR,28
	1800	115/208-230	56C	WD1C2JCR	\$848	DS-3SP	1.00	14.3	24	10.3/5.5-5.2	CSCR
2	1800	115/230	56C	WD2C2JCR	\$1,059	DS-3SP	1.15	15.3	48	19.6/9.8	CSCR

Permanent Split Capacitor, Yoke Mount, Non-Oscillating Totally Enclosed Air Over (TEAO) Fan Motors

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/230	56YZ	WD14AA2PZ7	\$426	DS-3FMP	1.00	10.9	19	3.5/1.7	24
1/3	1800	115/230	56YZ	WD13AA2PZ7	\$448	DS-3FMP	1.00	10.9	16	4.9/2.5	24
1/2	1800	115/230	56YZ	WD12AA2PZ7	\$481	DS-3FMP	1.00	11.9	32	5.9/2.9	24

- Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected
 Note 28 TENV Enclosure
 Note CSCR Capacitor Start /Capacitor Run

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIP-PROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

General Purpose Three Phase, Open Dripproof (ODP) NEMA^{®†} Premium Efficient, C-Face


**NEMA
Premium**

DE, RE

APPLICATIONS:

For use on pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

FEATURES:

- WORLDMOTOR[®] Features Except Where Noted
- Class F Insulation, Class B Rise At Service Factor On 60 Hertz Sine Wave Power
- Rolled Steel Frame 56-320, Cast Iron Frame 360-440
- Aluminum End Shields 56-250, Cast Iron End Shields 280-440
- "CE" Mark On Nameplate (140 Frame & Larger)
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hz Sine Wave Power
- Conversion Kits: Drip Cover Kits (140-320 Frame)
- Full HP @ 50 Hz
- Regreasable Bearings 250 Frame & Up
- Double Shielded Bearings 48-400
- Bearing Cap On 440 Frame
- Suitable For Wye-Delta Start 250 Frame & Larger
- F1 Assembly Position
- Lifting Provisions 210 Frame & Up

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800	208-230/460	56C	D13S2AC	\$298	DS-3FMP	1.35	10.4	17	-	1.5-1.7/0.8	
1	1800	208-230/460	143TC	D1P2DC	\$745	DS-3E	1.15	12.8	40	85.5	3.2-3.1/1.5	
	1800	208-230/460	56HC	D1S2AHC	\$353	DS-3F	1.25	12.4	26	-	3.2-3.0/1.5	NNP
1 1/2	3600	208-230/460	143TC	D32P1DC	\$736	DS-3E	1.15	12.8	40	85.5	4.2-3.8/1.9	
	3600	208-230/460	56HC	D32S1AHC	\$541	DS-3F	1.15	11.9	32	-	4.7-4.4/2.2	NNP
	1800	208-230/460	145TC	D32P2DC	\$776	DS-3E	1.15	12.8	45	86.5	4.4-4.2/2.1	
	1800	208-230/460	56HC	D32S2DHC	\$642	DS-3FMP	1.15	12.7	33	-	5.0-4.9/2.5	26,NNP
2	3600	208-230/460	145TC	D2P1DC	\$845	DS-3E	1.15	12.8	45	85.5	5.5-5/2.5	
	3600	208-230/460	56HC	D2S1AHC	\$710	DS-3F	1.15	11.9	32	-	6.0-5.4/2.7	NNP
	1800	208-230/460	145TC	D2P2DC	\$823	DS-3E	1.15	12.8	45	86.5	5.9-5.5/2.8	
	1800	208-230/460	56HC	D2S2DHC	\$685	DS-3FMP	1.15	12.7	37	-	6.6-6.6/3.3	26,NNP
3	3600	208-230/460	145TC	D3P1DC	\$857	DS-3E	1.15	12.8	45	85.5	8.2-7.3/3.7	
	1800	208-230/460	182TC	D3P2DC	\$928	DS-3E	1.15	15.8	50	89.5	8.4-7.8/3.9	
5	3600	208-230/460	182TC	D5P1DC	\$975	DS-3E	1.15	15.8	50	89.5	13.5-12.3/6.2	
	1800	208-230/460	184TC	D5P2DC	\$1,008	DS-3E	1.15	15.8	60	89.5	13.8-13/6.5	
7 1/2	3600	208-230/460	184TC	D7P1DC	\$1,467	DS-3E	1.15	15.8	60	88.5	20.3-18.1/9.1	
	1800	208-230/460	213TC	D7P2DC	\$1,410	DS-3E	1.15	16.8	100	91.0	20.2-18.5/9.3	
10	3600	208-230/460	213TC	D10P1DC	\$1,649	DS-3E	1.15	16.8	100	90.2	27.1-24.3/12.2	
	1800	208-230/460	215TC	D10P2DC	\$1,677	DS-3E	1.15	18.3	110	92.4	26.3-23.8/11.9	
15	3600	208-230/460	215TC	D15P1DC	\$2,287	DS-3E	1.15	18.3	100	91.0	40-36/18	
	1800	208-230/460	254TC	D15P2DC	\$2,367	DS-3E	1.15	23.0	150	93.0	40-36/18.2	02,03
20	3600	208-230/460	254TC	D20P1DC	\$2,707	DS-3E	1.15	23.0	150	91.7	52-46/23.1	02,03
	1800	208-230/460	256TC	D20P2DC	\$2,921	DS-3E	1.15	23.6	170	93.0	54-49/24.4	
25	3600	208-230/460	256TC	D25P1DC	\$3,219	DS-3E	1.15	23.6	160	91.7	65-57/28.7	02,03
	1800	208-230/460	284TC	D25P2DC	\$3,638	DS-3E	1.15	24.9	300	93.6	64-58/29	
30	3600	208-230/460	284TSC	D30P1DSC	\$3,871	DS-3E	1.15	23.5	300	92.4	79-68/34	
	1800	208-230/460	286TC	D30P2DC	\$3,935	DS-3E	1.15	24.9	350	94.1	77-69/34	
40	3600	208-230/460	286TSC	D40P1DSC	\$4,912	DS-3E	1.15	23.5	250	93.0	104-90/45	02,03
	1800	208-230/460	324TC	D40P2DC	\$5,175	DS-3E	1.15	27.3	385	94.1	102-91/46	02,03
50	3600	208-230/460	324TSC	D50P1DSC	\$5,466	DS-3E	1.15	25.8	385	93.0	130-117/59	02,03
	1800	208-230/460	326TC	D50P2DC	\$5,684	DS-3E	1.15	27.3	415	94.5	126-113/56	02,03
60	3600	208-230/460	326TSC	D60P1DSC	\$6,788	DS-3E	1.15	25.8	460	93.6	152-134/67	02,03

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 26 Does not include WORLD MOTOR[®] features
 Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



General Purpose Three Phase, Open Dripproof (ODP) NEMA^{®†} Premium Efficient, C-Face

DE, RE

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	56C	D14S2ACR	\$285	DS-3F	1.35	10.9	26	-	1.1-1.2/0.6	
1/3	3600	208-230/460	56C	D13S1DCR	\$348	DS-3FMP	1.35	10.3	19	-	1.6-1.6/0.8	26,NNP
	1800	208-230/460	56C	D13S2ACR	\$305	DS-3F	1.35	11.4	26	-	1.4-1.4/0.7	
1/2	3600	208-230/460	56C	D12S1DCR	\$374	DS-3FMP	1.25	10.3	19	-	1.8-1.8/0.9	26,NNP
	1800	208-230/460	56C	D12S2ACR	\$305	DS-3F	1.25	11.4	26	-	1.98-1.9/0.98	
	1200	208-230/460	56C	D12S3DCR	\$653	DS-3FMP	1.25	11.7	32	-	2.2-2.3/1.1	26,NNP
3/4	3600	208-230/460	56C	D34S1DCR	\$444	DS-3FMP	1.25	10.8	19	-	2.6-2.4/1.2	26,NNP
	1800	208-230/460	56C	D34S2ACR	\$366	DS-3F	1.25	11.9	26	-	2.8-2.7/1.4	
	1200	208-230/460	56C	D34S3DCR	\$704	DS-3F	1.15	12.2	32	-	3.4-3.5/1.7	
1	3600	208-230/460	56C	D1S1ACR	\$459	DS-3F	1.25	11.4	32	-	3.1-3.0/1.5	NNP
1 1/2	3600	208-230/460	56C	D32S1ACR	\$589	DS-3FMP	1.15	11.9	32	-	4.7-4.4/2.2	NNP
	1800	208-230/460	56C	D32S2ACR	\$482	DS-3F	1.25	12.4	26	-	4.9-5.0/2.5	NNP
2	3600	208-230/460	56C	D2S1ACR	\$618	DS-3F	1.15	11.9	32	-	6.0-5.4/2.7	NNP
	1800	208-230/460	145TC	D2E2ACR	\$569	DS-3F	1.15	12.4	26	84.0	6.1-6.2/3.1	NNP

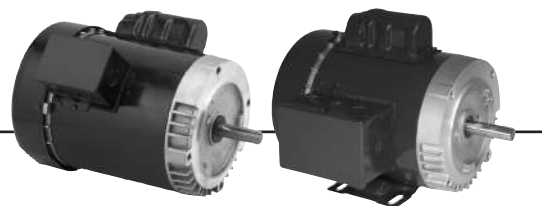
Note 26 Does not include WORLDMOTOR[®] features
 Note NNP Non-NEMA^{®†} Premium Rating

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 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) C-Face



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- Capacitor Start, Induction Run
- F1 Assembly
- Reversible Rotation
- 50/60 Hertz Motors Have 1.0 Service Factor on 50 Hertz

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	56C	T14C2JC	\$390	DS-3F	1.15	11.1	22	6.5/2.8-3.2	25
1/3	1800	115/208-230	56C	T13C2JC	\$380	DS-3F	1.15	11.0	19	6.6/3-3.3	25
1/2	3600	115/208-230&110/220	56C	EC03B	\$363	DS-3FMP	1.15	11.4	24	7.8/4.1-3.9	24,98
	1800	100-120/200-240	56C	6212	\$565	DS-3FMP	1.25	12.0	25	6.3-5.6/3.1-2.8	
	1800	115/208-230	56C	T12C2JC	\$482	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	25
3/4	3600	115/208-230	56C	T34C1JC	\$417	DS-3FMP	1.15	11.9	32	10.4/5.3-5.2	25
1	3600	115/208-230&110/220	56C	EC09B	\$508	DS-3FMP	1.15	12.1	29	12.8/6.6-6.4	24,98
	1800	100-120/200-240	56C	T1CM2ZC	\$760	DS-3FMP	1.15	13.4	38	11.0-9.2/5.5-4.7	
	1800	208-230/115	56C	EC10B	\$623	DS-3FMP	1.15	12.4	37	13.6/7.0-6.8	
	1800	115/208-230	56HC	T1C2JHC	\$621	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
1 1/2	3600	115/208-230&110/220	56C	EC11B	\$650	DS-3FMP	1.15	12.6	36	16.6/9.0-8.3	24,98
	1800	115/208-230	56C	EC12B	\$729	DS-3FMP	1.15	12.4	38	14.0/7.7-7.0	
	1800	115/208-230	56HC	T32C2JHC	\$736	DS-3FMP	1.15	13.9	41	14.4/8.0-7.2	25
2	3600	208-230&220	56C	EC13B	\$780	DS-3FMP	1.15	12.9	38	9.6-9.0	
	1800	115/208-230	145TC	T2C2J14C	\$846	DS-3FMP	1.15	13.9	46	18.9/10.3-9.4	18,25
	1800	115/208-230	56HC	T2C2JHC	\$846	DS-3FMP	1.15	13.9	43	18.9/10.3-9.4	18,25

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	56C	T14C2JCR	\$330	DS-3F	1.15	11.0	22	6.5/2.8-3.2	25
1/3	3600	115/208-230&110/220	56C	EC01	\$332	DS-3FMP	1.15	11.4	22	6.6/3.2-3.3	24,98
	1800	115/230	42CZ	T13C2P42ZCR	\$394	DS-3FMP	1.00	11.6	21	6.2/3.1	25
	1800	115/208-230	56C	T13CA2JCR	\$380	DS-3FMP	1.15	11.0	22	6.6/3.0-3.3	24
1/2	3600	115/208-230&110/220	56C	EC03	\$358	DS-3FMP	1.15	11.4	23	7.8/4.1-3.9	24,98
	1800	100-120/200-240	56C	T12C2ZCR	\$592	DS-3FMP	1.25	12.0	25	6.3-5.6/3.1-2.8	
	1800	115/208-230	56C	T12C2JCR	\$439	DS-3FMP	1.15	12.4	32	9.0/4.3-4.5	25
	1800	115/208-230	56C	T12CA2JCR	\$496	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	24
	1800	115/208-230	56C	T12CM2JCR	\$462	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	23
	1200	115/208-230	56C	T12C3JCR	\$828	DS-3FMP	1.15	12.4	32	10.4/5.1-5.2	25
3/4	3600	115/208-230&110/220	56C	EC06	\$448	DS-3FMP	1.15	11.9	26	10.0/5.2-5.0	24,98
	1800	100-120/200-240	56C	T34C2ZCR	\$699	DS-3FMP	1.25	12.4	32	9.2-8.4/4.6-4.2	25
	1800	115/208-230	56C	T34C2JCR	\$527	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	25
	1800	115/208-230	56C	T34CA2JCR	\$582	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	24
	1800	115/208-230	56C	T34CM2JCR	\$551	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	23
	1200	115/208-230	56C	T34C3JCR	\$932	DS-3FMP	1.15	13.4	28	10.6/5.4-5.3	18,25

Note 18 Incorporates Run Capacitor
 Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected
 Note 98 50/60 Hertz

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General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) C-Face



(continued)

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1	3600	115/208-230	56C	T1CA1JCR	\$524	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	24
	1800	100-120/200-240	56C	6219	\$713	DS-3FMP	1.15	12.5	40	11.0-9.2/5.5-4.7	25
	1800	115/208-230	143TC	T1C2J14CR	\$638	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	143TC	T1CA2J14CR	\$677	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	143TC	T1CM2J14CR	\$700	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	23
	1800	115/208-230	56C	T1C2JCR	\$571	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	56C	T1CA2JCR	\$610	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	56C	T1CM2JCR	\$633	DS-3FMP	0.00	13.1	39	NULL	23
	1200	115/208-230	56C	T1C3JCR	\$1,011	DS-3FMP	1.15	13.9	44	12.6/6.6-6.3	25
1 1/2	3600	115/208-230	143TC	T32C1J14CR	\$637	DS-3SP	1.15	12.9	32	14.6/8.1-7.4	25
	3600	115/208-230	56C	T32CA1JCR	\$637	DS-3FMP	1.15	12.9	32	14.6/8.1-7.4	24
	1800	115/208-230	145TC	T32C2J14CR	\$723	DS-3SP	1.15	13.1	47	14.4/8.0-7.2	25
	1800	115/208-230	145TC	T32CA2J14CR	\$762	DS-3SP	1.15	13.9	47	14.4/8.0-7.2	24
	1800	115/208-230	145TC	T32CM2J14CR	\$786	DS-3SP	1.15	13.9	47	14.4/8.0-7.2	23
	1800	115/208-230	56C	T32C2JCR	\$650	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	25
	1800	115/208-230	56C	T32CA2JCR	\$689	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	24
	1800	115/208-230	56C	T32CM2JCR	\$712	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	23
2	3600	115/208-230	145C	T2C1J14CR	\$813	DS-3SP	1.15	12.9	34	19.5/10.8-9.7	25
	3600	208-230&220	56C	EC13	\$815	DS-3FMP	1.15	12.9	37	9.6-9.0	24
	1800	115/208-230	145TC	T2C2J14CR	\$969	DS-3SP	1.15	13.9	46	18.9/10.3-9.4	25
	1800	115/208-230	145TC	T2CA2J14CR	\$1,008	DS-3SP	1.00	14.4	40	18.9/10.3-9.4	24
	1800	115/208-230	145TC	T2CM2J14CR	\$1,031	DS-3SP	1.00	13.9	40	18.9/10.3-9.4	23
	1800	115/208-230	56C	T2C2JCR	\$739	DS-3FMP	1.15	13.9	31	18.9/10.3-9.4	25
	1800	115/208-230	56C	T2CA2JCR	\$778	DS-3FMP	1.00	14.4	31	18.9/10.3-9.4	24
	1800	115/208-230	56C	T2CM2JCR	\$801	DS-3FMP	1.00	13.9	31	18.9/10.3-9.4	23

Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected

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 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

General Purpose Single Phase Div. 1 Hazardous Location Class I (Group C & D), Class II (Group E, F, & G)

CH63,
CG63

APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment located in hazardous areas.

FEATURES:

- UL^{®†} Listed & CSA^{®†} Certified
- Temperature Code T3C
- Class B Insulation
- Continuous Duty
- Totally Enclosed Fan Cooled Except Where Noted
- 40°C Ambient Rated
- F1 Assembly

C Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230&110/220	56C	XS14CA2JCR	\$482	DS-3FMP	1.00	11.9	32	5.1/2.5-2.5&5.6/2.8	24
1/3	3600	115/208-230	56C	XS13CA1JCR	\$614	DS-3FMP	1.00	13.3	29	8.0/3.6-4.0	24
	1800	115/208-230	56C	XS13CA2JCR	\$537	DS-3FMP	1.00	12.8	32	6.8/3.3-3.4	24
1/2	3600	115/208-230	56C	XS12CA1JCR	\$681	DS-3FMP	1.00	13.3	29	8.8/4.1-4.4	24
	1800	115/208-230	56C	XS12CA2JCR	\$563	DS-3FMP	1.00	13.8	32	9.8/4.9-4.9	24
3/4	3600	115/208-230	56C	XS34CA1JCR	\$728	DS-3FMP	1.00	13.3	32	10.4/5.3-5.2	24
	1800	115/208-230	56C	XS34CA2JCR	\$630	DS-3FMP	1.00	14.3	32	12.6/6.3-6.3	24
1	3600	115/208-230	56C	XS1CA1JCR	\$784	DS-3FMP	1.00	14.3	42	12.0/6.3-6.0	24
	1800	115/208-230	56C	XS1CA2JCR	\$675	DS-3FMP	1.00	14.8	44	14.0/6.9-7.0	24

Note 24 Automatic Reset Thermal Protector Overload

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General Purpose Single Phase Open Dripproof (ODP) C-Face, Capacitor Start



APPLICATIONS:

For air compressors, commercial duty pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings - Locked Drive End Bearings
- 50/60 Hertz Motors Have 1.0 Service Factor on 50 Hertz
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- F1 Assembly
- Reversible Rotation

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	3600	115/208-230&110/220	56J	EU0332B	\$219	DS-CPMP	1.75	11.4	18	6.8/3.2-3.4	98
1/2	1800	115/208-230	56C	D12C2JC	\$454	DS-3FMP	1.25	10.9	32	9.0/4.3-4.5	25
	1800	115/208-230	56C	EC0504B	\$456	DS-3FMP	1.25	10.4	22	8.9/4.4-4.5	
3/4	1800	115/208-230	56C	D34C2JC	\$554	DS-3FMP	1.25	11.4	32	11.4/5.7-5.7	25
1	1800	115/208-230	56C	EC1004B	\$615	DS-3FMP	1.15	11.6	31	15/7.7-7.5	
1 1/2	3600	115/208-230	56HC	D32C1JHC	\$508	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	25
	3600	115/208-230	143TC	D32C1J14C	\$508	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	25
	1800	115/208-230	145TC	D32C2J14C	\$670	DS-3FMP	1.15	13.0	32	19.2/10.0-9.6	25
2	3600	115/208-230//110/220	56C	EC2002B	\$620	DS-3FMP	1.21	12.4	33	19.6/10.7-9.8	18,98
	1800	115/208-230	56HC	D2C2JHC	\$782	DS-3FMP	1.15	13.4	41	20.0/11.3-10.0	25

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/208-230	56C	D13C2JCR	\$339	DS-3FMP	1.35	10.4	20	6.4/3.2	25
1/2	3600	115/208-230//110/220	56J	EU0502	\$285	DS-3FMP	1.61	11.7	17	8.2/4.2-4.1	98
	1800	115/208-230	56C	EC0504	\$453	DS-3FMP	1.25	10.4	21	8.9/4.4-4.5	
	1800	115/208-230	56C	D12C2JCR	\$398	DS-3FMP	1.25	10.9	20	9.0/4.3-4.5	25
3/4	3600	115/208-230//110/220	56C	EC0752	\$350	DS-3FMP	1.51	11.9	18	10.4/5.4-5.2	98
	1800	115/208-230	56C	D34CA2JCR	\$552	DS-3FMP	1.25	11.4	32	11.4/5.7-5.7	24
1	3600	115/208-230//110/220	56J	EU1002	\$409	DS-3FMP	1.41	12.7	23	12.8/6.7-6.4	98
	1800	115/208-230	56C	D1C2JCR	\$530	DS-3FMP	1.15	11.9	32	14.8/7.5-7.3	25
1 1/2	3600	115/208-230&110/220	56C	EC1502	\$490	DS-3FMP	1.31	12.4	33	18.2/9.2-9.1	98
	1800	115/208-230	56C	D32C2JCR	\$555	DS-3FMP	1.15	12.9	32	19.2/10.0-9.6	25
	1800	115/208-230	56C	D32CA2JCR	\$594	DS-3FMP	1.15	12.9	32	19.2/10.0-9.6	24
2	3600	115/208-230//110/220	56J	EU2002	\$619	DS-3FMP	1.21	12.9	32	19.6/10.7-9.8	18,98
	1800	115/208-230	56C	D2CA2JCR	\$831	DS-3FMP	1.15	13.4	32	20.0/11.3-10.0	24
3	3600	208-230	56C	EC3002	\$700	DS-3FMP	1.15	12.9	37	14.0-12.8	18

- Note 18 Incorporates Run Capacitor
 Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected
 Note 98 50/60 Hertz



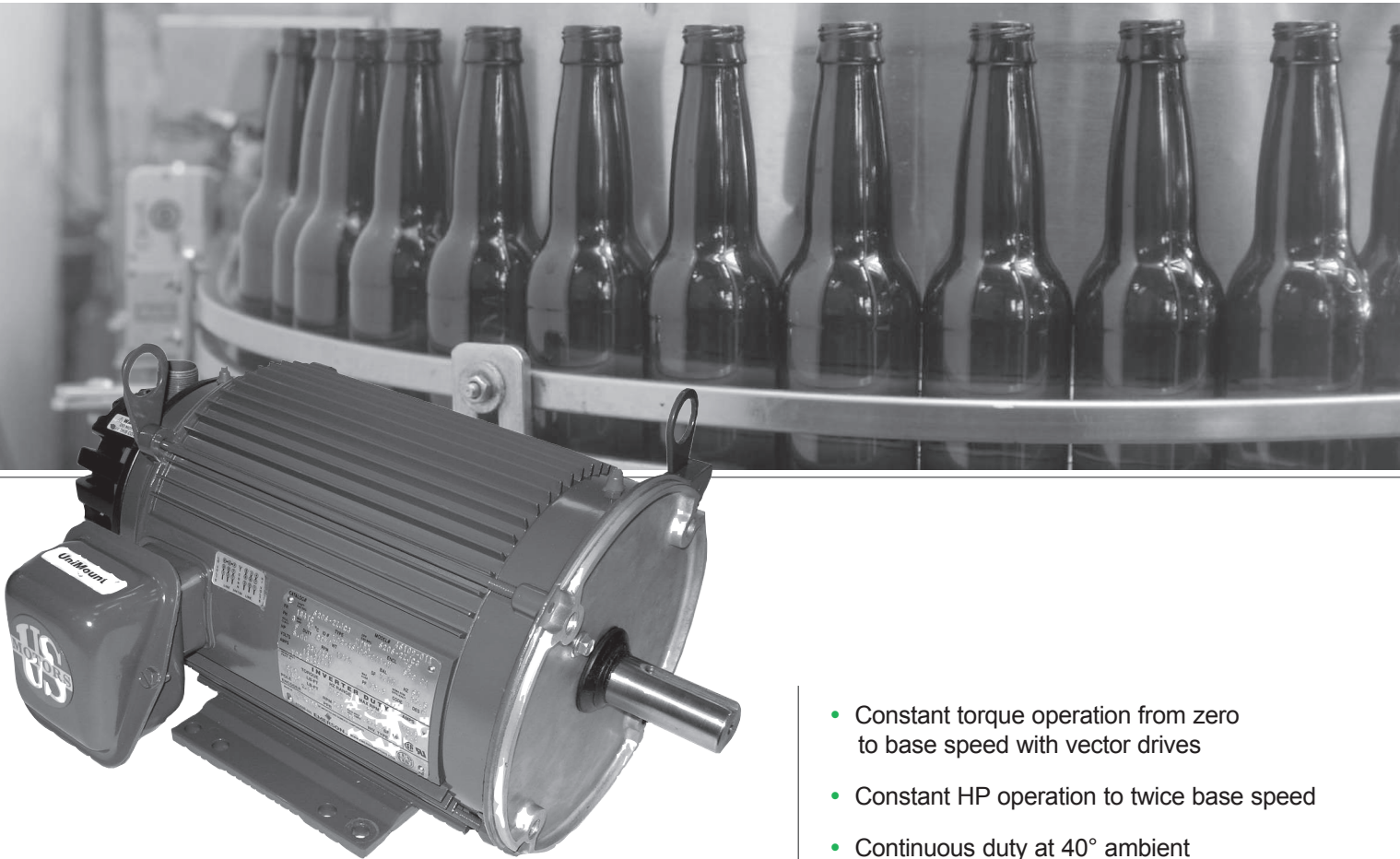
EXTREME E® represents our most efficient running, highest performing lines of motors.

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 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS ALL TYPES
 VARIABLE FREQUENCY

ACCU-Torq® Motors



ACCU-Torq® Vector Duty Induction Motors

The dynamic performance of an encoder equipped ACCU-Torq® motor provides accurate positioning and precise speed control. If your application doesn't require the rapid acceleration of a servomotor, ACCU-Torq® may be the best solution to optimize your machine designs.

- Constant torque operation from zero to base speed with vector drives
- Constant HP operation to twice base speed
- Continuous duty at 40° ambient
- Optimized for operation with IGBT and Intelligent Power Modules drives (NEMA®† Design A)
- Class F Insulation
- Normally closed thermostats standard
- Shaft grounding ring option on all ratings
- F-1 standard, field convertible to F-2 for 180 frame and above
- Encoder and brake provision on all ratings
- Three year warranty
- Learn more at nidec-motor.com

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Variable Frequency Drive Motors



For inverter powered applications having constant or variable torque requirements

Horsepower: 1/4 – 300 HP

Phase: Three Phase

RPM: 1200, 1800 and 3600 RPM

Voltage: 230/460, 460 and 575

Speed Range:

- 10:1 (6-60 Hz) Variable Torque/5:1 (12-60 Hz) Constant Torque
- 36-1800 RPM (2-60 Hz) Constant Torque
- 2000:1 Constant Torque Speed Range with ACCU-Torq® Motors

Enclosure:

- Open Dripproof (ODP)
- Totally Enclosed Blower Cooled (TEBC)
- Totally Enclosed Fan Cooled (TEFC)
- Totally Enclosed Non-Ventilated (TENV)

Mounting: Footed and C-Face

Conversion Kits:

Available on most ratings

- All Cast Iron Upgrade
- C&D Flanges
- Canopy Kits



ACCU-Torq® Vector Motor



ACCU-Torq® Motors

Optimize your machine designs with the dynamic performance of ACCU-Torq® motors. If you need accurate positioning or precise speed control, but do not require the rapid acceleration dynamics of a servomotor, an encoder equipped ACCU-Torq® motor may be the best solution.

ACCU-Torq® Motor Benefits:

- Operation from Zero to Base Speed With Vector Drives
- Constant HP Operation to Twice Base Speed
- Continuous Duty at 40°C Ambient
- Optimized for Operation with IGBT and Intelligent-Power-Module Drives
- Shaft Grounding Ring Option on All Ratings

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ACCU-Torq® Totally Enclosed, Non-Ventilated (TENV) Vector Duty, C-Face, 2000:1 Constant Torque



UTNX

APPLICATIONS:

For use with inverters and in vector drive applications. Particularly suited for applications up to a 2000:1 constant torque speed range. Typical applications: machine tools, material handling, packaging machines, test equipment, and other industrial machinery.

FEATURES:

- Constant Torque Operation from Zero to Base Speed with Vector Drives
- Constant HP Operation to Twice Base Speed (Except Where Noted)
- Continuous Duty at 40°C Ambient
- Optimized for Operation with IGBT and Intelligent-Power-Module Drives (NEMA® Design-A)
- Class F Insulation
- Normally Closed Thermostats Standard (One Per Phase)
- Shaft Grounding Ring Option on All Ratings
- F1 Standard, Field Convertible to F2 for 180 Frame and Above
- Removable Base 180 Frame and Above
- Steel 56-140 Frame; Aluminum 180 Frame & Above
- Encoder and Brake Provision on All Ratings
- D-Flange Convertible Kit
- Three Year Warranty

HP	Base RPM	Max RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Full Load Amps	Rated Torque lb.-in.	Inertia lb.-in.-sec ²	Ship Wt. (lbs.)
1/4	1800	3600	230/460	56C	UN14T2BC	\$480	DS-VFM	13.0	1/0.5	8.4	0.026	18
1/3	1800	3600	230/460	56C	UN13T2BC	\$503	DS-VFM	14.5	1.1/0.6	12.0	0.036	18
1/2	1800	3600	230/460	56C	UN12T2BC	\$582	DS-VFM	14.5	1.5/0.8	18.0	0.039	19
	1800	3600	575	56C	UN12T2GC	\$639	DS-VFM	14.5	0.6	18.0	0.039	19
1	1800	3600	230/460	143TC	UN1T2BC	\$688	DS-VFM	14.6	3.2/1.6	36.0	0.040	26
	1800	3600	230/460	56C	UN1T2BFC	\$688	DS-VFM	14.5	3.2/1.6	36.0	0.040	24
	1800	3600	575	56C	UN1T2GC	\$803	DS-VFM	14.5	1.3	36.0	0.040	24
	1200	2400	230/460	145TC	UN1T3BC	\$746	DS-VFM	14.6	3.7/1.8	55.2	0.045	41
1 1/2	1800	3600	230/460	145TC	UN32T2BC	\$780	DS-VFM	14.6	4.7/2.3	54.0	0.052	41
2	1800	3600	230/460	145TC	UN2T2BC	\$1,067	DS-VFM	15.6	5.6/2.8	72.0	0.065	54
	1800	3600	575	145TC	UN2T2GC	\$1,180	DS-VFM	15.6	2.2	72.0	0.065	54
	1200	2400	230/460	184TC	UN2T3BC	\$1,547	DS-VFM	16.8	6.2/3.1	108.0	0.134	75
3	1800	3600	230/460	182TC	UN3T2BC	\$1,337	DS-VFM	16.0	10.1/5	106.8	0.117	65
	1800	3600	575	182TC	UN3T2GC	\$1,459	DS-VFM	16.0	4.1	106.8	0.117	65
	1200	2400	230/460	213TC	UN3T3BC	\$1,891	DS-VFM	18.5	9.1/4.5	160.8	0.254	116
5	1800	3600	230/460	184TC	UN5T2BC	\$1,580	DS-VFM	16.8	13.9/7	177.6	0.176	83
	1800	3600	575	184TC	UN5T2GC	\$1,688	DS-VFM	16.8	5.6	177.6	0.176	83
	1200	2400	230/460	215TC	UN5T3BC	\$2,288	DS-VFM	20.0	16/8	267.6	0.344	149
7 1/2	1800	3600	230/460	213TC	UN7T2BC	\$2,101	DS-VFM	20.0	18.7/9.3	266.4	0.359	135
	1800	3600	575	213TC	UN7T2GC	\$2,262	DS-VFM	20.0	7.4	266.4	0.359	135
	1200	2400	230/460	254TC	UN7T3BC	\$3,078	DS-VFM	25.3	19.8/9.9	398.4	1.194	211
10	1800	3600	230/460	215TC	UN10T2BC	\$2,485	DS-VFM	23.0	25.3/12.7	355.2	0.494	178
	1800	3600	575	215TC	UN10T2GC	\$2,770	DS-VFM	23.0	10	355.2	0.494	144
	1200	2400	230/460	256TC	UN10T3BC	\$3,556	DS-VFM	25.3	25.3/12.7	540.0	1.506	266
15	1800	3600	230/460	254TC	UN15T2BC	\$2,989	DS-VFM	26.3	36/17.8	530.4	1.274	255
	1800	3600	575	254TC	UN15T2GC	\$3,147	DS-VFM	26.3	14.2	530.4	1.274	255
20	1800	3600	230/460	256TC	UN20T2BC	\$4,323	DS-VFM	26.3	50/24.8	706.8	1.325	266
	1800	3600	575	256TC	UN20T2GC	\$4,589	DS-VFM	26.3	19.8	706.8	1.325	266

† All marks shown within this document are properties of their respective owners.



ACCU-Torq® Motor Accessories and Available Conversions

NOTE:

Pre-assembled encoder, brake and shaft grounding ring options on ACCU-Torq® motors – NO EXTRA ASSEMBLY CHARGE

CONVERSION OPTIONS:

- All brakes and encoders are compatible with all ACCU-Torq® motor ratings (Exceptions: only encoder model types SL56 and 770 can be assembled with a brake).
- F2 mounting for 180 frame and larger (F1 standard)

Encoders

- All encoders listed have Line-Driver Outputs
- Encoder cables not supplied by Nidec Motor Corporation®

Base Model	Manufacturer	1024 PPR List	2048 PPR List	Discount Symbol	Supply Volts	Connector	Application
HS20	Dynapar®	\$650	\$715	DS-VFM	5-26V DC	MS 10-pin	Medium Duty
HS35R	Dynapar®	\$1,533	\$1,686	DS-VFM	5-26V DC	MS 10-pin	Heavy Duty
SL56	Dynapar®	\$2,420	\$2,662	DS-VFM	5-15V DC	Epic Solderless	For Brake Use**
Model 260	EPC®	\$600	\$660	DS-VFM	5-28V DC	M-12*	Light Duty
25T	EPC®	\$968	\$1,065	DS-VFM	5-28V DC	MS 10-pin	Medium Duty
Model 770	EPC®	\$2,165	\$2,382	DS-VFM	5-28V DC	MS 10-pin	For Brake Use**

* Mating connectors not provided for M-12 connection

** For use of brake along with encoder on motor, please select these encoders



HS20 Encoder



HS35 Encoder



SL56 Encoder



260 Encoder



25T Encoder



770 Encoder

Brakes

- Connections to brakes: flying leads in brake enclosure
- Brakes rated for holding only – not to be applied for stopping
- Universal mount – for vertical and horizontal mounted motors

Make	Coil Volts (V AC)	1024 PPR List	List	Discount Symbol
Stearns®	575	10 lb-ft	\$911	DS-VFM
Stearns®	575	6 lb-ft	\$766	DS-VFM
Stearns®	208-230/460	10 lb-ft	\$911	DS-VFM
Stearns®	208-230/460	6 lb-ft	\$766	DS-VFM
Stearns®	115/208-230	10 lb-ft	\$911	DS-VFM
Stearns®	115/208-230	6 lb-ft	\$766	DS-VFM



ACCU-Torq™ Motor & Brake Configuration



ACCU-Torq™ Motor & Encoder Configuration



ACCU-Torq™ Motor, Encoder & Brake Configuration

Shaft Grounding Ring

- Reduces potential bearings failures caused by induced shaft currents

Make	List	Discount Symbol
AEGIS®	\$175	DS-VFM

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN/DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

Definite Purpose Three Phase, Totally Enclosed Blower Cooled or Non-Ventilated Vector Duty 0-1800 RPM (0-60 Hertz) Speed Range Constant Torque

APPLICATIONS:

For conveyors, presses, hoists or other inverter powered applications having constant torque requirements at or near zero speed. All items on this page are assembled to order. Contact your Customer Service representative for lead times.



CTX
Blower Cooled

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per Phase), Premium Efficient, Special Balance
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Mill & Chemical Duty Paint, 40°C Ambient, NEMA®† Design B On 60 Hertz Sine Wave Power
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger For IP54 Protection, Constant HP To 90 Hertz
- Class F Insulation, 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
- Regreasable Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Sealed Bearings 140, Double Shielded 180-360
- Double Dip & Bake With Extra Bracing
- 5-28 Volt, 1024 PPR Encoder, Quadrature Output
- On Blower Cooled Only: Constant Speed Blower: 115V (140-180 Frame), 230/460V (210-440 Frame)
- 10 Pin MS Encoder Connector Standard, 9 Pin Sub-D Connector Optional
- C-Face 180 Frame and Smaller
- Conversion Kits: Cast Iron Conduit Box, C&D Flanges

Non-Ventilated

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	145TC	VN1T2BC	\$2,268	DS-VFM	14.3	60	84.0	3.5/1.8	28
1 1/2	1800(3600)	230/460	145TC	VN32T2BC	\$2,344	DS-VFM	14.3	70	85.5	4.6/2.3	28
2	1800(3600)	230/460	182TC	VN2T2BC	\$3,091	DS-VFM	14.8	122	89.5	5.8/2.9	28
3	1800(3600)	230/460	184TC	VN3T2BC	\$3,247	DS-VFM	15.8	135	90.2	8.8/4.4	28
5	1800(3600)	230/460	213T	VN5T2B	\$3,794	DS-VFM	17.7	185	91.7	13.1/6.6	28
7 1/2	1800(3600)	230/460	215T	VN7T2B	\$4,169	DS-VFM	19.2	210	91.7	18.5/9.2	28
10	1800(3600)	230/460	254T	VN10T2B	\$5,017	DS-VFM	22.8	275	93.0	26/13	28
15	1800(3600)	230/460	256T	VN15T2B	\$5,476	DS-VFM	25.5	315	93.6	36/18	28

Blower Cooled

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143TC	VB1T2BC	\$3,060	DS-VFM	14.3	65	85.5	2.9/1.5	07
1 1/2	1800(3600)	230/460	145TC	VB32T2BC	\$3,147	DS-VFM	14.3	68	85.5	4.4/2.2	07
2	1800(3600)	230/460	145TC	VB2T2BC	\$3,222	DS-VFM	14.3	75	85.5	5.5/2.8	07
3	1800(3600)	230/460	182TC	VB3T2BC	\$4,299	DS-VFM	14.8	125	89.5	7.7/3.9	07
5	1800(3600)	230/460	184TC	VB5T2BC	\$4,455	DS-VFM	15.8	144	89.5	12.8/6.4	07
7 1/2	1800(3600)	230/460	213T	VB7T2B	\$5,222	DS-VFM	17.7	194	91.7	18.3/9.1	08
10	1800(3600)	230/460	215T	VB10T2B	\$5,597	DS-VFM	19.2	220	91.7	23.8/11.9	08
15	1800(3600)	230/460	254T	VB15T2B	\$6,610	DS-VFM	22.8	349	92.4	37/18.4	08
20	1800(3600)	230/460	256T	VB20T2B	\$7,069	DS-VFM	25.5	349	93.0	47/23.7	08
25	1800(3600)	230/460	284T	VB25T2B	\$8,211	DS-VFM	25.5	370	93.6	58/29.2	08
30	1800(2700)	230/460	286T	VB30T2B	\$8,991	DS-VFM	27.0	400	93.6	69/34	08
40	1800(2700)	230/460	324T	VB40T2B	\$10,012	DS-VFM	30.6	590	93.6	92/46	08
50	1800(2700)	230/460	326T	VB50T2B	\$11,415	DS-VFM	30.6	665	94.1	113/56	08
60	1800(2700)	230/460	364T	VB60T2B	\$14,586	DS-VFM	32.6	865	94.5	138/69	08
75	1800(3600)	230/460	365T	VB75T2B	\$17,654	DS-VFM	32.6	890	95.0	168/84	08

Note 07 115 Blower Voltage
Note 08 230/460 Blower Voltage

Note 28: TENV Enclosure

† All marks shown within this document are properties of their respective owners.



Definite Purpose Three Phase, Totally Enclosed Blower Cooled (TEBC) Open Loop Vector Duty 36-1800 (2-60 Hertz) Speed Range Constant Torque

APPLICATIONS:

For conveyors, presses, hoists or other inverter powered applications having constant torque requirements at or near zero speed. All items on this page are assembled to order. Contact your Customer Service representative for lead times.



FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per Phase), Premium Efficient, Special Balance
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 40°C Ambient, NEMA®† Design B Performance On Sine Wave Power
- Conversion Kits: Cast Iron Conduit Box, C&D Flanges
- Regreasable Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360
- Double Dip & Bake With Extra Bracing
- Constant Speed Blower: 115V (140-180 Frame), 230/460V (210-440 Frame)
- Class F Insulation, 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
- Constant Horsepower to 90 Hertz,
- Cast Iron Inner Bearing Caps (180 Frame & Up)
- C-Face, Footed 1-5 HP
- For VFD Guidelines, refer to page viii

CTBI

Footed

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143TC	B1T2BC	\$1,698	DS-VFM	12.6	65	85.5	2.9/1.5	07
1 1/2	1800(3600)	230/460	145TC	B32T2BC	\$1,785	DS-VFM	12.6	70	85.5	4.4/2.2	07
2	1800(3600)	230/460	145TC	B2T2BC	\$1,860	DS-VFM	12.6	70	85.5	5.5/2.8	07
3	1800(3600)	230/460	182TC	B3T2BC	\$2,321	DS-VFM	15.2	100	89.5	7.7/3.9	07
5	1800(3600)	230/460	184TC	B5T2BC	\$2,478	DS-VFM	15.6	110	89.5	12.8/6.4	07
7 1/2	1800(3600)	230/460	213T	B7T2B	\$2,421	DS-VFM	17.6	160	91.7	18.3/9.1	08
10	1800(3600)	230/460	215T	B10T2B	\$3,620	DS-VFM	19.1	175	91.7	23.7/11.8	08
15	1800(3600)	230/460	254T	B15T2B	\$4,633	DS-VFM	23.8	300	92.4	37/18.4	08
20	1800(3600)	230/460	256T	B20T2B	\$5,092	DS-VFM	25.5	360	93.0	47/23.7	08
25	1800(3600)	230/460	284T	B25T2B	\$6,235	DS-VFM	25.5	350	93.6	58/29.2	08
30	1800(2700)	230/460	286T	B30T2B	\$7,014	DS-VFM	27.0	440	93.6	69/34	08
40	1800(2700)	230/460	324T	B40T2B	\$8,035	DS-VFM	30.6	600	93.6	92/46	08
50	1800(2700)	230/460	326T	B50T2B	\$9,437	DS-VFM	30.6	610	94.1	113/56	08
60	1800(2700)	230/460	364T	B60T2B	\$12,610	DS-VFM	32.6	825	94.5	138/69	08
75	1800(3600)	230/460	365T	B75T2B	\$15,676	DS-VFM	32.6	910	95.0	168/84	08

Note 07 115 Blower Voltage
 Note 08 230/460 Blower Voltage

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GENERAL PURPOSE UNIMOUNT
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 841 PLUS™
 GENERAL PURPOSE OPEN DRIP/PROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE FREQUENCY

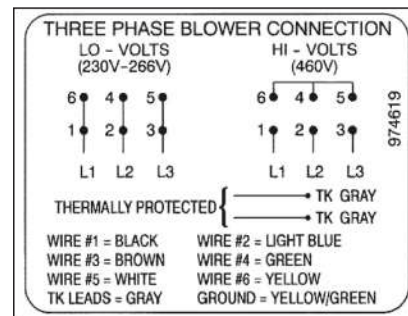
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GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN/DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

Special Application, Vector Duty Blower & Encoder Data

Standard Blower Performance Data

Frame	Volts	Watts	Syn Speed	Full Load PF	Full Load Amps	Locked Rotor Amps	Phase	dBA	Replacement Fan	List Price
140	115	39	3600	0.73	0.47	0.72	1	65	427387-000	\$178
180	115	39	3600	0.73	0.47	0.72	1	65	427387-000	\$178
210	230	31	3600	0.88	0.09	0.35	3	65	427388-000	\$615
210	460	35	3600	0.73	0.06	0.19	3	65	427388-000	\$615
250	230	31	3600	0.88	0.09	0.35	3	65	427388-000	\$615
250	460	35	3600	0.73	0.06	0.19	3	65	427388-000	\$615
280	230	148	3600	0.91	0.41	1.84	3	74	427389-000	\$686
280	460	165	3600	0.90	0.23	0.92	3	74	427389-000	\$686
320	230	148	3600	0.91	0.41	1.84	3	74	427389-000	\$686
320	460	165	3600	0.90	0.23	0.92	3	74	427389-000	\$686
360	230	148	3600	0.91	0.41	1.84	3	74	427389-000	\$686
360	460	165	3600	0.90	0.23	0.92	3	74	427389-000	\$686

210-440 Frame 3-Phase Blower Connection Data



1024 PPR Spare/Replacement Encoders

Frame	Type	Std. Part No.	List	10 Pin Part No.	List
180,210,360,400,440	TEBC	426073-000	\$783	N/A	N/A
180,210	TENV	0426071	\$827	0471234	\$927
250	TEBC	426077-000	\$917	N/A	N/A
250	TENV	426075-000	\$917	0471235	\$1017
280	TEBC	0426079	\$1073	N/A	N/A
320	TEBC	427381-000	\$1073	N/A	N/A

10 Pin Bendix Wiring

Pin No.	Function
D	+VDC
F	COM
A	A
B	B
C	Z
H	A'
J	B'
K	Z'
E	N/C

9 Pin Sub-D Wiring

Pin No.	Function
1	+VDC
2	A
3	A'
4	B
5	B'
6	Z
7	Z'
8	N/C
9	COM

Encoder Replacements for ACCU-Torq® Motors

Base Model	1024 PPR Part No.	1024 PPR List	2048 PPR Part No.	2048 PPR List	Connector
Dynapar-HS20	630871-000	\$650	630871-001	\$715	MS 10-pin
Dynapar-HS35	630872-000	\$1,533	630872-001	\$1,686	MS 10-pin
Dynapar-SL56	630873-000	\$2,420	630873-001	\$2,662	Epic Solderless
EPC-Model 260*	630874-000	\$600	630874-001	\$660	M-12*
EPC-25T	630875-000	\$968	630875-001	\$1,065	MS 10-pin
EPC-Model 770	630876-000	\$2,165	630876-001	\$2,382	MS 10-pin

Stock Encoder Specifications

- Thru-shaft design (180-449 Frame)
- Differential Line Drive Output 5-26VDC (SL56 5-15)
- Quadrature Output Wave Form with Index Reference
- 1024 or 2048 PPR
- 100°C Maximum Operating Temperature

Encoder Spare/Replacement Parts

Part No.	List	Description
0427398	\$25	9 Pin Sub-D Connector - Female
427386-000	\$45	9 Pin to 9 Pin Molded Cable 18"
427385-000	\$42	9 Pin to 9 Pin Molded Cable 12"
0617820	\$95	9 Pin Molded to 10 Pin Strain Relief Cable 18"
0617821	\$92	9 Pin Molded to 10 Pin Strain Relief Cable 12"
427396-000	\$23	Plug for 9 Pin Connector Hole TEBC
917799-000	\$70	10 Pin Bendix MS Connector - Female
411236-000	\$687	Retrofit Encoder Old Design - TENV Body Mount Connector
411243-000	\$687	Retrofit Encoder Old Design - Cable With Connector

Brake Replacements for ACCU-Torq® Motors

EMR Part	Coil Volts (v-ac)	Holding Torque	List
630869-000	575	10 lb-ft	\$911
630870-000	575	6 lb-ft	\$766
630867-000	208-230/460	10 lb-ft	\$911
630868-000	208-230/460	6 lb-ft	\$766
630865-000	115/208-230	10 lb-ft	\$911
630866-000	115/208-230	6 lb-ft	\$766

Grounding Ring Replacement for ACCU-Torq® Motors

Make	EMR Part	List
AEGIS®†	632246-000	\$175

† All marks shown within this document are properties of their respective owners.



Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT®, Inverter Duty 10:1 (6-60 Hertz) Speed Range Variable Torque

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications.



FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Extruded Aluminum Frame (140: Rolled Steel)
- Aluminum End Shields With Steel Bearing Inserts
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Removable Base 180 Frame & Larger
- Lifting Provisions 180 Frame & Larger
- Regreasable Shaft-End Bearing 180 Frame & Larger
- Sealed Bearings 56-140, Double Shielded Bearings 180-280
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, F1 Assembly Position
- Class F Insulation, 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
- Constant Horsepower To 90 Hertz
- Precision Balance (< 0.08 In/Sec Vibration)
- C-Face Footed 1-5 HP

5:1 (12-60 Hertz) Speed Range Constant Torque

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800(3600)	208-230/460	56C	UN13V2BC	\$374	DS-VST	8.8	26	-	1.4-1.4/0.71	28
	1800(3600)	230/460	56C	U13T2BCR	\$393	DS-VST	10.8	22	-	1.6/0.8	FTLS
1/2	1800(3600)	208-230/460	56C	UN12V2AC	\$416	DS-VST	8.8	26	-	2.0-2.1/1.1	28
	1800(3600)	230/460	56C	U12T2BCR	\$437	DS-VST	10.8	78	-	2.3/1.1	FTLS
	1200(2400)	208-230/460	56C	UN12V3BC	\$541	DS-VST	10.3	33	-	2.3-2.4/1.2	28
3/4	1800(3600)	208-230/460	56C	UN34V2AC	\$414	DS-VST	8.8	26	-	2.8-2.7/1.3	28
	1800(3600)	230/460	56C	U34T2BCR	\$469	DS-VST	12.1	32	-	2.7/1.3	FTLS
	1200(2400)	208-230/460	56C	UN34V3BC	\$586	DS-VST	13.6	32	-	3.1-3.0/1.5	28
1	1800(3600)	208-230/460	56C	UN1V2AFC	\$522	DS-VST	11.8	37	-	3.5-3.4/1.7	28
	1800(3600)	230/460	143TC	U1V2BC	\$537	DS-VST	13.1	45	85.5	2.9/1.5	
	1200(2400)	230/460	145TC	U1V3BC	\$698	DS-VST	13.1	42	81.5	3.7/1.9	
1 1/2	3600(7200)	230/460	143TC	U32V1BC	\$609	DS-VST	13.1	37	84.0	3.9/1.9	
	1800(3600)	208-230/460	56C	T32V2BFC	\$572	DS-VST	13.4	34	-	5.1-5.0/2.5	
	1800(3600)	230/460	145TC	U32V2BC	\$587	DS-VST	13.1	42	85.5	4.2/2.1	
	1200(2400)	230/460	182TC	U32V3BC	\$890	DS-VST	16.1	60	87.5	4.6/2.3	
2	3600 (7200)	230/460	145TC	U2V1BC	\$636	DS-VST	13.1	40	86.5	4.9/2.4	
	1800(3600)	230/460	145TC	U2V2BC	\$636	DS-VST	13.1	55	85.5	5.5/2.8	
	1200 (2400)	230/460	184TC	U2V3BC	\$975	DS-VST	16.9	70	87.5	6/3	
3	3600 (7200)	230/460	182TC	U3V1BC	\$905	DS-VST	16.1	60	87.5	7.8/3.9	
	1800(3600)	230/460	182TC	U3V2BC	\$848	DS-VST	16.1	75	88.5	8.2/4.1	
	1200(2400)	230/460	213TC	U3V3BC	\$1,295	DS-VST	18.6	115	90.2	8.7/4.4	
5	3600(7200)	230/460	184TC	U5V1BC	\$1,203	DS-VST	16.9	75	88.5	12.1/6.1	
	1800(3600)	230/460	184TC	U5V2BC	\$985	DS-VST	16.9	80	90.2	12.3/6.2	
	1200(2400)	230/460	215TC	U5V3BC	\$1,854	DS-VST	20.1	145	90.2	14/7	
7 1/2	3600(7200)	230/460	213T	U7V1B	\$1,430	DS-VST	18.6	105	91.0	17.8/8.9	
	1800(3600)	230/460	213T	U7V2B	\$1,294	DS-VST	18.6	115	91.0	18.3/9.2	
	1200(2400)	230/460	254T	U7V3B	\$2,375	DS-VST	23.9	212	91.0	18.6/9.3	
10	3600(7200)	230/460	215T	U10V1B	\$1,676	DS-VST	20.1	125	91.0	23.5/11.8	
	1800(3600)	230/460	215T	U10V2B	\$1,563	DS-VST	20.1	140	91.7	23.8/11.9	
	1200(2400)	230/460	256T	U10V3B	\$2,868	DS-VST	25.6	250	0.0	24.4/12.2	
15	3600(7200)	230/460	254T	U15V1B	\$2,399	DS-VST	23.9	202	90.2	35/17.7	
	1800(3600)	230/460	254T	U15V2B	\$2,158	DS-VST	23.9	240	93.0	37/18.4	
20	3600(7200)	230/460	256T	U20V1B	\$2,970	DS-VST	25.6	222	90.2	47/23.4	
	1800(3600)	230/460	256T	U20V2B	\$2,660	DS-VST	25.6	262	93.0	47/23.7	

Note 28 TENV Enclosure
Note FTLS Footless

† All marks shown within this document are properties of their respective owners.



GENERAL PURPOSE UNIMOUNT™
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN DRIP-PROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY
GENERAL PURPOSE 841 PLUS™
GENERAL PURPOSE OPEN/DRIP/PROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty, Inverter Duty 10:1 (6-60 Hertz) Speed Range Variable Torque

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications having variable torque requirements.



CTI

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM Special Balance
- Regreasable Bearings 250 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, F1 Assembly Position
- Class F Insulation, 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
- Constant Horsepower To 90 Hertz
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 320-360)
- C-Face Footed 1-5 HP

5:1 (12-60 Hertz) Speed Range Constant Torque

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143TC	H1V2BC	\$558	DS-VST	12.6	67	85.5	2.9/1.5	
	1200(2400)	230/460	145TC	H1V3BC	\$812	DS-VST	12.6	72	81.5	3.7/1.9	
1 1/2	3600(7200)	230/460	143TC	H32V1BC	\$689	DS-VST	12.6	65	84.0	3.9/1.9	
	1800(3600)	230/460	145TC	H32V2BC	\$619	DS-VST	12.6	72	85.5	4.4/2.2	
	1200(2400)	230/460	182TC	H32V3BC	\$901	DS-VST	16.8	100	86.5	5/2.5	
2	3600(7200)	230/460	145TC	H2V1BC	\$818	DS-VST	12.6	72	86.5	4.9/2.4	
	1800(3600)	230/460	145TC	H2V2BC	\$678	DS-VST	12.6	82	85.5	5.5/2.8	
	1200(2400)	230/460	184TC	H2V3BC	\$973	DS-VST	15.6	110	87.5	6/3	
3	3600(7200)	230/460	182TC	H3V1BC	\$959	DS-VST	16.0	100	87.5	7.6/3.8	
	1800(3600)	230/460	182TC	H3V2BC	\$848	DS-VST	16.8	100	89.5	7.8/3.9	
	1200(2400)	230/460	213TC	H3V3BC	\$1,295	DS-VST	19.1	160	90.2	8.7/4.4	
5	3600(7200)	230/460	184TC	H5V1BC	\$1,203	DS-VST	16.8	110	88.5	12.2/6.1	
	1800(3600)	230/460	184TC	H5V2BC	\$985	DS-VST	16.8	110	89.5	12.8/6.4	
	1200(2400)	230/460	215TC	H5V3BC	\$1,854	DS-VST	20.6	175	90.2	14/7	
7 1/2	3600(7200)	230/460	213T	H7V1B	\$1,294	DS-VST	17.6	160	91.0	17.8/8.9	
	1800(3600)	230/460	213T	H7V2B	\$1,294	DS-VST	19.2	167	91.0	18.4/9.2	
	1200(2400)	230/460	254T	H7V3B	\$2,375	DS-VST	25.3	300	91.0	18.6/9.3	
10	3600(7200)	230/460	215T	H10V1B	\$1,676	DS-VST	19.2	175	91.0	23.2/11.6	
	1800(3600)	230/460	215T	H10V2B	\$1,563	DS-VST	19.1	175	91.7	23.8/11.9	
	1200(2400)	230/460	256T	H10V3B	\$2,868	DS-VST	25.5	352	91.7	24.5/12.3	
15	3600(7200)	230/460	254T	H15V1B	\$2,399	DS-VST	25.3	300	90.2	35/17.7	
	1800(3600)	230/460	254T	H15V2B	\$2,158	DS-VST	25.3	300	92.4	37/18.4	
	1200(2400)	230/460	284T	H15V3B	\$3,997	DS-VST	35.7	380	91.7	37/18.7	
20	3600(7200)	230/460	256T	H20V1B	\$2,970	DS-VST	25.5	362	90.2	47/23.4	
	1800(3600)	230/460	256T	H20V2B	\$2,660	DS-VST	25.5	372	93.0	47/23.7	
	1200(2400)	230/460	286T	H20V3B	\$4,842	DS-VST	27.0	410	91.7	49/24.5	
25	3600(7200)	230/460	284TS	H25V1BS	\$3,400	DS-VST	25.6	380	91.7	59/29.5	
	1800(3600)	230/460	284T	H25V2B	\$2,979	DS-VST	27.0	380	93.0	59/29.4	
	1200(2400)	230/460	324T	H25V3B	\$5,377	DS-VST	30.6	600	93.0	62/31	
30	3600(5400)	230/460	286TS	H30V1BS	\$3,987	DS-VST	25.6	400	91.7	69/35	
	1800(2700)	230/460	286T	H30V2B	\$3,474	DS-VST	27.0	440	93.6	69/34	
	1200(2400)	230	326T	H30V3B	\$6,345	DS-VST	30.6	675	93.0	74	

† All marks shown within this document are properties of their respective owners.



Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty, Inverter Duty 10:1 (6-60 Hertz) Speed Range Variable Torque

(continued)



CTI

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
40	3600(5400)	230/460	324TS	H40V1BS	\$5,152	DS-VST	29.1	560	92.4	91/46	
	1800(2700)	230/460	324T	H40V2B	\$4,535	DS-VST	30.6	600	94.1	92/46	
	1200(2400)	230/460	364T	H40V3B	\$8,546	DS-VST	32.6	906	94.1	93/46	
50	3600(5400)	230/460	326TS	H50V1BS	\$6,629	DS-VST	29.1	600	93.0	112/56	
	1800(2700)	230/460	326T	H50V2B	\$5,568	DS-VST	30.6	710	94.5	113/56	
	1200(2400)	230/460	365T	H50V3B	\$9,845	DS-VST	32.6	900	94.1	116/58	
60	3600(5400)	230/460	364TS	H60V1BS	\$8,533	DS-VST	30.4	790	93.6	136/68	
	1800(2700)	230/460	364T	H60V2B	\$7,807	DS-VST	32.6	825	95.0	138/69	
	1200(2400)	230/460	404T	H60V3B	\$11,184	DS-VST	37.6	1160	94.5	140/70	
75	3600(4500)	230/460	365TS	H75V1BS	\$10,722	DS-VST	30.4	830	93.6	167/83	
	1800(3600)	230/460	365T	H75V2B	\$9,929	DS-VST	32.6	225	95.0	168/84	
	1200(2400)	230/460	405T	H75V3B	\$13,187	DS-VST	37.6	1300	94.5	175/87	
100	3600(4500)	230/460	405TS	H100V1BS	\$13,960	DS-VST	34.6	1200	94.5	218/109	
	1800(3600)	230	405T	H100V2B	\$12,236	DS-VST	37.6	1250	95.4	225	
	1200(2400)	460	444T	H100V3C	\$18,055	DS-VST	45.8	1660	95.0	122	
125	3600(4500)	460	444TS	H125V1CS	\$17,869	DS-VST	42.0	1550	94.5	147	
	1800(3600)	460	444T	H125V2C	\$16,220	DS-VST	45.8	1675	95.4	146.0	
	1200(2400)	460	445T	H125V3C	\$20,653	DS-VST	45.8	1750	95.4	151	
150	3600(4500)	460	445TS	H150V1CS	\$21,000	DS-VST	41.6	1650	95.4	179	
	1800(3600)	460	445T	H150V2C	\$18,949	DS-VST	45.4	1800	95.8	171	
	1200(2400)	460	445T	H150V3C	\$23,721	DS-VST	45.4	1750	95.4	153	
200	3600(4500)	460	447TS	H200V1CS	\$27,800	DS-VST	45.1	2040	95.4	219	
	1800(3600)	460	447T	H200V2C	\$23,135	DS-VST	48.9	2143	95.8	226	

† All marks shown within this document are properties of their respective owners.



Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty, Inverter Duty 10:1 (6-60 Hertz) Speed Range Constant Torque

APPLICATIONS:

For pumps, fans, blowers or other inverter powered applications having constant torque requirements. All items on this page are assembled to order. Contact your Customer Service representative for lead times.



CTI

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 40°C Ambient, NEMA®† Design A Performance
- Regreasable Bearings 250 Frame & Up, Lifting Provisions 180 Frame & Up
- Double Shielded Bearings 140-360
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, Special Balance, F1 Assembly Position
- Class F Insulation, 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
- Cast Iron Inner Bearing Caps (180 Frame & Up)
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Drip Cover Kits (except 320-360)
- C-Face 180 Frame and Smaller

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	145TC	H1T2BC	\$619	DS-VST	12.6	65	84.0	3.5/1.8	
1 1/2	1800(3600)	230/460	145TC	H32T2BC	\$678	DS-VST	12.6	70	85.5	4.6/2.3	
2	1800(3600)	230/460	182TC	H2T2BC	\$848	DS-VST	15.2	100	89.5	5.8/2.9	
3	1800(3600)	230/460	184TC	H3T2BC	\$985	DS-VST	15.6	110	90.2	8.8/4.4	
5	1800(3600)	230/460	213T	H5T2B	\$1,294	DS-VST	17.6	160	91.7	13.1/6.6	
7 1/2	1800(3600)	230/460	215T	H7T2B	\$1,563	DS-VST	19.1	175	92.4	18.4/9.2	
10	1800(3600)	230/460	254T	H10T2B	\$2,158	DS-VST	23.8	300	93.0	26.1/13	
15	1800(3600)	230/460	256T	H15T2B	\$2,660	DS-VST	25.5	360	94.1	36/18	
20	1800(3600)	230/460	284T	H20T2B	\$2,979	DS-VST	25.5	390	93.6	48/23.9	
25	1800(3600)	230/460	286T	H25T2B	\$3,474	DS-VST	27.0	440	94.1	58/28.9	
30	1800(2700)	230/460	324T	H30T2B	\$4,535	DS-VST	30.6	600	94.5	69/35	
40	1800(2700)	230/460	326T	H40T2B	\$5,568	DS-VST	30.6	610	94.5	90/45	
50	1800(2700)	230/460	364T	H50T2B	\$7,807	DS-VST	32.6	825	95.0	115/57	
60	1800(2700)	230/460	365T	H60T2B	\$9,929	DS-VST	32.6	910	95.4	135/67	

† All marks shown within this document are properties of their respective owners.



Definite Purpose Three Phase, Open Dripproof (ODP) Inverter Duty 10:1 (6-60 Hertz) Speed Range Variable Torque



DI, RI

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Rolled Steel Frame (140-320), Cast Iron Frame (360-440)
- Aluminum End Shields 140-250, Cast Iron End Shields 280-440
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Constant Horsepower To 90 Hertz
- Lifting Provisions (210 Frame & Up)
- Regreaseable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings 140-400, Open On 440 Frame
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, Special Balance, F1 Assembly Position
- Class F Insulation, 1.15 Service Factor On Sine Wave / 1.0 Service Factor On PWM
- Conversion Kits: Canopy Kits (140-320 Frame)
- For VFD Guidelines, Refer to Page viii

5:1 (12-60 Hertz) Speed Range Constant Torque

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143T	D1V2B	\$688	DS-VFM	12.8	37	84.0	3.1/1.6	
	1200(2400)	230/460	145T	D1V3B	\$887	DS-VFM	12.8	40	80.0	3.7/1.8	
1 1/2	1800(3600)	230/460	145T	D32V2B	\$752	DS-VFM	12.8	42	85.5	4.2/2.1	
	1200(2400)	230/460	182T	D32V3B	\$972	DS-VFM	15.0	50	85.5	5.3/2.6	
2	1800(3600)	230/460	145T	D2V2B	\$829	DS-VFM	12.8	147	85.5	5.7/2.8	
	1200(2400)	230/460	184T	D2V3B	\$1,249	DS-VFM	15.0	60	86.5	6.3/3.2	
3	1800(3600)	230/460	182T	D3V2B	\$885	DS-VFM	15.0	50	89.5	7.8/3.9	
5	3600(7200)	230/460	182T	D5V1B	\$1,075	DS-VFM	15.0	50	87.5	12.2/6.1	
	1800(3600)	230/460	184T	D5V2B	\$1,075	DS-VFM	15.0	60	89.5	13/6.5	
	1200(2400)	230/460	215T	D5V3B	\$1,958	DS-VFM	17.5	104	88.5	14.4/7.2	
7 1/2	3600(7200)	230/460	184T	D7V1B	\$1,562	DS-VFM	15.0	60	87.5	18.2/9.1	
	1800(3600)	230/460	213T	D7V2B	\$1,500	DS-VFM	16.0	94	91.0	18.5/9.3	
	1200(2400)	230/460	254T	D7V3B	\$2,339	DS-VFM	22.6	150	91.7	18.9/9.5	
10	3600(7200)	230/460	213T	D10V1B	\$1,854	DS-VFM	16.0	94	90.2	24.3/12.2	
	1800(3600)	230/460	215T	D10V2B	\$1,814	DS-VFM	17.5	104	90.2	24.5/12.2	
	1200(2400)	230/460	256T	D10V3B	\$2,734	DS-VFM	22.7	160	91.7	25.1/12.6	
15	3600(7200)	230/460	215T	D15V1B	\$2,345	DS-VFM	17.5	104	90.2	36/18	
	1800(3600)	230/460	254T	D15V2B	\$2,408	DS-VFM	22.6	162	92.4	37/18.6	
	1200(2400)	230/460	284T	D15V3B	\$3,520	DS-VFM	24.9	312	91.7	37/18.5	
20	3600(7200)	230/460	254T	D20V1B	\$2,770	DS-VFM	22.6	162	91.0	46/23.2	
	1800(3600)	230/460	256T	D20V2B	\$2,940	DS-VFM	22.7	172	93.0	48/24	
	1200(2400)	230/460	286T	D20V3B	\$4,317	DS-VFM	24.9	337	91.7	49/24.4	
25	3600(7200)	230/460	256T	D25V1B	\$3,379	DS-VFM	22.7	160	91.0	58/29.2	
	1800(3600)	230/460	284T	D25V2B	\$3,417	DS-VFM	24.9	162	93.6	58/29.2	
	1200(2400)	230/460	324T	D25V3B	\$5,125	DS-VFM	27.3	416	93.0	59/29.3	
30	3600(5400)	230/460	284TS	D30V1BS	\$4,030	DS-VFM	23.5	312	92.4	68/34	
	1800(2700)	230/460	286T	D30V2B	\$3,971	DS-VFM	24.9	350	94.1	69/34	
	1200(2400)	230/460	326T	D30V3B	\$5,862	DS-VFM	27.3	446	93.0	70/35	
40	3600(5400)	230/460	286TS	D40V1BS	\$4,977	DS-VFM	23.5	362	93.0	90/45	
	1800(2700)	230/460	324T	D40V2B	\$4,766	DS-VFM	27.3	731	94.1	91/46	
	1200(2400)	230/460	364T	D40V3B	\$8,314	DS-VFM	28.7	580	94.5	92/46	
50	3600(5400)	230/460	324TS	D50V1BS	\$5,913	DS-VFM	25.8	416	93.0	117/59	
	1800(2700)	230/460	326T	D50V2B	\$5,556	DS-VFM	27.3	611	94.1	114/57	
	1200(2400)	230/460	365T	D50V3B	\$9,709	DS-VFM	29.7	580	94.5	115/57	
60	3600(5400)	230/460	326TS	D60V1BS	\$6,724	DS-VFM	25.8	446	93.6	135/67	
	1800(2700)	230/460	364T	D60V2B	\$6,810	DS-VFM	28.7	580	95.0	138/69	
	1200(2400)	230/460	404T	D60V3B	\$11,328	DS-VFM	32.6	763	95.0	138/69	

† All marks shown within this document are properties of their respective owners.



Definite Purpose Three Phase, Open Dripproof (ODP) Inverter Duty 10:1 (6-60 HZ) Speed Range Variable Torque



DI, RI

(continued)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
75	3600(4500)	230/460	364TS	D75V1BS	\$8,660	DS-VFM	26.6	580	94.1	171/85	
	1800(3600)	230/460	365T	D75V2B	\$8,011	DS-VFM	29.7	600	95.0	171/86	
	1200(2400)	230/460	405T	D75V3B	\$13,029	DS-VFM	34.1	800	94.5	172/86	
100	3600(4500)	230/460	365TS	D100V1BS	\$11,372	DS-VFM	27.6	600	94.1	224/112	
	1800(3600)	230/460	404T	D100V2B	\$9,991	DS-VFM	32.6	868	95.4	224/112	
	1200(2400)	460	444T	D100V3C	\$16,135	DS-VFM	37.8	1100	95.0	121	
125	3600(4500)	460	404TS	D125V1CS	\$14,150	DS-VFM	29.6	763	95.0	136	
	1800(3600)	460	405T	D125V2C	\$12,231	DS-VFM	34.1	813	95.4	140	
150	3600(4500)	230/460	405TS	D150V1BS	\$17,212	DS-VFM	31.1	800	94.5	327/164	
	1800(3600)	460	444T	D150V2C	\$17,276	DS-VFM	37.8	1118	95.8	165	
	1200(2400)	460	445T	D150V3C	\$21,964	DS-VFM	39.8	1200	95.4	190	
200	1800(3600)	460	445T	D200V2C	\$22,322	DS-VFM	39.8	1200	95.8	231	
250	1800(3600)	460	447T	D250V2C	\$32,263	DS-VFM	43.3	1700	96.2	285	

† All marks shown within this document are properties of their respective owners.



HURST® Motors

"Dedicated to Perfection"



RPM: Fixed and Variable

Gearing:

- Spur
- Right Angle and Inline
- Hardened

Types:

- Brushless DC
 - Integrated Control
 - Analog or PWM
 - Encoders
- DC Stepper
- NEMA®† 42 AC Induction
- AC Synchronous
- Linear Actuator



In addition to a full line of standard stock motors, Hurst manufactures many custom OEM motors, gear motors, and brushless DC (BLDC) motor controls. For more than 60 years, we have developed and produced innovative, cost effective solutions for our customers.

The Hurst product development team, combined with the global capabilities of Nidec Corporation, keeps our products at the leading edge of technology. We firmly believe a holistic, systems approach is necessary to develop the best application-specific motor solution. By working closely with our customers and understanding their processes, we are able to tailor a product solution in order to achieve the best outcome.

Hurst leverages Nidec Corporation's global resources by accessing:

- Global manufacturing locations
- Economical materials
- Advanced engineering design and manufacturing tools
- Superior quality systems

Dedicated prototype manufacturing capabilities enables Hurst to deliver proposed solutions quickly.

- Fully staffed toolroom
- Phase Gate project development system
- Precision gear hobbing and heat treating
- Wire EDM and Laser cutting
- SLA and SLS machines
- Multiple stator winding processes
- Tribology lab for bearing system development
- Sound lab
- Lamination stamping
- Custom motor control software and hardware

For more information about Hurst products or to place an order, contact Nidec Motor Corporation Customer Service at **888-637-7333**.

† All marks shown within this document are properties of their respective owners.

Geared Stepping Motors 42mm Diameter

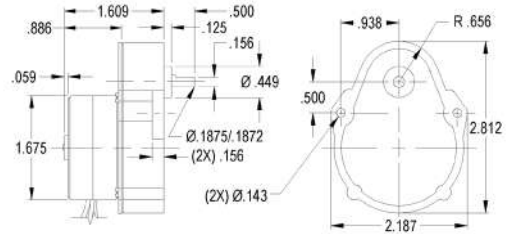


APPLICATIONS:

For use in general purpose applications, instrumentation, imaging equipment, and communication technology.

FEATURES:

- Up to 150 oz-in [1059 mN-m] Torque
- 7.5° Step Angle
- -10°C to 40°C Ambient
- +/-5% Position Accuracy
- Class A Insulation
- 4 Phase Bifilar
- Hardened Steel, AGMA 7 Gearing
- Sleeve Bearings
- Qty (6) Leads, 9 Inches, 28 AWG
- **Discount Symbol: DS-3HUR**



Rated Torque @ 175 p/s			Step Angle (degree)	Volts (DC)	Catalog Number	List	Input Watts	Ohms	mH per phase @ 1KHZ	Rotor Inertia (oz-in ²)	Ship Wt. (oz.)	Notes
Rated Torque		RPM										
oz-in	mN-m		RPM									
12.6	89	43.8	1.5	12	LSG42012E20P	\$86	5.8	50	33	0.039	10	
25	178	21.9	0.75	12	LSG42012E30P	\$75	5.8	50	33	0.039	10	
38	267	14.6	0.5	12	LSG42012E40P	\$75	5.8	50	33	0.039	10	
69	488	7.3	0.25	12	LSG42012F52P	\$87	5.8	50	33	0.039	10	
86	610	5.8	0.2	12	LSG42012F58P	\$88	5.8	50	33	0.039	10	
150	1059	2.9	0.1	12	LSG42012F76P	\$96	5.8	50	33	0.039	10	
150	1059	1.5	0.05	12	LSG42012E90P	\$115	5.8	50	33	0.039	10	
150	1059	0.73	0.025	12	LSG42012E98P	\$120	5.8	50	33	0.039	10	

*Additional RPM's, Ball Bearing Designs, and 5, 6, and 24 Volt DC Voltages are Available

Geared Stepping Motors 55mm Diameter

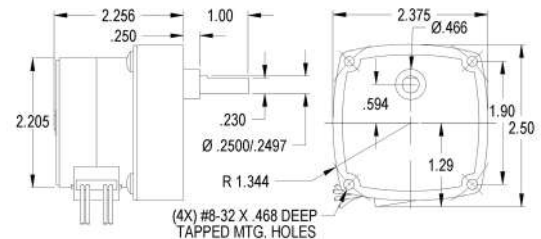


APPLICATIONS:

For use in general purpose applications, instrumentation, imaging equipment, and communication technology.

FEATURES:

- Up to 200 oz-in [1412 mN-m] Torque
- 7.5° Step Angle
- -10°C to 40°C Ambient
- +/-5% Position Accuracy
- Class A Insulation
- 4 Phase Bifilar
- Hardened Steel, AGMA 7 Gearing
- Sleeve Bearings
- Qty (6) Leads, 9 Inches, 24 AWG
- **Discount Symbol: DS-3HUR**



Rated Torque @ 175 p/s			Step Angle (degree)	Volts (DC)	Catalog Number	List	Input Watts	Ohms	mH per phase @ 1KHZ	Rotor Inertia (oz-in ²)	Ship Wt. (oz.)	Notes
Rated Torque		RPM										
oz-in	mN-m		RPM									
36	254	21.9	0.75	12	LSG55T012E30S	\$93	9	32	33	0.34	18	
54	381	14.6	0.5	12	LSG55T012F40S	\$113	9	32	33	0.34	18	
101	713	7.3	0.25	12	LSG55T012F52S	\$112	9	32	33	0.34	18	
126	890	5.8	0.2	12	LSG55T012F58S	\$111	9	32	33	0.34	18	
162	1144	2.9	0.1	12	LSG55T012E76S	\$126	9	32	33	0.34	18	
185	1306	1.5	0.05	12	LSG55T012E90S	\$126	9	32	33	0.34	18	
200	1412	0.73	0.025	12	LSG55T012F98S	\$143	9	32	33	0.34	18	
200	1412	0.36	0.0125	12	LSG55T012F97S	\$146	9	32	33	0.34	18	

*Additional RPM's, Ball Bearing Designs, and 5, 6, and 24 Volt DC Voltages are Available

† All marks shown within this document are properties of their respective owners.



Geared Synchronous Motors 42mm Diameter

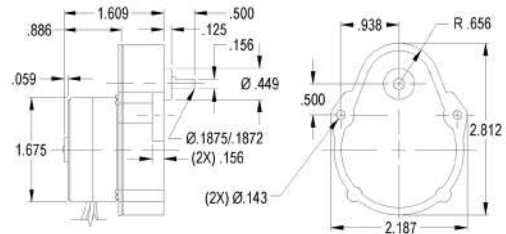


APPLICATIONS:

For use in general purpose applications, instrumentation, imaging equipment, and communication technology.

FEATURES:

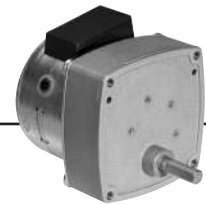
- Up to 150 oz-in [1059 mN-m] Torque
- 1 to 120 RPM
- -10°C to 40°C Ambient
- Class A Insulation
- UL^{®†} Recognized
- Hardened Steel, AGMA 7 Gearing
- Component-Impedance Protected
- Sleeve Bearings
- 0.39 MFD Cap Supplied for 50/60 Hz Operation
- Qty (4) Leads, 9 Inches, 28 AWG
- **Discount Symbol: DS-3HUR**



Rated Torque		50/60 Hz		Catalog Number	List	Bearings	Input Watts	Cap MFD (50/60 Hz)	Ship Wt. (oz.)	Notes
oz-in	mN-m	RPM	Volts							
7	49	100/120	115	LYG42115E08P	\$89	Sleeve	4	0.39	10	
14	99	50/60	115	LYG42115E20P	\$88	Sleeve	4	0.39	10	
28	198	25/30	115	LYG42115E30P	\$78	Sleeve	4	0.39	10	
77	544	8.3/10	115	LYG42115F52P	\$89	Sleeve	4	0.39	10	
128	904	5/6	115	LYG42115F64P	\$89	Sleeve	4	0.39	10	
150	1059	3.3/4	115	LYG42115F76P	\$98	Sleeve	4	0.39	10	
150	1059	1.67/2	115	LYG42115E90P	\$118	Sleeve	4	0.39	10	
150	1059	0.83/1	115	LYG42115E98P	\$122	Sleeve	4	0.39	10	

*Additional RPM's, Ball Bearing Designs, and 24 and 230 VAC Voltages are Available

Geared Synchronous Motors 55mm Diameter

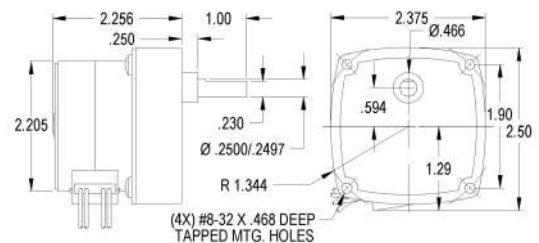


APPLICATIONS:

For use in general purpose applications, instrumentation, imaging equipment, and communication technology.

FEATURES:

- Up to 200 oz-in [1412 mN-m] Torque
- 1 to 120 RPM
- -10°C to 40°C Ambient
- Class A Insulation
- UL^{®†} Recognized
- Component-Impedance Protected
- Hardened Steel, AGMA 7 Gearing
- Sleeve Bearings
- 0.5 MFD Cap Supplied for 60 Hz Operation
- Qty (4) Leads, 9 Inches, 22 AWG
- **Discount Symbol: DS-3HUR**



Rated Torque		50/60 Hz		Catalog Number	List	Bearings	Input Watts	Cap MFD (50/60 Hz)	Ship Wt. (oz.)	Notes
oz-in	mN-m	RPM	Volts							
11	78	100/120	115	LYG55T115EL08S	\$114	Sleeve	5	0.62/0.5	18	
22.5	159	50/60	115	LYG55T115EL20S	\$102	Sleeve	5	0.62/0.5	18	
45	318	25/30	115	LYG55T115EL30S	\$98	Sleeve	5	0.62/0.5	18	
126	890	8.3/10	115	LYG55T115FL52S	\$115	Sleeve	5	0.62/0.5	18	
140	989	5/6	115	LYG55T115FL64S	\$115	Sleeve	5	0.62/0.5	18	
152	1073	3.3/4	115	LYG55T115EL76S	\$130	Sleeve	5	0.62/0.5	18	
174	1229	1.67/2	115	LYG55T115EL90S	\$130	Sleeve	5	0.62/0.5	18	
200	1412	0.83/1	115	LYG55T115FL98S	\$146	Sleeve	5	0.62/0.5	18	

*Additional RPM's, Ball Bearing Designs, and 24 and 230 VAC Voltages are Available

† All marks shown within this document are properties of their respective owners.



Geared Brushless DC 50mm Diameter

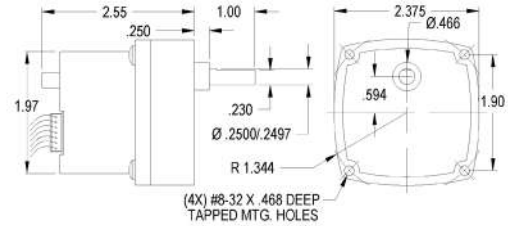


APPLICATIONS:

For use in general purpose applications, instrumentation, imaging equipment, and communication technology.

FEATURES:

- Up to 200 oz-in [1412 mN-m] Torque
- 1 to 120 RPM
- -10°C to 40°C Ambient
- Class A Insulation
- Integrated PWM Motor Control
- Locked Rotor Protection
- Hardened Steel, AGMA 7 Gearing
- Sleeve Bearings
- 7 Inch Leads, 26 AWG
- **Discount Symbol: DS-3HUR**



Rated Torque		RPM		Gear Ratio	Volts (DC)	Catalog Number	List	Bearings	Input Watts	Max Full Load Amps	Ship Wt. (oz.)	Notes
oz-in	mN-m	No Load	Full Load									
19	134	240	120	5:1	24	27H-005	\$202	Sleeve	24	1.0	20	2, 3
38	268	120	60	10:1	24	27H-010	\$202	Sleeve	24	1.0	20	2, 3
87	614	48	24	25:1	24	27H-025	\$202	Sleeve	24	1.0	20	2, 3
200	1412	20	10	60:1	24	27H-060	\$213	Sleeve	23	.95	20	1, 2, 3
200	1412	12	6	100:1	24	27H-100	\$213	Sleeve	18	.75	20	1, 2, 3
200	1412	8	4	150:1	24	27H-150	\$224	Sleeve	12	.50	20	1, 2, 3
200	1412	4	2	300:1	24	27H-300	\$224	Sleeve	7.2	.30	20	1, 2, 3
200	1412	2	1	600:1	24	27H-600	\$224	Sleeve	3.6	.15	20	1, 2, 3

Motor Connection (Pin Configuration)

No.	Type	Explanation
1	20FG	Open-collector circuit, ic - 3.0mA. square wave pulses 20ppr
2	5V	IC Power Supply
3	CW/CCW	High = CW / Low = CCW
4	PWM	$f_{in} = 0.5k \text{ to } 50 \text{ kHz}$, $V_{in(Low)} < 1.0V$, $V_{in(high)} = 2.5 \text{ to } 5.0V$, duty cycle - 20% to 30% (see note 2)
5	ST/SP	Start (ST) = Low and Stop (SP) = High
6	GND	Ground
7	VM	Motor Power Supply

Connector Type: S7B-ZR-SM4A (vendor JST)

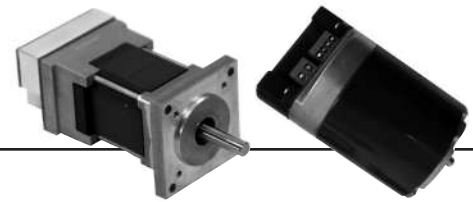
Notes:

- 1) The motor is capable of driving the geartrain beyond the 200 oz-in maximum rating; therefore, review your application to ensure the 200 oz-in maximum rating is not exceeded.
- 2) The motor is capable of driving the geartrain beyond the Full Load RPM; therefore, do not exceed 30% PWM command on pin #4 of the motor connection. Exceeding the Full Load RPM rating will reduce the life of the gearing.
- 3) Do not change from high to low or from low to high on the Reverse pin (Pin #3) while the motor is running to avoid damaging the integrated motor control.

† All marks shown within this document are properties of their respective owners.



Brushless DC with GreenDrive® Motor Control NT Dynamo® - Size 17, NEMA®† 23, and NEMA®† 34



APPLICATIONS:

For use in general purpose applications, office automation, pumps, conveyors, instrumentation, and fans.

FEATURES:

- Up to 294 oz-in (18.4 in-lb) Torque
- Ball Bearings
- Stainless Steel Shaft
- Neodymium Magnets
- UL®† Recognized Class B Insulation
- Low Cogging Torque
- Integral Motor Control Options
- Encoder Options
- 24 Inch Leads
- **Discount Symbol: DS-3HUR**

Rated Torque		RPM	Volts (DC)	Catalog Number	List	Frame	Input Watts	Winding				Fig	"C" Dim. (inches)	Ship Wt. (lbs)	Notes
oz-in	mN-m							K_T (oz-in / A)	K_E (V _p / KRPM)	Ohms	mH				
10	71	1100	24	DM17224D	\$313	17	16	13.2	9.8	12.7	10.1	A	4.04	1.0	1
10	71	2800	24	DM17224B	\$313	17	32	6.3	4.7	3.4	2.3	A	4.04	1.0	1
10	71	1100	24	DM23224D	\$316	23	16	13.2	9.8	12.7	10.1	B	4.04	1.0	1
10	71	2800	24	DM23224B	\$316	23	32	6.3	4.7	3.4	2.3	B	4.04	1.0	1
20	141	1300	24	DM17324D	\$345	23	29	14.0	10.4	4	4.4	A	4.79	1.2	1
20	141	2800	24	DM17324B	\$345	17	55	7.8	5.8	1.2	1.2	A	4.79	1.2	1
20	141	1300	24	DM23324D	\$348	17	29	14.0	10.4	4	4.4	B	4.79	1.2	1
20	141	2800	24	DM23324B	\$348	23	55	7.8	5.8	1.2	1.2	B	4.79	1.2	1
30	212	1500	24	DM17424D	\$370	23	49	15	11.2	1.8	0.64	A	6.29	1.4	1
30	212	2700	24	DM17424B	\$370	17	78	8.4	6.2	0.57	1.9	A	6.29	1.4	1
30	212	1500	24	DM23424D	\$374	17	49	15	11.2	1.8	0.64	B	6.29	1.4	1
30	212	2700	24	DM23424B	\$374	23	78	8.4	6.2	0.57	1.9	B	6.29	1.4	1
74	520	3450	48	DM34148A	\$397	34	250	13.4	10.4	0.71	1.3	C	3.47	4.2	2, 3
98	689	3450	48	DM34248A	\$417	34	302	15.2	11.8	0.29	0.8	C	4.06	4.5	2, 3
146	1028	1725	48	DM34248B	\$457	34	228	27.2	21.1	0.97	2.5	C	4.06	4.8	2, 3
196	1378	1725	48	DM34448B	\$477	34	286	28.8	22.8	0.37	1.4	C	5.24	5.3	2, 3
221	1559	1140	48	DM34348C	\$516	34	231	38.4	30.4	1.1	3.4	C	4.65	5.9	2, 3
294	2079	1140	48	DM34448C	\$536	34	298	40.0	31.7	0.74	2.8	C	5.24	6.3	2, 3

Notes:

- Supplied with Integrated GreenDrive® Control
 - Analog Input Command
 - Open Loop Speed
 - Tachometer Output (15 Pulses/Rev)
 - Direction Output
 - No Encoder
- No Integrated Motor Control Supplied
Supplied with Connection Board
 - Motor Phase Connections
 - Commutation Signals
 - 2 Channel Encoder with 250 Line Resolution
- Non-stock item (call for lead time).

Available Options from Hurst:

- Motor**
- 10 Vdc to 48 Vdc input voltage
 - Other torque values available
 - Other speed ranges available
 - Gearing: Spur and Planetary
- Outputs (With no Control)**
- Motor Phase Connections
 - Commutation Signals
 - 2 Channel Encoders (lines of resolution): 100, 250, 256 with Index, 400, or 1000

Integrated GreenDrive® Control

- Input Command: Analog or PWM
- Control: Open Loop Speed or Torque
Closed Loop Speed
- 2 or 4 quadrant operation
- 2 Channel Encoders (lines of resolution): 100, 250, 256 with Index, 400, or 1000
- Tachometer and Direction Output

† All marks shown within this document are properties of their respective owners.



HURST
MOTORS AND
GEARING

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HYAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Linear Actuators

AC Induction and Brushless DC



APPLICATIONS:

For use in general purpose indoor industrial applications.

FEATURES:

- Up to 1300 lbs Lifting Force
- Class B Insulation
- 40°C Ambient
- Automatic Reset Thermal Protection on AC Induction
- For Indoor Use Only
- Capacitor Included
- Internal Adjustable Limit Switches
- Single-lead, Rolled Thread Lifting Screw
- Single Right-Hand Acme Screw
- Qty (4) Leads, 16 inch length, 18 AWG
- Outer Tube Protects Screw and Nut from Contaminants
- Worm Gear Construction
- **Discount Symbol: DS-3HUR**

Rated Load (lbs)	Linear Speed (in/min)	Travel (in)	Duty Cycle (1 min on & 3 min off)	Volts	Motor Type	Catalog Number	List	Dimension (inches)					Fig	Ship Wt. (lbs)	Full Load Amps	Notes
								"B"	"D"	"E"	"L"	"M"				
300	19.4	12	25%	115 AC	Ind	K37MYA323367	\$581	.382/.376	1.38	3/4-8	20.0	32.0	A	13.9	1.4	
400	8.4	12	25%	115 AC	Ind	K37MYA323368	\$571	.382/.376	1.38	3/4-8	20.0	32.0	A	14.0	1.4	
1000	8.9	12	25%	115 AC	Ind	K37MYA283373	\$982	.382/.376	1.38	3/4-5	20.5	32.5	B	19.8	1.8	
1000	20	12	25%	115 AC	Ind	K37MYA283571	\$999	.382/.376	1.38	3/4-5	20.5	32.5	B	21.1	4.2	
1300	8.9	10	25%	115 AC	Ind	K37MYA283572	\$1998	.505/.500	2.00	1.0/5	20.5	30.5	B	21.1	4.2	
300 to 1300	19.4 Max	10 or 12	25%	12 to 48 DC	BLDC	Contact Your Customer Service Representative		.382/.376 or .505/.500	1.38 or 2.00	3/4-8, 3/4-5, or 1.0/5	20.0 or 20.5	32.0, 32.5, or 30.5	A or B	-	-	1, 2, 3

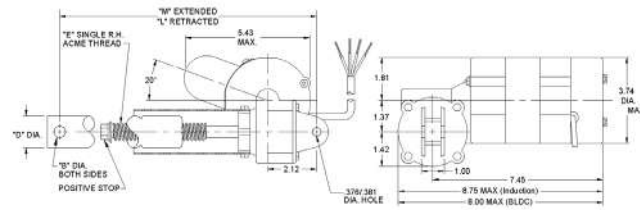


Figure A - TENV Enclosure

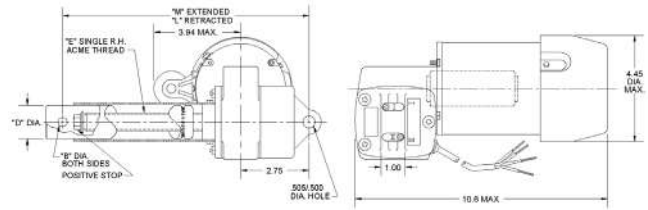


Figure B - TEFC Enclosure

Notes:

- 1) Linear Speed (inches/minute): Lower inch/minute speed is possible by adjusting the integrated Brushless DC motor control input command.
- 2) To configure a Brushless DC Linear Actuator for your application, please contact your customer service representative.
- 3) Non-stock item (call for lead time and pricing).

† All marks shown within this document are properties of their respective owners.



NEMA[®] 42C, General Purpose, Permanent Split Capacitor Fan Cooled (TEFC) and Non-Vent (TENV)



APPLICATIONS:

For use in fans, pumps, and general purpose commercial and industrial applications with light starting load requirements.

FEATURES:

- Double Shielded Ball Bearings
- Includes Capacitor Mounted With Cover
- 40°C Ambient
- Class B Insulation
- Reversible Rotation
- Footed design NEMA[®] 42CY
- Footless design NEMA[®] 42C
- Automatic Reset Thermal Overload Protection
- Side Mounted Conduit Box
- Continuous Duty
- **Discount Symbol: DS-3HUR**

Footed, C-Face (shaft height is not NEMA 42) *ITEMS NOT IN STOCK*

HP	RPM	Voltage	Frame	Enclosure	Catalog Number	List	SF	"C" Dim. (inches)	Fig	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1725	115	42CY	TENV	K37MYMEM0808	\$290	1.25	6.18	A	9.3	1.3	1
1/8	1725	115	42CY	TEFC	K37MYMEM0809	\$296	1.15	7.42	B	9.3	2.0	1
	3450	115/230	42CY	TENV	K37MYMEM0814	\$293	1.25	6.18	A	8.8	1.9/3.8	1
1/6	1725	115	42CY	TEFC	K37MYMEM0810	\$298	1.00	8.42	B	12.3	3.4	1
	3450	115/230	42CY	TEFC	K37MYMEM0815	\$293	1.25	7.42	B	9.3	3.2/1.6	1
1/4	3450	115/230	42CY	TEFC	K37MYMEM0816	\$299	1.25	7.42	B	9.6	3.4/1.7	1

Footless, C-Face *ITEMS NOT IN STOCK*

HP	RPM	Voltage	Frame	Enclosure	Catalog Number	List	SF	"C" Dim. (inches)	Fig	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1725	115	42C	TENV	K37MYMEM0811	\$276	1.25	6.18	A	9.3	1.3	1
1/8	1725	115	42C	TEFC	K37MYMEM0812	\$283	1.15	7.42	B	9.3	2.0	1
	3450	115/230	42C	TENV	K37MYMEM0817	\$279	1.25	6.18	A	8.8	1.9/3.8	1
1/6	1725	115	42C	TEFC	K37MYMEM0813	\$285	1.00	8.42	B	12.3	3.4	1
	3450	115/230	42C	TEFC	K37MYMEM0818	\$279	1.25	7.42	B	9.3	3.2/1.6	1
1/4	3450	115/230	42C	TEFC	K37MYMEM0819	\$286	1.25	7.42	B	9.6	3.4/1.7	1

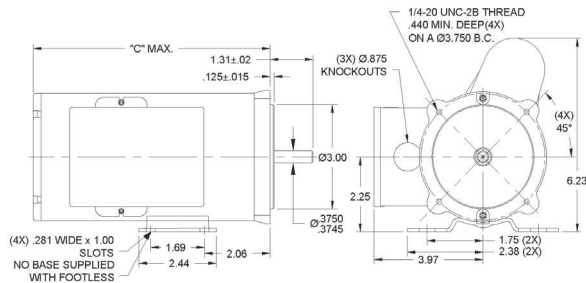


Figure A - TENV Enclosure

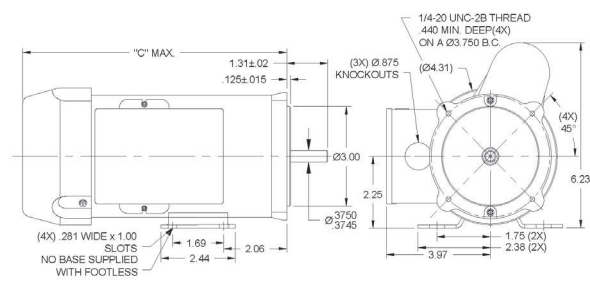


Figure B - TEFC Enclosure

Notes:

- 1) Non-stock item (call for lead time).

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The Difference is **U.S. MOTORS®**

Optimize motor system efficiency.
Reduce energy costs.
Improve reliability.

When we asked what YOU needed for energy-wise operations, we heard your answers loud and clear. In addition to our full line of premium efficient motors, we've broadened our offering to include a wider range of motor categories. From pump motors to rolled steel unimounts to cooling tower motors, the U.S. MOTORS® brand premium efficient line helps you keep energy costs in check.

What does this mean to you?

We're putting our engineering knowledge and experience to work for you every day to provide a vast array of superior performing U.S. MOTORS brand motors that will expand your energy saving options.

For more information about Nidec Motor Corporation or the U.S. MOTORS' line of premium efficient motors, visit www.nidec-motor.com or www.usmotors.com. Better yet, give us a call at **888-637-7333** and start saving today.

Moving industry forward with Premium Efficient Motor Technologies



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Brakemotors

For bulk material handling equipment, conveyor cranes and hoists



Horsepower: 1/3 – 20 HP

Phase: Three Phase

RPM: 1200 or 1800 RPM

Voltage: 208-230/460 60 Hertz 1.15
Service Factor 190/380 50 Hertz 1.0
Service Factor

Mounting Options:

Horizontal or Vertical position. Available in 3 configurations:

- Footed
- C-Face Footed
- C-Face Footless

Enclosure:

Totally Enclosed Fan Cooled (TEFC)

Bearings: Non-Regreasable oversized bearings

Construction:

IP55 Pressure Die-cast aluminum frame

Impregnation:

Vacuum Pressure Impregnation (VPI)

Inverter Duty:

Constant Torque 2:1 Variable Torque
10:1 speed range

Agency:

UL^{®†} Recognized and CSA^{®†} Certified



UNIMOUNT[®] Brakemotors

Fully assembled, totally enclosed fan cooled motor and brake premieres the key features of a U.S. MOTORS[®] brand UNIMOUNT[®] motor and a Stearns^{®†} brake. Available in both footed and c-face footless ratings, the motor is designed for use on conveyors, machine tools, door operators, speed reducers or other applications that require stops and positive holds.

UNIMOUNT[®] Brakemotors are built to help extend the life of the motor. Each motor is built to include the ALLGUARD[®] motor quality system, including pulse resistant/abrasion wire and 100% solids polyester varnish. The 56 to 140 frames are made of rolled steel frames. The 180 frame is extruded aluminum alloy that helps improve heat dissipation for cool operation.

Features Include:

- Class F Insulation, Class B Rise at Full Load
- 40°C Ambient
- NEMA^{®†} Design B
- Double Shielded Bearings on 56 to 180 Frames
- Diagonally Split Oversized Conduit Box
- "CE" Mark on Nameplate of the 140 to 180 Frames
- Removable Base on 180 Frames
- Full 50 & 60 Hertz on Nameplate
- Full HP @ 50 Hertz
- Dual Voltage Ratings Suitable for Part Winding Start on Low Voltage



[†] All marks shown within this document are properties of their respective owners.

UNIMOUNT® Brakemotor Totally Enclosed Fan Cooled (TEFC) Motor



APPLICATIONS:

For use on conveyors, machine tools, door operators, speed reducers, or any application requiring quick stops and positive holds.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Aluminum Frame (180 Frame)
- Rolled Steel Frame (56-140 Frames)
- Full 50 & 60 Hertz Operating on Nameplate
- 40°C Ambient, NEMA[†] Design B Performance On 60 Hertz Sine Wave Power
- Full HP @ 50 Hertz
- Double Shielded Bearings (180 Frame)
- Dual Voltage Ratings Suitable for Part Winding Start (PWS) on Low Voltage
- "CE" Mark on Nameplate (140-180 Frames)
- Lifting Provisions (180 Frame)

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Brake Torque (lb-ft)
1/2	1800	208-230/460	56	BMU12S2A	\$1,011	DS-3F	17.3	27	1.8-1.7/0.9	3.0
3/4	1800	208-230/460	56	BMU34S2A	\$1,182	DS-3F	17.3	30	2.6-2.7/1.3	6.0
1	1800	208-230/460	143T	BMU1S2A	\$1,328	DS-3FTE	17.6	42	3.1-3.2/1.6	6.0
1 1/2	1800	208-230/460	56	BMU32S2A	\$1,548	DS-3F	18.6	42	4.7-4.7/2.3	10.0
2	1800	208-230/460	145T	BMU2S2A	\$1,530	DS-3FTE	17.6	27	6.2-6.2/3.1	10.0
3	1800	208-230/460	182T	BMU3S2A	\$2,070	DS-3FTE	21.5	70	8.9-8.3/4.2	15.0
5	1800	208-230/460	184T	BMU5S2A	\$2,573	DS-3FTE	22.8	85	14.6-13.7/6.8	25.0

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Brake Torque (lb-ft)
1/2	1800	208-230/460	56C	BMU12S2ACR	\$1,034	DS-3F	15.6	30	1.8-1.7/0.9	3.0
3/4	1800	208-230/460	56C	BMU34S2AFCR	\$1,213	DS-3F	15.6	37	2.6-2.7/1.3	6.0
1	1800	208-230/460	143TC	BMU1S2ACR	\$1,350	DS-3FTE	16.9	40	3.1-3.2/1.6	6.0
	1800	208-230/460	56C	BMU1S2AFCR	\$1,400	DS-3F	16.9	36	3.3-3.4/1.7	6.0
1 1/2	1800	208-230/460	145TC	BMU32S2ACR	\$1,515	DS-3FTE	16.9	48	4.7-4.7/2.3	10.0
	1800	208-230/460	56C	BMU32S2AFCR	\$1,571	DS-3F	16.9	38	4.7-4.7/2.3	10.0
2	1800	208-230/460	56C	BMU2S2AFCR	\$1,610	DS-3F	16.9	48	6.2-6.2/3.1	10.0
	1800	230/460	145TC	BMU2S2ACR	\$1,553	DS-3FTE	16.9	48	6.2/3.1	10.0
3	1800	208-230/460	182TC	BMU3S2ACR	\$2,175	DS-3FTE	21.5	75	8.9-8.3/4.2	15.0
5	1800	208-230/460	184TC	BMU5S2ACR	\$2,685	DS-3FTE	22.8	85	14.6-13.7/6.8	25.0

[†] All marks shown within this document are properties of their respective owners.



Definite Purpose Totally Enclosed Fan Cooled (TEFC) Motor FCR Series Brakemotor



BRFC

APPLICATIONS:

For manual release, brake torque adjustments, external air gap adjustments and where high cycling is required.
Bulk material handling equipment, conveyors, cranes and hoists.

FEATURES:

- Class F Insulation
- Pressure Die Cast Aluminum Alloy Frame
- Non-Regreasable, Oversized Ball Bearings (56-250 Frame)
- F0 Assembly Position (Conduit Box On Top)
- High Braking Torque (Heavy Duty)
- 180 Volt DC Brake Coil (Rectifier Included)
- 1.15 Service Factor @ 60 Hertz, 40°C Ambient, Continuous Duty
- Simple Manual Brake Release Option Available
- Air Gap Can Be Adjusted Easily
- Suitable For Use On The Following:
 - 60 Hertz 208-230/460 Volt - 9 Leads
 - 50 Hertz 380 Volt (1.0 Service Factor) - 9 Leads
 - 60 Hertz 575/600 Volt - 3 Leads (Only On Request)

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Brake Torque (lb-ft)
1/3	1800	208-230/460	56	BR13S2A3	\$1,377	DS-3LS	12.7	20	-	1.5-1.3/0.65	4.4
	1200	208-230/460	56	BR13S3A3	\$1,523	DS-3LS	12.7	24	-	1.6-1.6/0.8	4.4
1/2	1800	208-230/460	56	BR12S2A3	\$1,377	DS-3LS	12.7	22	-	2.1-1.9/1.0	4.4
	1200	208-230/460	56	BR12S3A3	\$1,523	DS-3LS	12.7	38	-	2.1-2.0/1.0	7.4
3/4	1800	208-230/460	56	BR34S2A3	\$1,412	DS-3LS	12.7	34	-	2.8-2.6/1.3	4.4
	1200	208-230/460	56	BR34S3A3	\$1,698	DS-3LS	12.7	40	-	3.2-3.2/1.6	7.4
1	1800	208-230/460	143T	BR1S2AG3	\$2,048	DS-3LS	14.3	50	77.2	3.3-3.2/1.6	7.4
	1800	208-230/460	56	BR1S2A3	\$1,554	DS-3LS	12.7	37	-	3.6-3.4/1.7	7.4
	1200	208-230/460	145T	BR1S3A3	\$2,048	DS-3LS	14.3	50	71.0	3.6-4.2/2.1	14.8
1 1/2	1800	208-230/460	145T	BR32S2A3	\$1,956	DS-3LS	14.3	45	77.0	4.6-4.6/2.3	14.8
	1200	208-230/460	145T	BR32S3A3	\$2,672	DS-3LS	14.3	54	74.8	5.3-5.3/2.7	14.8
2	1800	208-230/460	145T	BR2S2A3	\$2,133	DS-3LS	14.3	50	80.0	6.2-6.2/3.1	14.8
	1200	208-230/460	182T	BR2S3A3	\$2,625	DS-3LS	16.6	65	77.0	9.1-9.0/4.5	18.4
3	1800	208-230/460	182T	BR3S2A3	\$2,600	DS-3LS	16.6	60	78.8	9.3-9.0/4.5	18.4
	1200	208-230/460	215T	BR3S3A3	\$3,574	DS-3LS	22.8	90	80.0	10.3-10.0/5.0	23.6
5	1800	208-230/460	184T	BR5S2A3	\$3,467	DS-3LS	16.6	90	83.7	15.5-15.2/7.6	23.6
7 1/2	1800	208-230/460	213T	BR7S2A3	\$4,548	DS-3LS	20.6	106	86.7	21.0-19.4/9.7	44.3
10	1800	208-230/460	215T	BR10S2A3	\$6,008	DS-3LS	22.8	172	87.7	28.5-26.6/13.3	59.0
15	1800	208-230/460	254T	BR15S2A3	\$8,252	DS-3LS	26.4	188	89.6	38.8-36.4/18.2	77.5
20	1800	208-230/460	256T	BR20S2A3	\$9,539	DS-3LS	26.4	223	90.0	55.0-50.4/25.2	118.0

C-Face Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Brake Torque (lb-ft)
1/3	1800	208-230/460	56C	BR13S2AC3	\$1,523	DS-3LS	12.7	20	-	1.5-1.3/0.65	4.4
	1200	208-230/460	56C	BR13S3AC3	\$1,766	DS-3LS	12.7	24	-	1.6-1.6/0.8	4.4
1/2	1800	208-230/460	56C	BR12S2AC3	\$1,523	DS-3LS	12.7	22	-	2.1-1.9/1.0	4.4
	1200	208-230/460	56C	BR12S3AC3	\$1,781	DS-3LS	12.7	38	-	2.1-2.0/1.0	7.4
3/4	1800	208-230/460	56C	BR34S2AC3	\$1,554	DS-3LS	12.7	34	-	2.8-2.6/1.3	4.4
	1200	208-230/460	56C	BR34S3AC3	\$1,941	DS-3LS	12.7	40	-	3.2-3.2/1.6	7.4
1	1800	208-230/460	143TC	BR1S2AGC3	\$2,335	DS-3LS	14.3	50	77.2	3.3-3.2/1.6	7.4
	1800	208-230/460	56C	BR1S2AC3	\$1,705	DS-3LS	12.7	37	-	3.6-3.4/1.7	7.4
	1200	208-230/460	145TC	BR1S3AC3	\$2,335	DS-3LS	14.3	50	71.0	3.6-4.2/2.1	14.8
1 1/2	1800	208-230/460	145TC	BR32S2AC3	\$2,184	DS-3LS	14.3	45	77.0	4.6-4.6/2.3	14.8
	1200	208-230/460	145TC	BR32S3AC3	\$3,006	DS-3LS	14.3	54	74.8	5.3-5.3/2.7	14.8

† All marks shown within this document are properties of their respective owners.



Definite Purpose Totally Enclosed Fan Cooled (TEFC) Motor FCR Series Brakemotor



BRFC

(continued)

C-Face Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Brake Torque (lb-ft)
2	1800	208-230/460	145TC	BR2S2AC3	\$2,396	DS-3LS	14.3	50	80.0	6.2-6.2/3.1	14.8
	1200	208-230/460	182TC	BR2S3AC3	\$2,954	DS-3LS	16.6	65	77.0	9.1-9.0/4.5	18.4
3	1800	208-230/460	182TC	BR3S2AC3	\$2,954	DS-3LS	16.6	60	78.8	9.3-9.0/4.5	18.4
	1200	208-230/460	184TC	BR3S3AC3	\$4,013	DS-3LS	18.4	90	80.0	10.3-10.0/5.0	23.6
5	1800	208-230/460	184TC	BR5S2AC3	\$3,782	DS-3LS	18.4	90	83.7	15.5-15.2/7.6	23.6
7 1/2	1800	208-230/460	213TC	BR7S2AC3	\$4,836	DS-3LS	17.5	110	86.7	21.0-19.4/9.7	44.3
10	1800	208-230/460	215TC	BR10S2AC3	\$6,288	DS-3LS	19.7	176	87.7	28.5-26.6/13.3	59.0
15	1800	208-230/460	254TC	BR15S2AC3	\$8,773	DS-3LS	22.6	192	89.6	38.8-36.4/18.2	77.5
20	1800	208-230/460	256TC	BR20S2AC3	\$10,053	DS-3LS	22.6	227	90.0	55.0-50.4/25.2	118.0

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Brake Torque (lb-ft)
1/3	1800	208-230/460	56C	BR13S2ACR3	\$1,453	DS-3LS	12.7	20	-	1.5-1.3/0.65	4.4
	1200	208-230/460	56C	BR13S3ACR3	\$1,649	DS-3LS	12.7	24	-	1.6-1.6/0.8	4.4
1/2	1800	208-230/460	56C	BR12S2ACR3	\$1,453	DS-3LS	12.7	22	-	2.1-1.9/1.0	4.4
	1200	208-230/460	56C	BR12S3ACR3	\$1,680	DS-3LS	12.7	38	-	2.1-2.0/1.0	7.4
3/4	1800	208-230/460	56C	BR34S2ACR3	\$1,488	DS-3LS	12.7	34	-	2.8-2.6/1.3	4.4
	1200	208-230/460	56C	BR34S3ACR3	\$1,849	DS-3LS	12.7	40	-	3.2-3.2/1.6	7.4
1	1800	208-230/460	143TC	BR1S2AGCR3	\$2,184	DS-3LS	14.3	50	77.2	3.3-3.2/1.6	7.4
	1800	208-230/460	56C	BR1S2ACR3	\$1,680	DS-3LS	12.7	37	-	3.6-3.4/1.7	7.4
	1200	208-230/460	145T	BR1S3ACR3	\$2,184	DS-3LS	14.3	50	71.0	3.6-4.2/2.1	14.8
1 1/2	1800	208-230/460	145TC	BR32S2ACR3	\$2,108	DS-3LS	14.3	45	77.0	4.6-4.6/2.3	14.8
	1200	208-230/460	145TC	BR32S3ACR3	\$2,839	DS-3LS	14.3	54	74.8	5.3-5.3/2.7	14.8
2	1800	208-230/460	145TC	BR2S2ACR3	\$2,250	DS-3LS	14.3	50	80.0	6.2-6.2/3.1	14.8
	1200	208-230/460	182TC	BR2S3ACR3	\$2,777	DS-3LS	16.6	65	77.0	9.1-9.0/4.5	18.4
3	1800	208-230/460	182TC	BR3S2ACR3	\$2,777	DS-3LS	16.6	60	78.8	9.3-9.0/4.5	18.4
	1200	208-230/460	184TC	BR3S3ACR3	\$3,766	DS-3LS	18.4	90	80.0	10.3-10.0/5.0	23.6
5	1800	208-230/460	184TC	BR5S2ACR3	\$3,624	DS-3LS	18.4	90	83.7	15.5-15.2/7.6	23.6
7 1/2	1800	208-230/460	213TC	BR7S2ACR3	\$4,836	DS-3LS	17.5	110	86.7	21.0-19.4/9.7	44.3
10	1800	208-230/460	215TC	BR10S2ACR3	\$6,288	DS-3LS	21.0	176	87.7	28.5-26.6/13.3	59.0
15	1800	208-230/460	254TC	BR15S2ACR3	\$8,773	DS-3LS	22.6	192	89.6	38.8-36.4/18.2	77.5
20	1800	208-230/460	256TC	BR20S2ACR3	\$10,053	DS-3LS	22.6	227	90.0	55.0-50.4/25.2	118.0

† All marks shown within this document are properties of their respective owners.



FCR Brakemotor Kits

APPLICATIONS:

Kits designed for conversion of off-the-shelf motors to accommodate the listed features below.

Manual Brake Release

Frame	Catalog Number	List	Discount Symbol	Notes
56	KIT080CR013	\$158	DS-3LS	
140	KIT090CR013	\$235	DS-3LS	

Motor Inertia Change

Frame	Catalog Number	List	Discount Symbol	Notes
56	KIT080CR002	\$220	DS-3LS	
145	KIT090CR002	\$282	DS-3LS	

Braking Torque Change

Frame	Catalog Number	List	Discount Symbol	Notes
56	RST008RC003	\$6	DS-3LS	
	RST008RC002	\$6	DS-3LS	
145	RST010RC011	\$6	DS-3LS	
184	RST012RC004	\$6	DS-3LS	

Brake Release Fan Cover

Frame	Catalog Number	List	Discount Symbol	Notes
56	KIT080CR014	\$124	DS-3LS	
140	KIT090CR014	\$124	DS-3LS	

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MOJAVE®
Condenser
Motors



The Right Motor For Extreme Conditions™

70°C (158°F) | Ambient Rated

- **Class F Insulation** - Thermal endurance to over 300° F
- **Ball Bearings** - Durability for high temperature applications, for longer life than sleeve bearings
- **48" Leads** - Easier wiring into today's larger condensing units
- **Special Corrosion Protection** - Longer life in humid environments
- **Totally Enclosed Air Over Design** - Allows for all position mounting
- **Reversible** - Easy to change quick connect terminals for application flexibility

**MOJAVE® features are available on a select line of RESCUE® Condenser Motors.
RESCUE® The Ultimate Truck Stock Motor™**



General Purpose Single Phase



For commercial and industrial applications such as pumps, fans, blowers, conveyors and tools.

Horsepower: 1/12 – 10 HP

RPM: 3600, 1800, 1200, 900 RPM
(Some Two Speed Ratings Available)

Voltage: Operable on 115, 208
or 230 Volts, 60 Hz

Construction: Rolled Steel Frame

Bearings: Ball or Sleeve Bearings

Ambient: 40°C Rated

Thermal Overload:

- Automatic Reset Thermal Overload Protector
- Manual Reset Thermal Overload Protector
- Non-Protected

Agency: UL^{®†} Recognized and
CSA^{®†} Certified



GENERAL PURPOSE SINGLE PHASE

Extensive Line of General Purpose Single Phase Motors



Open Dripproof
Split Phase



Totally Enclosed, Fan Cooled
Split Phase



Totally Enclosed, Fan Cooled
Capacitor Start

[†] All marks shown within this document are properties of their respective owners.

General Purpose Single Phase Open Dripproof (ODP) Split Phase



APPLICATIONS:

For commercial and industrial ventilation systems.

FEATURES:

- 40°C Ambient
- 60 Hertz
- Reversible Rotation
- Continuous Duty
- Class A or B Insulation
- Ball Bearing

Single Speed, Resilient Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Shaft Dim. (inches)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/6	1200	115	48Z	D16B3N4Z9	\$274	DS-3FMP	1/2" x 1.875"	1.35	10.4	17	4	20,25
1/4	1800	115	48	D14B2N49	\$143	DS-3FMP	1/2" x 1.5"	1.35	8.4	22	5.1	20,25
	1800	115	56Z	D14B2NZA9	\$172	DS-3FMP	1/2" x 1.5"	1.00	9.4	15	5.4	20,25
	1200	115	56	D14B3N9	\$326	DS-3FMP	1/2" x 1.5"	1.35	9.7	25	5.4	21,25
	1200	208-230	56	7998	\$379	DS-3FMP	1/2" x 1.5"	1.35	14.0	25	2.9	24
1/3	1800	115	48	D13B2N4A9	\$152	DS-3FMP	1/2" x 1.5"	1.00	9.4	15	6.8	25
	1800	115	48Z	D13B2N4Z9	\$207	DS-3FMP	1/2" x 1.875"	1.35	9.2	16	6.5	20,25
	1800	115	56Z	D13B2NZA9	\$172	DS-3FMP	1/2" x 1.875"	1.00	9.8	15	6	25
	1800	230	48	D13B2K4A9	\$167	DS-3FMP	1/2" x 1.5"	1.00	9.4	15	3	25
	1200	115/230	56	D13B3P9	\$379	DS-3FMP	1/2" x 1.5"	1.35	9.8	25	7.5/3.8	21,25
1/2	1800	115	56	D12B2NA9	\$241	DS-3FMP	1/2" x 1.5"	1.00	9.7	21	8.6	25
	1800	115	56Z	D12B2N49	\$269	DS-3FMP	1/2" x 1.5"	1.00	9.7	18	8.8	25
	1800	115	56Z	D12B2NZA9	\$222	DS-3FMP	1/2" x 1.875"	1.00	9.2	18	8.1	25
3/4	1800	115	56	D34B2N9	\$295	DS-3FMP	1/2" x 1.5"	1.00	9.8	21	11.0	25

Two Speed, Resilient Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Shaft Dim. (inches)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3 / 1/9	1800/1200	115	48	D13B10N49	\$229	DS-3FMP	1/2" x 1.5"	1.00	10.4	17	6.4/4.0	20,25
	1800/1200	115	56Z	3053	\$327	DS-3FMP	1/2" x 1.5"	1.00	10.4	19	7.1	25
1/2 / 1/6	1800/1200	115	56	3306	\$420	DS-3FMP	1/2" x 1.5"	1.00	10.8	26	9.2	25

Single Speed, Rigid Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Shaft Dim. (inches)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115	48Z	D14B2N4Z	\$119	DS-3FMP	1/2" x 2.25"	1.15	9.3	13	5.1	25
1/3	1800	115	48	D13B2N4A	\$146	DS-3FMP	1/2" x 1.5"	1.00	9.7	16	6.8	25,61
	1800	115	48	D13BA2N4A	\$195	DS-3FMP	1/2" x 1.5"	1.35	9.4	16	6	25,61
	1800	115	48Z	D13B2N4Z	\$122	DS-3FMP	1/2" x 2.25"	1.15	9.6	14	5.9	25
	1800	115	56Z	2911	\$231	DS-3FMP	1/2" x 1.5"	1.00	9.4	17	6.0	25,61
1/2	1800	115	48	D12B2N4	\$234	DS-3FMP	1/2" x 1.5"	1.00	9.8	22	8.8	25

Note 20 Stud Extensions in 3 5/8" Square Pattern
 Note 21 Stud Extensions in 4 3/16" Square Pattern
 Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected
 Note 61 Sleeve Bearings

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase Open Dripproof (ODP) Resilient Base, Capacitor Start



APPLICATIONS:

For air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Class A or B Insulation
- Reversible Rotation
- 40°C Ambient
- 60 Hertz
- Continuous Duty

Single Speed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/6	900	115	48	3700	\$555	DS-3FMP	1.35	8.9	23	4.5	25
1/4	1200	115/230	56	6305	\$338	DS-3FMP	1.35	10.7	32	6.2/3.1	24
1/3	3600	115/208-230	56	D13CA1J9	\$281	DS-3FMP	1.35	10.4	19	6/2.9-3.0	24
	1800	115/208-230	56H	D13CA2JH9	\$296	DS-3FMP	1.35	9.8	22	8.8/3.9-4.4	24
	1800	115/230	48	4145	\$277	DS-3FMP	1.00	9.4	22	6.8/3.4	25
	1800	115/230&110/220	48	6300	\$250	DS-3FMP	1.35	9.4	21	6.5/3.3&7.3/3.6	25,98
	1800	115/230&110/220	56	6292	\$303	DS-3FMP	1.35	10.3	22	6.5/3.3	25,98
	1200	115/208-230	56	D13CA3J9	\$420	DS-3FMP	1.35	11.3	32	6.8/3.4-3.4	24
	1200	115/230	56	6306	\$406	DS-3FMP	1.35	10.8	27	7.4/3.7	25
1/2	900	115/230	56	3705	\$816	DS-3FMP	1.35	11.8	34	8.0/4.0	25
	1800	100-120/200-240	56	6309	\$353	DS-3FMP	1.25	10.8	26	6.3-5.6/3.1-2.8	24,98
	1800	115/208-230	48	D12C2J49	\$227	DS-3FMP	1.25	9.9	22	10.3/4.8-5.3	25
	1800	115/208-230	48	D12CA2J49	\$264	DS-3FMP	1.25	8.7	22	10.3/4.8-5.3	24
	1800	115/208-230	56H	D12CA2JH9	\$303	DS-3FMP	1.25	11.3	26	9.0/4.3-4.5	24
	1800	115/208-230	56	D12C2J9	\$288	DS-3FMP	1.25	11.3	32	9.0/4.3-4.5	25
	1200	115/208-230	56	D12CA3J9	\$548	DS-3FMP	1.25	12.3	32	10.4/5.1-5.2	24
3/4	1200	115/230	56	6310	\$472	DS-3FMP	1.25	10.2	27	10.3/5.2	25
	3600	115/208-230	56	D34CA1J9	\$272	DS-3FMP	1.25	11.8	32	10.4/5.3-5.2	24
	1800	100-120/200-240	56	6313	\$403	DS-3FMP	1.25	11.3	32	9.2-8.4/4.6-4.2	24,98
	1800	115/208-230	56H	D34CA2JH9	\$347	DS-3FMP	1.25	11.9	27	11.1/5.5-5.5	24
	1800	115/208-230	56	3753	\$198	DS-3FMP	1.25	9.8	25	11.6/5.8	24
	1800	115/230	56	1660	\$314	DS-3FMP	1.00	10.8	28	11.6/5.8	24
	1800	115-208/230	56	D34C2J9	\$327	DS-3FMP	1.25	11.8	32	11.4/5.7-5.7	25
1	1200	115/208-230	56H	D34CA3J9	\$655	DS-3FMP	1.15	13.3	40	10.6/5.4-5.3	24
	3600	115/208-230	56	D1C1J9	\$380	DS-3FMP	1.25	11.8	32	14.6/6.9-7.3	25
	3600	115/208-230	56	D1CA1J9	\$384	DS-3FMP	1.25	11.8	25	14.6/6.9-7.3	24
	1800	100-120/200-240	56	6317	\$499	DS-3FMP	1.15	12.8	38	12.3-10.8/6.2-5.4	24,98
	1800	115/208-230	56H	D1C2JH9	\$389	DS-3FMP	1.15	12.3	32	14.8/7.5-7.3	25
	1800	115/208-230	56H	D1CA2JH9	\$515	DS-3FMP	1.15	12.3	15	14.8/7.5-7.3	25
	1800	115/208-230	56	3754	\$383	DS-3FMP	1.15	11.8	32	16.4/8.2	24
1 1/2	1200	115/208-230	56H	D1CA3JH9	\$703	DS-3FMP	1.15	13.8	42	12.6/6.4-6.3	24
	1800	115/208-230	145T	D32C2J149	\$566	DS-3SP	1.15	13.7	32	19.2/10.0-9.6	25
	1800	115/208-230	56H	D32C2JH9	\$498	DS-3F	1.15	13.3	32	19.2/10.0-9.6	25
1800	115/208-230	56H	D32CA2JH9	\$630	DS-3FMP	1.15	13.3	38	19.2/10.0-9.6	24	

Two Speed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3/4 / 1/4	1800/1200	115	56	6311	\$448	DS-3FMP	1.25	10.8	26	8.9/6.1	25
1 / 1/3	1800/1200	208/230	56	6316	\$501	DS-3FMP	1.15	11.8	32	7.4-7.4/4.0-4.3	25

- Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected
 Note 98 50/60 Hertz Motor

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase Open Dripproof (ODP) Rigid Base, Capacitor Start



APPLICATIONS:

For air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Rigid Base Standard
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- F1 Assembly
- Reversible Rotation

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115	56	6339	\$419	DS-3FMP	1.00	9.4	22	6	23
	1800	115/230	56	6331	\$367	DS-3FMP	1.35	8.9	22	6.2/3.1	24
	1800	115/230&110/220	48	6347	\$322	DS-3FMP	1.35	8.8	22	4.4/2.2&4.9/2.5	24
1/3	1200	115/230	56	6338	\$563	DS-3FMP	1.35	10.2	32	6.2/3.1	25
	3600	115/230	48	6335	\$267	DS-3FMP	1.35	9.1	19	6.8/3.4	24
	1800	115/208-230	48	D13C2J4	\$316	DS-3FMP	1.35	8.7	15	8.8/3.8-4.3	25
	1800	115/230&110/220	48	6349	\$419	DS-3FMP	1.35	9.1	20	6.5/3.3&7.3/3.6	24
1/2	1800	115/208-230	48	D12C2J4	\$376	DS-3FMP	1.25	9.1	20	10.3/4.8-5.3	25
	1800	115/208-230	56	D12C2J	\$383	DS-3FMP	1.25	11.9	32	9.0/4.3-4.5	25
	1800	115/208-230	56	D12CA2J	\$389	DS-3FMP	1.25	10.9	32	9.0/4.3-4.5	24
	1800	115/230	48	6343	\$467	DS-3FMP	1.25	9.8	22	8.2/4.1	24
3/4	3600	115/208-230	56	D34C1J	\$319	DS-3FMP	1.25	11.4	32	10.4/5.3-5.2	25
	3600	115/208-230	56	D34CM1J	\$396	DS-3FMP	1.25	11.4	32	10.4/5.3-5.2	23
	1800	115/208-230	56	D34C2J	\$471	DS-3FMP	1.25	11.4	32	11.4/5.7-5.7	25
	1800	115/208-230	56	D34CA2J	\$482	DS-3FMP	1.25	11.4	25	11.4/5.7-5.7	24
	1800	115/208-230	56	D34CM2J	\$510	DS-3FMP	1.25	11.4	32	11.4/5.7-5.7	23
	1200	115/208-230	56H	D34C3JH	\$597	DS-3FMP	1.15	12.9	38	10.6/5.4-5.3	25
1	3600	115/208-230	56	D1C1J	\$427	DS-3FMP	1.25	11.4	32	14.6/6.9-7.3	25
	3600	115/208-230	56	D1CM1J	\$448	DS-3FMP	1.25	11.4	32	14.6/6.9-7.3	23
	1800	115/208-230	143T	D1C2J14	\$476	DS-3SP	1.15	12.3	32	14.8/7.5-7.3	25
	1800	115/208-230	143T	D1CA2J14	\$515	DS-3SP	1.15	12.3	32	14.8/7.5-7.3	24
	1800	115/208-230	143T	D1CM2J14	\$538	DS-3SP	1.15	12.3	32	14.8/7.5-7.3	23
	1800	115/208-230	56H	D1C2JH	\$529	DS-3FMP	1.15	11.9	32	14.8/7.5-7.3	25
	1800	115/208-230	56H	D1CA2JH	\$537	DS-3FMP	1.15	11.9	31	14.8/7.5-7.3	24
	1800	115/208-230	56H	D1CM2JH	\$538	DS-3FMP	1.15	11.9	32	14.8/7.5-7.3	23
	1800	115/230	182	D1C2P18Z	\$843	DS-3SP	1.25	12.8	69	14.4/7.2	25
	1200	115/208-230	56H	D1C3JH	\$653	DS-3FMP	1.15	13.4	44	12.6/6.4-6.3	25
1 1/2	3600	115/208-230	143T	D32C1J14	\$474	DS-3FMP	1.15	12.3	32	18.6/9.8-9.3	25
	3600	115/208-230	56H	D32C1JH	\$474	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	25
	3600	115/208-230	56H	D32CM1JH	\$543	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	23
	1800	115/208-230	145T	D32C2J14	\$632	DS-3SP	1.15	13.3	32	19.2/10.0-9.6	25
	1800	115/208-230	145T	D32CM2J14	\$630	DS-3SP	1.15	13.3	32	19.2/10.0-9.6	23
	1800	115/208-230	56H	D32C2JH	\$689	DS-3FMP	1.15	12.9	32	19.2/10.0-9.6	25
	1800	115/208-230	56H	D32CA2JH	\$638	DS-3FMP	1.15	12.9	32	19.2/10.0-9.6	24
	1800	115/208-230	56H	D32CM2JH	\$653	DS-3FMP	1.15	12.9	37	19.2/10.0-9.6	23
	1800	115/230	184	D32C2P18Z	\$955	DS-3SP	1.15	13.3	71	22.0/11.0	25
2	3600	115/208-230	145T	D2C1J14	\$714	DS-3SP	1.15	12.8	36	22.4/12.4-11.2	25
	3600	115/208-230	56H	D2C1JH	\$620	DS-3FMP	1.15	12.4	30	22.4/12.4-11.2	25
	3600	115/208-230	56H	D2CM1JH	\$689	DS-3FMP	1.15	12.9	32	22.4/12.4-11.2	23

Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase Open Dripproof (ODP) Rigid Base, Capacitor Start



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
2	1800	115/208-230	145T	D2C2J14	\$762	DS-3SP	1.15	13.8	42	20.0/11.3-10.0	25
	1800	115/208-230	145T	D2CA2J14	\$792	DS-3SP	1.15	14.3	42	20.0/11.3-10.0	24
	1800	115/208-230	145T	D2CM2J14	\$815	DS-3SP	1.15	14.3	42	20.0/11.3-10.0	23
	1800	115/208-230	56H	D2CA2JH	\$790	DS-3FMP	1.15	13.9	41	20.0/11.3-10.0	24
	1800	115/208-230	56H	D2CM2JH	\$815	DS-3FMP	1.15	13.9	42	20.0/11.3-10.0	23
	1800	115/230	182T	D2C2P18	\$728	DS-3SP	1.15	14.8	70	23.2/11.6	25
	1800	115/230	213	D2C2P21Z	\$1,212	DS-3SP	1.15	15.0	75	24.6/12.3	25
3	3600	115/230	182	D3C1P18	\$982	DS-3SP	1.15	17.3	81	32.0/16.0	25
	3600	208-230	56	D3CM1K	\$817	DS-3FMP	1.00	12.4	34	15.0-15.0	23
	1800	115/230	184T	D3C2P18	\$918	DS-3SP	1.15	15.8	76	38.0/19.0	25
5	3600	230	184T	D5C1K18	\$1,011	DS-3SP	1.15	18.0	82	19.6	25
	1800	230	184T	D5C2K18	\$1,389	DS-3SP	1.15	16.3	86	22.0	25
	1800	230	213T	D5C2K21	\$1,394	DS-3SP	1.15	19.1	86	22.0	25
	1800	230	215	D5C2K21Z	\$2,028	DS-3SP	1.15	19.1	86	22.0	25
7 1/2	3600	230	213T	D7C1K21	\$1,265	DS-3SP	1.15	19.1	129	30.3	25
	1800	230	215T	D7C2K21	\$1,596	DS-3SP	1.15	19.9	105	35.5	25
10	3600	230	215T	D10C1K21	\$2,287	DS-3SP	1.15	20.6	92	40.0	25
	1800	230	215T	D10C2K21	\$1,794	DS-3SP	1.15	19.9	153	42.2	25

General Purpose Single Phase Totally Enclosed Fan Cooled (TEFC) Split Phase



RIGID BASE

APPLICATIONS:

For commercial fans and blowers, tools, conveyors, pumps and general industrial equipment requiring moderate starting torque.

FEATURES:

- 40°C Ambient
- 60 Hertz
- Continuous Duty
- Class A or B Insulation
- Ball Bearing

Single Speed, Resilient Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/6	1800	115	48	T16B2N49	\$226	DS-3FMP	1.00	10.5	22	3.4	25
1/4	1800	115	48	T14B2N49	\$222	DS-3FMP	1.00	10.5	22	4.4	20,25
	1200	115/230	56	T14B3P9	\$360	DS-3FMP	1.00	9.8	14	6.7/3.35	20,25

Single Speed, Rigid Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	3600	115	48	T13B1N4	\$236	DS-3FMP	1.00	10.7	19	5.4	25,58

Note 20 Stud Extensions in 3 5/8" Square Pattern
 Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected
 Note 58 Footed

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase Open Dripproof (ODP) C-Face, Capacitor Start



APPLICATIONS:

For air compressors, commercial duty pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings - Locked Drive End Bearings
- 50/60 Hertz Motors Have 1.0 Service Factor on 50 Hertz
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- F1 Assembly
- Reversible Rotation

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	3600	115/208-230&110/220	56J	EU0332B	\$219	DS-CPMP	1.75	11.4	18	6.8/3.2-3.4	24,98
1/2	1800	115/208-230	56C	D12C2JC	\$454	DS-3FMP	1.25	10.9	32	9.0/4.3-4.5	25
	1800	115/208-230	56C	EC0504B	\$456	DS-3FMP	1.25	10.4	22	8.9/4.4-4.5	24
3/4	1800	115/208-230	56C	D34C2JC	\$554	DS-3FMP	1.25	11.4	32	11.4/5.7-5.7	25
1	1800	115/208-230	56C	EC1004B	\$615	DS-3FMP	1.15	11.6	31	15/7.7-7.5	24
1 1/2	3600	115/208/230	56HC	D32C1JHC	\$508	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	25
	3600	115/208-230	143TC	D32C1J14C	\$508	DS-3FMP	1.15	11.9	32	18.6/9.8-9.3	25
	1800	115/208-230	145TC	D32C2J14C	\$670	DS-3FMP	1.15	13.0	32	19.2/10.0-9.6	25
2	3600	115/208-230//110/220	56C	EC2002B	\$620	DS-3FMP	1.21	12.4	33	19.6/10.7-9.8	18,24,98
	1800	115/208-230	56HC	D2C2JHC	\$782	DS-3FMP	1.15	13.4	41	20.0/11.3-10.0	25

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/208-230	56C	D13C2JCR	\$339	DS-3FMP	1.35	10.4	20	6.4/3.2	25
1/2	3600	115/208-230//110/220	56J	EU0502	\$285	DS-3FMP	1.61	11.7	17	8.2/4.2-4.1	24,98
	1800	115/208-230	56C	EC0504	\$453	DS-3FMP	1.25	10.4	21	8.9/4.4-4.5	24
	1800	115/208-230	56C	D12C2JCR	\$398	DS-3FMP	1.25	10.9	20	9.0/4.3-4.5	25
3/4	3600	115/208-230//110/220	56C	EC0752	\$350	DS-3FMP	1.51	11.9	18	10.4/5.4-5.2	24,98
	1800	115/208-230	56C	D34CA2JCR	\$552	DS-3FMP	1.25	11.4	32	11.4/5.7-5.7	24
1	3600	115/208-230//110/220	56J	EU1002	\$409	DS-3FMP	1.41	12.7	23	12.8/6.7-6.4	24,98
	1800	115/208-230	56C	D1C2JCR	\$530	DS-3FMP	1.15	11.9	32	14.8/7.5-7.3	25
1 1/2	3600	115/208-230&110/220	56C	EC1502	\$490	DS-3FMP	1.31	12.4	33	18.2/9.2-9.1	24,98
	1800	115/208-230	56C	D32C2JCR	\$555	DS-3FMP	1.15	12.9	32	19.2/10.0-9.6	25
	1800	115/208-230	56C	D32CA2JCR	\$594	DS-3FMP	1.15	12.9	32	19.2/10.0-9.6	24
2	3600	115/208-230//110/220	56J	EU2002	\$619	DS-3FMP	1.21	12.9	32	19.6/10.7-9.8	18,24,98
	1800	115/208-230	56C	D2CA2JCR	\$831	DS-3FMP	1.15	13.4	32	20.0/11.3-10.0	24
3	3600	208-230	56C	EC3002	\$700	DS-3FMP	1.15	12.9	37	14.0-12.8	18,24

Note 18 Incorporates Run Capacitor

Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected

Note 98 50/60 Hertz



EXTREME E® represents our most efficient running, highest performing lines of motors.

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) Rigid Base



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- Capacitor Start, Induction Run
- F1 Assembly
- Reversible Rotation

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	48	T14CM2J4	\$397	DS-3FMP	1.15	10.3	22	6.6/2.9-3.3	23
	1800	115/208-230	56	T14CA2P	\$424	DS-3FMP	1.15	10.4	32	5.8/2.9	24
	1200	115/208-230	56	T14C3J	\$541	DS-3FMP	1.15	11.4	23	6.4/3.0-3.2	25
1/3	3600	115/208-230	48	T13C1J4	\$264	DS-3FMP	1.15	10.8	19	5.5/2.7-2.8	25
	1800	115/208-230	56	T13C2J	\$362	DS-3FMP	1.15	10.6	22	6.6/2.9-3.3	25
	1800	115/208-230	56	T13CM2J	\$386	DS-3FMP	1.15	10.7	22	6.6/3.0-3.3	23
	1200	115/208-230	56	T13C3J	\$523	DS-3FMP	1.15	11.4	32	6.8/3.4-3.4	25
1/2	3600	115/208-230	56	T12CM1J	\$324	DS-3FMP	1.15	11.6	19	8.0/3.8-4.0	23
	1800	100-120/200-240	56	6174	\$468	DS-3FMP	1.25	12.0	27	6.3-5.6/3.1-2.8	25
	1800	115/208-230	48	T12C2J4	\$415	DS-3FMP	1.15	11.3	22	9/4.3-4.5	25
	1800	115/208-230	56	T12C2J	\$422	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	25
	1800	115/208-230	56	T12CA2J	\$465	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	24
	1800	115/208-230	56	T12CM2J	\$474	DS-3FMP	1.15	11.4	28	9.0/4.3-4.5	23
	1200	115/208-230	56	T12C3J	\$742	DS-3FMP	1.15	12.4	37	10.4/5.1-5.2	25
3/4	3600	115/208-230	56	T34C1J	\$345	DS-3FMP	1.15	11.9	25	10.4/5.3-5.2	25
	3600	115/208-230	56	T34CA1J	\$425	DS-3FMP	1.15	11.9	32	10.4/5.3-5.2	24
	3600	115/208-230	56	T34CM1J	\$408	DS-3FMP	1.15	11.9	25	10.4/5.3-5.2	23
	1800	115/208-230	56	T34C2J	\$512	DS-3FMP	1.15	11.9	33	11.4/5.7-5.7	25
	1800	100-120/200-240	56	T34C2Z	\$556	DS-3FMP	1.15	11.9	32	9.2-8.4/4.6-4.2	25
	1800	115/208-230	56	T34CA2J	\$521	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	24
	1800	115/208-230	56	T34CM2J	\$535	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	23
	1200	115/208-230	56H	T34C3JH	\$932	DS-3FMP	1.15	13.4	39	10.6/5.4-5.3	25
1	3600	115/208-230	56	T1C1J	\$455	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	25
	3600	115/208-230	56	T1CA1J	\$498	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	24
	3600	115/208-230	56	T1CM1J	\$473	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	23
	1800	100-120/200-240	56	T1C2Z	\$641	DS-3FMP	1.15	13.4	32	11.0-9.2/5.5-4.7	25
	1800	115/208-230	143T	T1CA2J14	\$614	DS-3SP	1.15	12.8	32	14.0/6.9-7.0	24
	1800	115/208-230	143T	T1CM2J14	\$630	DS-3SP	1.15	12.8	32	14.0/6.9-7.0	23
	1800	115/208-230	56H	T1C2JH	\$554	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	56H	T1CA2JH	\$591	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	56H	T1CM2JH	\$577	DS-3FMP	1.15	12.4	40	14.0/6.9-7.0	23
	1800	115/230	182	T1C2P18Z	\$997	DS-3SP	1.00	14.1	72	13.8/6.9	25
	1800	115-208/230	143T	T1C2J14	\$576	DS-3SP	1.15	12.8	32	14.0/6.9-7.0	25
	1200	115/208-230	56H	T1C3JH	\$1,081	DS-3FMP	1.15	13.9	44	12.6/6.6-6.3	25
	1 1/2	3600	115/208-230	143T	T32C1J14	\$568	DS-3FMP	1.15	13.3	34	14.6/8.1-7.4
3600		115/208-230	56H	T32CM1JH	\$637	DS-3FMP	1.15	12.9	34	14.6/8.1-7.4	23
3600		115-208/230	56H	T32C1JH	\$568	DS-3FMP	1.15	12.9	32	14.6/8.1-7.4	25
1800		115/208-230	145T	T32C2J14	\$580	DS-3SP	1.15	14.3	41	14.4/8.0-7.2	25
1800		115/208-230	145T	T32CA2J14	\$619	DS-3SP	1.15	14.3	40	14.4/8.0-7.2	24
1800		115/208-230	56H	T32C2JH	\$633	DS-3FMP	1.15	13.9	30	14.4/8.0-7.2	25
1800		115/208-230	56H	T32CA2JH	\$646	DS-3FMP	1.15	13.9	41	14.4/8.0-7.2	24
1800		115/208-230	56H	T32CM2JH	\$650	DS-3FMP	1.15	13.9	28	14.4/8.0-7.2	23
1800		115/230	184	T32C2P18Z	\$1,083	DS-3SP	1.00	15.1	79	18.4/9.2	25

Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) Rigid Base



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
2	3600	115/208-230	145T	T2C1J14	\$744	DS-3FMP	1.15	13.8	41	19.5/10.8-9.7	25
	3600	115/208-230	145T	T2CM1J14	\$813	DS-3FMP	1.15	13.8	40	19.5/10.8-9.7	23
	3600	115/208-230	56H	T2C1JH	\$744	DS-3FMP	1.15	13.4	40	19.5/10.8-9.7	25
	3600	115/208-230	56H	T2CM1JH	\$813	DS-3FMP	1.15	13.4	39	19.5/10.8-9.7	23
	1800	115/208-230	145T	T2C2J14	\$838	DS-3SP	1.15	14.3	54	18.9/10.3-9.4	25
	1800	115/208-230	145T	T2CA2J14	\$877	DS-3SP	1.00	14.8	54	18.9/10.3-9.4	24
	1800	115/208-230	145T	T2CM2J14	\$901	DS-3SP	1.00	14.3	54	18.9/10.3-9.4	23
	1800	115/208-230	56H	T2C2JH	\$838	DS-3FMP	1.15	13.9	54	18.9/10.3-9.4	25
	1800	115/208-230	56H	T2CA2JH	\$877	DS-3FMP	1.00	14.4	54	18.9/10.3-9.4	24
	1800	115/208-230	56H	T2CM2JH	\$901	DS-3FMP	1.00	13.9	54	18.9/10.3-9.4	23
3	3600	115/230	182T	T2C2P18	\$818	DS-3SP	1.00	15.2	50	23.6/11.8	18,25
	3600	115/230	213	T2C2P21Z	\$1,336	DS-3SP	1.00	17.6	72	24.0/12.0	18,25
	1800	115/230	182T	T3C1P18	\$1,008	DS-3SP	1.00	16.6	83	32.0/16.0	18,25
	1800	115/230	184T	T3C2P18	\$954	DS-3SP	1.00	17.7	121	30.0/15.0	18,25
5	1800	115/230	215	T3C2P21	\$2,010	DS-3SP	1.00	19.6	83	33.6/16.8	18,25
	3600	230	184T	T5C1K18	\$1,363	DS-3SP	1.00	17.4	91	19.6	18,25
	1800	230	213T	T5C2K21	\$1,139	DS-3SP	1.00	19.6	121	23.0	18,25
7 1/2	1800	230	215	T5C2K21Z	\$2,301	DS-3SP	1.00	19.6	90	20.0	18,25
	3600	230	213T	T7C1K21	\$1,789	DS-3SP	1.00	20.0	92	30.3	18,25
1800	230	215T	T7C2K21	\$1,815	DS-3SP	1.00	22.0	90	30.0	18,25	

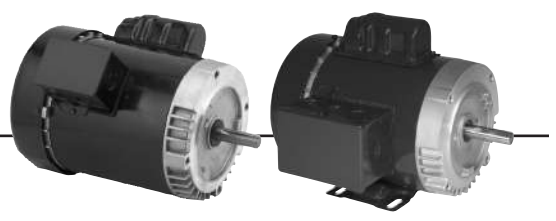
Note 18 Incorporates Run Capacitor
Note 23 Manual Reset Thermal Protector Overload

Note 24 Automatic Reset Thermal Protector Overload
Note 25 Non-protected

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General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) C-Face



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment.

FEATURES:

- Double Shielded Ball Bearings
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- Capacitor Start, Induction Run
- F1 Assembly
- Reversible Rotation
- 50/60 Hertz Motors Have 1.0 Service Factor on 50 Hertz

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	56C	T14C2JC	\$390	DS-3F	1.15	11.1	22	6.5/2.8-3.2	25
1/3	1800	115/208-230	56C	T13C2JC	\$380	DS-3F	1.15	11.0	19	6.6/3-3.3	25
1/2	3600	115/208-230&110/220	56C	EC03B	\$363	DS-3FMP	1.15	11.4	24	7.8/4.1-3.9	24,98
	1800	100-120/200-240	56C	6212	\$565	DS-3FMP	1.25	12.0	25	6.3-5.6/3.1-2.8	24
	1800	115/208-230	56C	T12C2JC	\$482	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	25
3/4	3600	115/208-230	56C	T34C1JC	\$417	DS-3FMP	1.15	11.9	32	10.4/5.3-5.2	25
1	3600	115/208-230&110/220	56C	EC09B	\$508	DS-3FMP	1.15	12.1	29	12.8/6.6-6.4	24,98
	1800	100-120/200-240	56C	T1CM2ZC	\$760	DS-3FMP	1.15	13.4	38	11.0-9.2/5.5-4.7	23
	1800	208-230/115	56C	EC10B	\$623	DS-3FMP	1.15	12.4	37	13.6/7.0-6.8	24
	1800	115/208-230	56HC	T1C2JHC	\$621	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
1 1/2	3600	115/208-230&110/220	56C	EC11B	\$650	DS-3FMP	1.15	12.6	36	16.6/9.0-8.3	24,98
	1800	115/208-230	56C	EC12B	\$729	DS-3FMP	1.15	12.4	38	14.0/7.7-7.0	24
	1800	115/208-230	56HC	T32C2JHC	\$736	DS-3FMP	1.15	13.9	41	14.4/8.0-7.2	25
2	3600	208-230&220	56C	EC13B	\$780	DS-3FMP	1.15	12.9	38	9.6-9.0	24
	1800	115/208-230	145TC	T2C2J14C	\$846	DS-3FMP	1.15	13.9	46	18.9/10.3-9.4	18,25
	1800	115/208-230	56HC	T2C2JHC	\$846	DS-3FMP	1.15	13.9	43	18.9/10.3-9.4	18,25

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230	56C	T14C2JCR	\$330	DS-3F	1.15	11.0	22	6.5/2.8-3.2	25
1/3	3600	115/208-230&110/220	56C	EC01	\$332	DS-3FMP	1.15	11.4	22	6.6/3.2-3.3	24,98
	1800	115/230	42CZ	T13C2P4ZCR	\$394	DS-3FMP	1.00	11.6	21	6.2/3.1	25
	1800	115/208-230	56C	T13CA2JCR	\$380	DS-3FMP	1.15	11.0	22	6.6/3.0-3.3	24
1/2	3600	115/208-230&110/220	56C	EC03	\$358	DS-3FMP	1.15	11.4	23	7.8/4.1-3.9	24,98
	1800	100-120/200-240	56C	T12C2ZCR	\$592	DS-3FMP	1.25	12.0	25	6.3-5.6/3.1-2.8	24,25
	1800	115/208-230	56C	T12C2JCR	\$439	DS-3FMP	1.15	12.4	32	9.0/4.3-4.5	25
	1800	115/208-230	56C	T12CA2JCR	\$496	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	24
	1800	115/208-230	56C	T12CM2JCR	\$462	DS-3FMP	1.15	11.4	32	9.0/4.3-4.5	23
	1200	115/208-230	56C	T12C3JCR	\$828	DS-3FMP	1.15	12.4	32	10.4/5.1-5.2	25
3/4	3600	115/208-230&110/220	56C	EC06	\$448	DS-3FMP	1.15	11.9	26	10.0/5.2-5.0	24,98
	1800	100-120/200-240	56C	T34C2ZCR	\$699	DS-3FMP	1.25	12.4	32	9.2-8.4/4.6-4.2	25
	1800	115/208-230	56C	T34C2JCR	\$527	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	25
	1800	115/208-230	56C	T34CA2JCR	\$582	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	24
	1800	115/208-230	56C	T34CM2JCR	\$551	DS-3FMP	1.15	11.9	32	11.4/5.7-5.7	23
	1200	115/208-230	56C	T34C3JCR	\$932	DS-3FMP	1.15	13.4	28	10.6/5.4-5.3	18,25

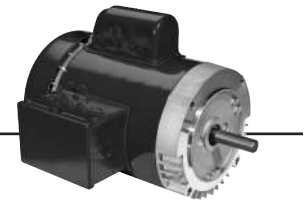
Note 18 Incorporates Run Capacitor
 Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected
 Note 98 50/60 Hertz

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase, Capacitor Start Totally Enclosed Fan Cooled (TEFC) C-Face



(continued)

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1	3600	115/208-230	56C	T1CA1JCR	\$524	DS-3FMP	1.15	12.4	32	13.6/6.9-6.8	24
	1800	100-120/200-240	56C	6219	\$713	DS-3FMP	1.15	12.5	40	11.0-9.2/5.5-4.7	25
	1800	115/208-230	143TC	T1C2J14CR	\$638	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	143TC	T1CA2J14CR	\$677	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	143TC	T1CM2J14CR	\$700	DS-3SP	1.15	12.4	32	14.0/6.9-7.0	23
	1800	115/208-230	56C	T1C2JCR	\$571	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	25
	1800	115/208-230	56C	T1CA2JCR	\$610	DS-3FMP	1.15	12.4	32	14.0/6.9-7.0	24
	1800	115/208-230	56C	T1CM2JCR	\$633	DS-3FMP	0.00	13.1	39	NULL	23
	1200	115/208-230	56C	T1C3JCR	\$1,011	DS-3FMP	1.15	13.9	44	12.6/6.6-6.3	25
1 1/2	3600	115/208-230	143TC	T32C1J14CR	\$637	DS-3SP	1.15	12.9	32	14.6/8.1-7.4	25
	3600	115/208-230	56C	T32CA1JCR	\$637	DS-3FMP	1.15	12.9	32	14.6/8.1-7.4	24
	1800	115/208-230	145TC	T32C2J14CR	\$723	DS-3SP	1.15	13.1	47	14.4/8.0-7.2	25
	1800	115/208-230	145TC	T32CA2J14CR	\$762	DS-3SP	1.15	13.9	47	14.4/8.0-7.2	24
	1800	115/208-230	145TC	T32CM2J14CR	\$786	DS-3SP	1.15	13.9	47	14.4/8.0-7.2	23
	1800	115/208-230	56C	T32C2JCR	\$650	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	25
	1800	115/208-230	56C	T32CA2JCR	\$689	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	24
	1800	115/208-230	56C	T32CM2JCR	\$712	DS-3FMP	1.15	13.9	31	14.4/8.0-7.2	23
2	3600	115/208-230	145C	T2C1J14CR	\$813	DS-3SP	1.15	12.9	34	19.5/10.8-9.7	25
	3600	208-230&220	56C	EC13	\$815	DS-3FMP	1.15	12.9	37	9.6-9.0	24
	1800	115/208-230	145TC	T2C2J14CR	\$969	DS-3SP	1.15	13.9	46	18.9/10.3-9.4	25
	1800	115/208-230	145TC	T2CA2J14CR	\$1,008	DS-3SP	1.00	14.4	40	18.9/10.3-9.4	24
	1800	115/208-230	145TC	T2CM2J14CR	\$1,031	DS-3SP	1.00	13.9	40	18.9/10.3-9.4	23
	1800	115/208-230	56C	T2C2JCR	\$739	DS-3FMP	1.15	13.9	31	18.9/10.3-9.4	25
	1800	115/208-230	56C	T2CA2JCR	\$778	DS-3FMP	1.00	14.4	31	18.9/10.3-9.4	24
	1800	115/208-230	56C	T2CM2JCR	\$801	DS-3FMP	1.00	13.9	31	18.9/10.3-9.4	23

Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected

† All marks shown within this document are properties of their respective owners.



General Purpose Single Phase, Div.1 Hazardous Location Class I (Group C&D), Class II (Group E, F, & G)



APPLICATIONS:

For use on air compressors, pumps, conveyors, blowers and general industrial equipment located in hazardous areas.

FEATURES:

- UL[®] Listed & CSA[®] Certified
- Temperature Code T3C
- Class B Insulation
- Continuous Duty
- Totally Enclosed Fan Cooled Except Where Noted
- 40°C Ambient Rated
- F1 Assembly

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230&110/220	56	XS14CA2J	\$482	DS-3FMP	1.00	12.5	32	5.1/2.5-2.5&5.6/2.8	24
	1200	115/230	56	XS14CA3P	\$706	DS-3FMP	1.00	13.0	32	6.8/3.4	24
1/3	3600	115/208-230	56	XS13CA1J	\$560	DS-3FMP	1.00	13.2	29	8.0/3.6-4.0	24
	1800	115/208-230	56	XS13CA2J	\$512	DS-3FMP	1.00	12.7	32	6.8/3.3-3.4	24
	1200	115/230	56	XS13CA3P	\$912	DS-3FMP	1.00	12.7	32	7.2/3.6	24
1/2	3600	115/208-230	56	XS12CA1J	\$608	DS-3FMP	1.00	13.2	29	8.8/4.1-4.4	24
	1800	115/208-230	56	XS12CA2J	\$563	DS-3FMP	1.00	13.2	32	9.8/4.9-4.9	24
	1200	115/230	56H	XS12CA3P	\$1,053	DS-3FMP	1.00	14.2	32	10.0/5.0	24
3/4	3600	115/208-230	56	XS34CA1J	\$686	DS-3FMP	1.00	13.2	32	10.4/5.3-5.2	24
	1800	115/208-230	56	XS34CA2J	\$630	DS-3FMP	1.00	13.7	32	12.6/6.3-6.3	24
1	3600	115/208-230	56	XS1CA1J	\$608	DS-3FMP	1.00	14.2	41	12.0/6.3-6.0	24
	1800	115/208-230	56H	XS1CA2JH	\$714	DS-3FMP	1.00	14.2	32	14.0/6.9-7.0	24

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/208-230&110/220	56C	XS14CA2JCR	\$482	DS-3FMP	1.00	11.9	32	5.1/2.5-2.5&5.6/2.8	24
1/3	3600	115/208-230	56C	XS13CA1JCR	\$614	DS-3FMP	1.00	13.3	29	8.0/3.6-4.0	24
	1800	115/208-230	56C	XS13CA2JCR	\$537	DS-3FMP	1.00	12.8	32	6.8/3.3-3.4	24
1/2	3600	115/208-230	56C	XS12CA1JCR	\$681	DS-3FMP	1.00	13.3	29	8.8/4.1-4.4	24
	1800	115/208-230	56C	XS12CA2JCR	\$563	DS-3FMP	1.00	13.8	32	9.8/4.9-4.9	24
3/4	3600	115/208-230	56C	XS34CA1JCR	\$728	DS-3FMP	1.00	13.3	32	10.4/5.3-5.2	24
	1800	115/208-230	56C	XS34CA2JCR	\$630	DS-3FMP	1.00	14.3	32	12.6/6.3-6.3	24
1	3600	115/208-230	56C	XS1CA1JCR	\$784	DS-3FMP	1.00	14.3	42	12.0/6.3-6.0	24
	1800	115/208-230	56C	XS1CA2JCR	\$675	DS-3FMP	1.00	14.8	44	14.0/6.9-7.0	24

Note 24 Automatic Reset Thermal Protector Overload

† All marks shown within this document are properties of their respective owners.



Painted Washdown Single Phase, Totally Enclosed, C-Face



The Slicker™

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation
- BISSC^{®†} Certified, Smooth Design For Easy Cleaning
- USDA^{®†} Approved Non-Toxic White Epoxy Paint
- V-Ring Rotating Lip Seal On Shaft End
- F1 Assembly Position
- Double Contact Sealed Ball Bearings
- Reversible Rotation
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Stationary Grease Seal On Both Ends
- 303 Stainless Steel Shaft
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-type Drains
- Automatic Reset Thermal Overload Protector on Yoke Mount Fan Motors

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/208-230	56C	WD12C1JC	\$523	DS-3SP	1.15	11.8	32	7.3/3.9-3.7	28
	1800	115/208-230	56C	WD12C2JC	\$537	DS-3SP	1.15	12.8	26	9.5/4.6-4.8	25
3/4	3600	115/208-230	56C	WD34C1JC	\$538	DS-3SP	1.15	12.3	30	9.7/5.3-4.9	28
	1800	115/208-230	56C	WD34C2JC	\$611	DS-3SP	1.15	13.3	32	12.8/6.4-6.5	
1	3600	115/208-230	56C	WD1C1JC	\$583	DS-3SP	1.15	13.3	32	13.6/6.9-6.8	
	1800	115/208-230	56HC	WD1C2JHC	\$702	DS-3SP	1.15	13.8	28	15.4/7.8-7.6	
1 1/2	3600	115/208-230	56HC	WD32C1JHC	\$768	DS-3SP	1.15	13.8	28	14.6/8.1-7.4	
	1800	115/208-230	56HC	WD32C2JHC	\$896	DS-3SP	1.15	15.3	32	14.4/8.0-7.2	CSCR
2	1800	115/230	56HC	WD2C2PHC	\$1,052	DS-3SP	1.15	15.3	48	19.6/9.8	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/208-230	56C	WD12C1JCR	\$576	DS-3SP	1.15	11.8	32	7.3/3.9-3.7	28
	1800	115/208-230	56C	WD12C2JCR	\$663	DS-3SP	1.15	12.8	32	8.8/4.3-4.4	28
3/4	1800	115/208-230	56C	WD34C2JCR	\$748	DS-3SP	1.15	13.8	41	7.8/4.3-3.9	CSCR,28
1	3600	115/208-230	56C	WD1C1JCR	\$672	DS-3SP	1.15	13.8	34	9.9/5.8-5.3	CSCR,28
	1800	115/208-230	56C	WD1C2JCR	\$848	DS-3SP	1.00	14.3	24	10.3/5.5-5.2	CSCR
2	1800	115/230	56C	WD2C2JCR	\$1,059	DS-3SP	1.15	15.3	48	19.6/9.8	CSCR

Permanent Split Capacitor, Yoke Mount, Non-Oscillating Totally Enclosed Air Over (TEAO) Fan Motors

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/230	56YZ	WD14AA2PZ7	\$426	DS-3FMP	1.00	10.9	19	3.5/1.7	24
1/3	1800	115/230	56YZ	WD13AA2PZ7	\$448	DS-3FMP	1.00	10.9	16	4.9/2.5	24
1/2	1800	115/230	56YZ	WD12AA2PZ7	\$481	DS-3FMP	1.00	11.9	32	5.9/2.9	24

Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected
 Note 28 TENV Enclosure
 Note CSCR Capacitor Start /Capacitor Run

† All marks shown within this document are properties of their respective owners.



Heating & Air Conditioning

For use in condensing units, furnaces, evaporative coolers, commercial package equipment and conditioned air systems.



Horsepower: 1/10 – 2 HP

Phase: Single and Three Phase

RPM: 825, 1075, 1625 or 3450 RPM

Voltage: 115, 208-230, 460 or 575 Volts, 60 Hz; some motors are rated 50/60 Hz

Efficiency: Standard and Premium

Enclosure:

- Open Dripproof (ODP)
- Totally Enclosed, Air Over (TEAO)

Mounting: Extended Stud or Resilient Rings. Also many have mounting hardware or shell holes. Other hardware available in accessory section.

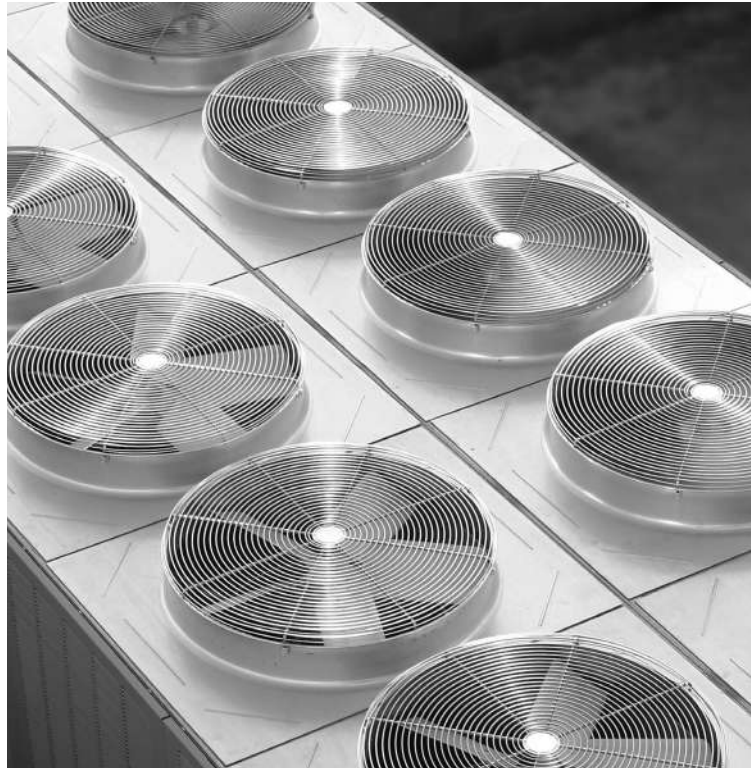
Bearings: Self Aligning or Ball available

Lubrication: Permanent on most units

Temp Rise: Class A or B as noted

Thermal Overload: Internal automatic thermal overloads unless otherwise noted

Agency: UL^{®†} Recognized and CSA^{®†} Certified



RESCUE EcoTech[®]
see page 154

- ECM blower upgrade for PSC applications
- Up to 82% efficient
- Quick and easy installation



RESCUE[®] see page 156

- THE ULTIMATE TRUCK STOCK MOTOR™
- Multi-horsepower rated
- 3.3", 5" and 5.6" diameter designs

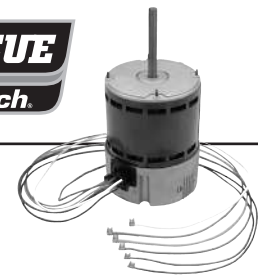


MOJAVE[®] see page 163

- MOJAVE[®] 70° High Ambient Design
- Totally Enclosed, Air Over Design for all angle mounting

† All marks shown within this document are properties of their respective owners.

RESCUE EcoTech® High Efficiency Direct Drive Blower Motor



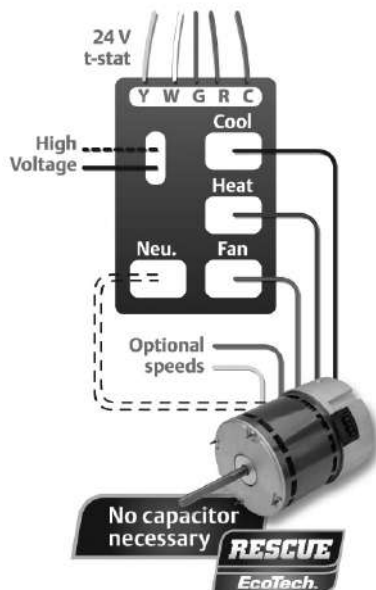
APPLICATIONS:

Drop-in replacement for PSC Direct Drive Commercial and Residential Air Handlers and Furnaces.

FEATURES:

- Electronically Controlled Brushless Permanent Magnet Motor
- 40°C Ambient Rated
- Reversible Rotation
- 48 Frame (5.6" Diameter)
- No Capacitor Required
- 2 Year Warranty
- Electronically Protected Motor
- Continuous Duty, Air Over
- Ball Bearing
- Class B Insulation
- 36" Leads
- **Discount Symbol DS-3HAC**

HP	RPM	Voltage	Catalog Number	List	Recommended Cooling Speed	Recommended Heating Speed	Shaft Dia. x Length	Shell Length	Total Length	Ship Wt. (lbs)
1/3 / 1/4	1075	115	5520ET	\$505	High (Blk)	Med-Hi (Bl)	.50 x 4	5.75	9.8	12.8
	1075	230	5521ET	\$505	High (Blk)	Med-Hi (Bl)	.50 x 4	5.75	10.2	12.8
1/3 / 1/5	1075	115/208-230	5522ET	\$525	High (Blk)	Med-Hi (Bl)	.50 x 4.5	5.75	10.2	13.1
1/2	1075	230	5531ET	\$536	High (Blk)	Med-Hi (Bl)	.50 x 4	5.75	10.2	27
1/2 / 1/4	1075	115/208-230	5532ET	\$558	High (Blk)	Med-Hi (Bl)	.50 x 4.5	5.75	10.2	13.3
3/4	1075	115	5540ET	\$595	High (Blk)	Med-Hi (Bl)	.50 x 4	6.75	10.8	12.8
	1075	230	5541ET	\$595	High (Blk)	Med-Hi (Bl)	.50 x 4	6.75	11.2	12.8
3/4 / 1/3	1075	115/208-230	5542ET	\$619	High (Blk)	Med-Hi (Bl)	.50 x 4.5	6.75	11.2	19.3
1	1075	230	5551ET	\$634	High (Blk)	Med-Hi (Bl)	.50 x 4	7.25	11.7	27
1 / 1/2	1075	115/208-230	5552ET	\$634	High (Blk)	Med-Hi (Bl)	.50 x 4.5	7.25	11.7	19.4



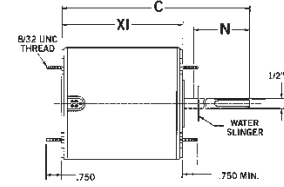
For illustration purposes only.
Actual connections may vary.

- **Up to 82% Efficient** – provides a 29% increase in peak efficiency compared to a conventional PSC blower motors.
- **Exclusive Speed-sensing technology** – allows the RESCUE ECOTECH® motor to connect just like a traditional PSC motor.
- **Fits a Wide Variety of Applications** – Will work in both air handlers and furnaces and accepts several mounting methods, including flex mounts.
- **Wide Speed Range** – Five available speeds insure contractors are able to easily meet the system's airflow needs while a low 600 RPM fan speed provides quiet, efficient air circulation.
- **Active Airflow Management** – The RESCUE ECOTECH® motor's advanced electronic control allows the motor to react to changes in the system, helping to maintain airflow as static pressures change.

† All marks shown within this document are properties of their respective owners.



RESCUE® Motors Permanent Split Capacitor Condenser Fan 5.6" Diameter, Totally Enclosed, Air Over (TEAO)



RESCUE® Condenser Motors
available in 158°F (70°C)
ambient ratings!

APPLICATIONS:

Commercial and Residential Condensing Units. Can replace a range of horsepower applications and a variety of mounting styles.

FEATURES:

- High 158°F (70°C) Or 140°C (60°C) Ambient Designs
- Automatic Reset Thermal Overload Protector
- Suitable for Use With 370V Capacitors
- Special Treated Rotor For Corrosion Protection
- Includes Lead End Mounting Holes For Rheem®† or Trane®† Units
- 48" Leads
- Extended Mounting Studs
- Ball Bearings
- Reversible Rotation
- High Efficiency Design
- Continuous Duty, Air Over
- Discount Symbol DS-3HAC

HP	RPM	Voltage	Catalog Number	List	Max. Ambient	Speed Tap	Cap. MFD @ 208V	Cap. MFD @ 230V	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/3	825	208/230	5464	\$182	140°F (60°C)	High	10	7.5	1.9	5	5.3	10.3	18	H43
1/4						High	10	7.5	1.5					
1/5						Low	10	7.5	1.2					
1/6						Low	10	7.5	1.0					
1/3	825	208-230	5464H	\$186	158°C (70°C)	High	10	7.5	1.9	5	5.3	10.3	18	H43
1/4						High	10	7.5	1.5					
1/5						Low	10	7.5	1.2					
1/6						Low	10	7.5	1.0					
1/3	1075	208/230	5462	\$140	140°F (60°C)	High	7.5	5	2.6	5	4.6	9.6	15	H43
1/4						High	7.5	5	2.5					
1/5						Low	7.5	5	2.0					
1/6						Low	7.5	5	1.8					
1/3	1075	208-230	5462H	\$153	158°C (70°C)	High	7.5	5	2.6	5	4.6	9.6	18.10	H43
1/4						High	7.5	5	2.5					
1/5						Low	7.5	5	2.0					
1/6						Low	7.5	5	1.8					
1/2	1075	208-230	5465	\$177	140°F (60°C)	High	12.5	10	3.0	5	5.3	10.3	19	H43
1/3						High	12.5	10	2.2					
1/4						Low	12.5	10	1.6					
1/5						Low	12.5	10	1.3					
1/2	1075	208-230	5465H	\$190	158°C (70°C)	High	12.5	10	3.0	5	5.3	10.6	14	H43
1/3						High	12.5	10	2.2					
1/4						Low	12.5	10	1.6					
1/5						Low	12.5	10	1.3					
3/4	1075	208-230	5482H	\$205	158°C (70°C)	High	15	15	4	5	6.3	11.9	14	H43
1/2						High	15	15	2.8					
1/3						Low	15	15	1.9					
1/4						Low	15	15	1.4					

460 Volt RESCUE® Condenser Fan Motors

HP	RPM	Voltage	Catalog Number	List	Max. Ambient	Speed Tap	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/2	1075	460	5480H	\$240	158°C (70°C)	High	10	1.3	5	5.6	11.1	19	H43
1/3						High	10	0.9					
1/4						Low	10	0.7					
1/5						Low	10	0.5					
1/6						Low	10	0.5					
3/4	1075	460	5481H	\$260	158°C (70°C)	High	15	2.2	5	6.3	11.9	22.38	H43
1/2						High	15	1.3					
1/3						Low	15	1.1					
1/4						Low	15	0.7					

Note H43 Side Shell & Lead End Mounting Screws Included In Carton

† All marks shown within this document are properties of their respective owners.



HURST
MOTORS AND
GEARING

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

RESCUE® Motors Permanent Split Capacitor Direct Drive Fan & Blower, 5.6" Diameter, Open, Air Over

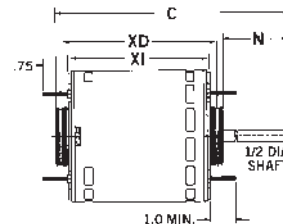


APPLICATIONS:

Commercial and Residential Air Handlers and Furnaces. Can replace a range of horsepower applications and a variety of mounting styles.

FEATURES:

- Extended Mounting Studs
- Suitable for Use With 370V Capacitors
- Class B Insulation
- 36" Leads
- High Efficiency Design
- Includes Side Shell Holes For Rheem®† Units
- Continuous Duty, Air Over
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- 2.5" Diameter Hub Rings Included
- **Discount Symbol DS-3HAC**



HP	RPM	Voltage	Catalog Number	List	Cool Speed Tap	Heat Speed	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt.	Notes
1/3	825	208-230	5469	\$218	Med-Hi	High	SAB	7.5	2.4	2.2		4.6	6.7	17	H40
1/4					Med-Low	Med-Hi		7.5	1.7						
1/8					Low	Med-Low		7.5	0.9						
1/2	1075	115	5460	\$148	High	Med-Hi	SAB	12.5	7.3	5.0	5.4	4.8	9.8	19.74	H23,H40
1/3					High	Med-Low		7.5	6.9						
1/4					Med-Hi	Med-Low		7.5	5.5						
1/5					Med-Low	Low		7.5	3.6						
1/6					Low	Low		7.5	2.8						
1/2	1075	208-230	5461	\$151	High	Med-Hi	SAB	10	3.6	5.0	5.4	4.8	9.8	14.58	H23,H40
1/3					High	Med-Low		5	6.9						
1/4					Med-Hi	Med-Low		5	5.5						
1/5					Med-Low	Low		5	3.6						
1/6					Low	Low		5	2.8						
3/4	1075	115	5470	\$177	High	Med-Hi	Ball	20	8.1	5.0	6.6	6.1	11.6	18.13	H40
1/2					High	Med-Low		10	6.6						
1/3					Med-Hi	Med-Low		10	4.6						
1/4					Med-Low	Low		10	3.8						
1/5					Low	Low		10	3.1						
3/4	1075	208-230	5471	\$181	High	Med-Hi	Ball	20	4.1	5.0	6.6	6.1	11.6	16	H40
1/2					High	Med-Low		10	3.7						
1/3					Med-Hi	Med-Low		10	2.5						
1/4					Med-Low	Low		10	1.8						
1/5					Low	Low		10	1.7						

Note H23 For 1/3 To 1/6 HP, if more air flow is needed, a 7.5 MFD capacitor may be used
 Note H40 Screws For Shell Mounting Included In Carton

† All marks shown within this document are properties of their respective owners.



Shaded Pole Unit Bearing Totally Enclosed

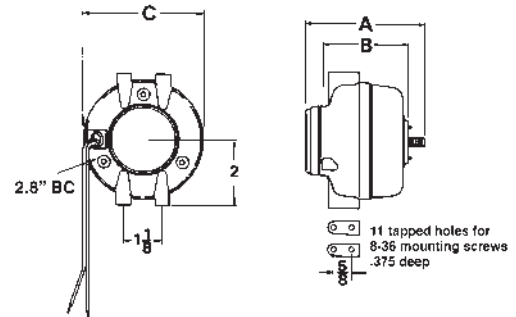


APPLICATIONS:

Evaporator or condenser fan motors to meet manufacturer's requirements for refrigerated display cases and vending machines.

FEATURES:

- Permanently Lubricated Bearings
- Individually Boxed
- Impedance Protected
- 6W & Under Are 60/50 Hertz Rated
- Suitable For All Angle Operation
- 24" Cord With Molded Strain Relief
- Cast Iron Housing
- Includes Vibration Dampener Hub Washer, Speed Nut, 4 Mounting Screws (2 to 35 watt)
- **Discount Symbol: DS-3HAC**

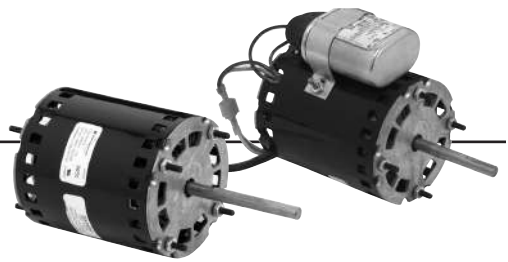


HP	RPM	Voltage	Catalog Number	List	Amps	Shaft Rotation	Total A	Total B	Dia. C	Shaft Dia. & Length	Ship Wt. (lbs)	Industry Number
2.5 W	1550	115	2102	\$46	0.3	CWLE	3.8	3.4	3.6	1/4 x 20THD x 0.5	3	5111
4 W	1550	115	2115	\$49	0.3	CWLE	3.8	3.4	3.6	1/4 x 20THD x 0.5	3	5211
	1550	115	2103	\$49	0.3	CCWLE	3.8	3.4	3.6	1/4 x 20THD x 0.5	3	5212
	1550	230	2122	\$50	0.2	CCWLE	3.8	3.4	3.6	1/4 x 20THD x 0.5	3	5222
	1550	208-277	2123	\$71	0.2	CWLE	3.8	3.4	3.6	1/4 x 20THD x 0.5	3	5221
5 W	1550	115	2119	\$67	0.6	CWLE	3.8	3.4	3.6	1/4 x 20THD x 0.5	9	PP7577M, D582
	1550	115	2120	\$67	0.6	CCWLE	3.8	3.4	3.6	1/4 x 20THD x 0.5	3	D583
6 W	1550	115	2116	\$50	0.4	CCWLE	4.3	3.8	3.6	1/4 x 20THD x 0.5	3	5312
	1550	115	2117	\$50	0.4	CWLE	4.3	3.8	3.6	1/4 x 20THD x 0.5	3	5311
9 W	1550	115	2118	\$51	0.6	CCWLE	4.3	3.8	3.6	1/4 x 20THD x 0.5	4	5412
	1550	115	2108	\$51	0.6	CWLE	4.3	3.8	3.6	1/4 x 20THD x 0.5	3	5411
	1550	230	2109	\$56	0.3	CCWLE	4.3	3.8	3.6	1/4 x 20THD x 0.5	3	5422
	1550	230	2110	\$56	0.3	CWLE	4.3	3.8	3.6	1/4 x 20THD x 0.5	5	5421
16 W	1550	115	2111	\$71	1	CCWLE	4.5	4.1	3.6	1/4 x 20THD x 0.5	4	5812
	1550	230	2114	\$72	0.5	CWLE	4.5	4.1	3.6	1/4 x 20THD x 0.5	5	5821
	1550	230	2113	\$72	0.5	CCWLE	4.5	4.1	3.6	1/4 x 20THD x 0.5	5	5822
	1550	115	2112	\$71	1	CWLE	4.5	4.1	3.6	1/4 x 20THD x 0.5	4	5811
25 W	1550	115	2124	\$158	1.1	CCWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL25EMR1
	1550	115	2125	\$158	1.1	CWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL25EM1
	1550	230	2126	\$163	0.6	CWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL25EM2
	1550	230	2127	\$163	0.6	CCWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL25EMR2
35 W	1550	115	2128	\$158	1.4	CCWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL35EMR1
	1550	115	2129	\$158	1.4	CWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL35EM1
	1550	230	2130	\$163	0.7	CCWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL35EMR2
	1550	230	2131	\$163	0.7	CWLE	4.5	4	3.9	1/4 x 20THD x 0.5	5	ESPL35EM2
50 W	1550	115	2132	\$182	1.7	CCWLE	6.2	4.7	4	.375 x 1.5	6	ESPOL50EMR1
	1550	115	2133	\$176	1.7	CWLE	7.2	5.7	4	.375 x 1.5	6	ESPOL50EM1
	1550	230	2134	\$182	0.9	CCWLE	8.2	6.7	4	.375 x 1.5	6	ESPOL50EMR2
	1550	230	2135	\$182	0.9	CWLE	9.2	7.7	4	.375 x 1.5	7	ESPOL50EM2

† All marks shown within this document are properties of their respective owners.



Shaded Pole and PSC Direct Drive Fan 3.3" Diameter, Open and Totally Enclosed Designs

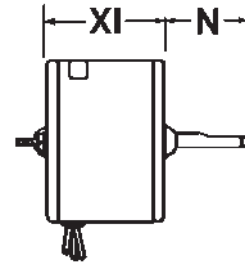


APPLICATIONS:

To meet manufacturer's requirements for fans and blowers.

FEATURES:

- Four 8-32 x 3/4" Stud Extensions At Each End
- Ball Bearings Have All Angle Thrust System
- Automatic Reset Thermal Overload Protector
- Dual Studs
- PSC Design With Capacitor Included
- 12" Leads
- **Discount Symbol: DS-3HAC**



Open Air Over

HP	RPM	Voltage	Catalog Number	List	Enclosures	Rotation Shaft End	Amps	Shell Length	Shaft Dia. x Length *	Ship Wt. (lbs)	Notes
1/40	1550	115	3803	\$69	OAO	CW	2.0	3.40	0.25 x 2.00	5	
1/20	1550	115	9632	\$65	OAO	Rev	0.9	3.3	0.31 x 2.38	3	H38
1/12-1/20	1550	115/230	9664	\$111	OAO	Rev	1.3/0.7	4.2	0.31 x 2.5	5	H38
1/10	1550	115	9657	\$176	OAO	Rev	1.00	4.5	0.31 x 3.75	6	H28,H38

Totally Enclosed, Air Over

HP	RPM	Voltage	Catalog Number	List	Enclosures	Rotation Shaft End	Amps	Shell Length	Shaft Dia. x Length *	Ship Wt. (lbs)	Notes
1/50	1550	115	9624	\$63	TEAO	Rev	0.70	2.46	0.25 x 2.50	3	H38
	1550	115	9641	\$68	TEAO	Rev	0.50	3.1	0.25 x 2.25	5	H38
	1550	115	9642	\$68	TEAO	CW	0.70	2.5	0.25 x 2.25	2	
1/30	1550	115	9628	\$64	TEAO	Rev	1.20	3.00	0.31 x 2.50	3	

OEM Direct Replacements

HP	RPM	Voltage	Catalog Number	List	Enclosures	Rotation Shaft End	Amps	Shell Length	Shaft Dia. x Length *	Ship Wt. (lbs)	Notes	OEM
1/20	1550	115	9662	\$115	OAO	CCW/Rev	0.85	3.3	0.31 x 3.0	4	86,H30	BO
	1550	208-230	9648	\$80	OAO	CW	0.4	3.3	0.31 x 2.25	3	H38	FE
	1550	115/230	9654	\$120	TEAO	CW	0.8/0.4	3.4	0.31 x 1.63	4	86,H31	KR
1/15	1550	208-230	9656	\$112	OAO	CCW/Rev	0.48	4.2	0.31 x 2.56	5	86,H30	BO

BO = Bohn^{®†} FE = Fedders^{®†} KR = Krack^{®†}

* As Measured From Motor Face

Note 86 PSC with Capacitor
Note H28 Includes Hex Mounting Hub Both Ends

Note H30 Includes Special Cord And Plug
Note H31 Includes Special Mounting Lugs, No Threaded Studs
Note H38 PSC, Capacitor included and attached

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Condenser Fan 5.0" Diameter, Totally Enclosed Air Over (TEAO)



APPLICATIONS:

Residential condensing unit fan motor.

FEATURES:

- 42" Leads
- Shaft Down Mount
- #8-32 Studs
 - Fig A: 4.312" Diameter Bolt Circle
 - Fig B: 4.464" Diameter Bolt Circle
- Suitable For Use with 370V Capacitor
- 1/2" Diameter Shaft with Flat
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- **Discount Symbol DS-3HAC**

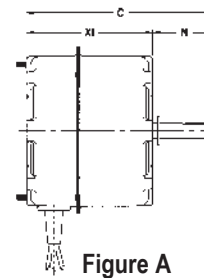


Figure A

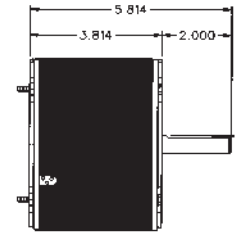


Figure B

"Clam Shell" Single Speed, Stud Mount, Without Capacitor (Fig A) 4.312" Bolt Circle

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/10	1075	208-230	2243	\$124	SAB	5.0	0.75	2.7	4.1	6.8	9		
1/8	1075	208-230	2249	\$126	SAB	5.0	0.90	2.7	4.1	6.8	10		
1/5	1075	208-230	2246	\$127	SAB	5.0	1.60	2.7	4.1	6.8	10		
1/4	1075	208-230	2250	\$128	SAB	7.5	1.70	2.7	4.1	6.8	10		

5.0" Single Speed, Stud Mount, Without Capacitor (Fig B) 4.464" Bolt Circle

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/20	1550	230	1989P	\$201	SAB	3.0	1.3	2.5	3.8	6.3	8	H35,H42	CO
1/8	1550	208-230	1176	\$291	Ball	5.0	1.1	2.8	3.7	6.4	7	H36	BO
1/6	1075	208-230	1901	\$178	SAB	5.0	1.0	2.0	3.8	5.8	11		LE

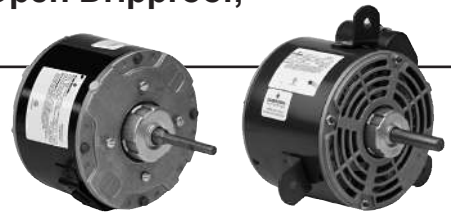
BO = Bohn[†] CO = Copeland[†] LE = Lennox[†]

Note H35 Open Air Over
 Note H36 Open Dripproof
 Note H42 Shaft Down

[†] All marks shown within this document are properties of their respective owners.



Refrigeration Condenser Fan 5.0" and 5.6" Diameter Open Dripproof, Totally Enclosed, Air Over and Open Air Over



APPLICATIONS:

Condenser cooling fan motors to meet manufacturer's requirements for commercial refrigeration units.

FEATURES:

- OEM Direct Replacements
- Single Speed
- Automatic Reset Thermal Overload Protector
- Suitable for use with 370V Capacitors
- **Discount Symbol: DS- 3HAC**

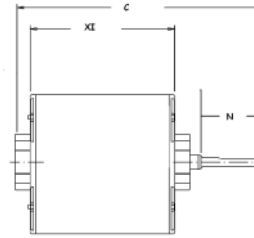


Figure A

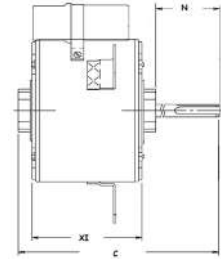


Figure B

5.0" Diameter, 3/8" Diameter Shaft

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Mount	Ship Wt. (lbs)	Notes	OEM
1/20	1300	230	1775P	\$148	SAB	-	0.5	2.0	3.8	6.9	Hub Ring	7	98	TE
1/15	1300	230	1779P	\$154	SAB	-	0.62	2.0	3.8	6.9	Hub Ring	8	98	TE

5.6" Permanent Split Capacitor

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Mount	Ship Wt. (lbs)	Notes	OEM
1/6	1550	208-230	6128	\$263	SAB	3.0	1.1	2.3	3.6	7.2	Resilient	17	64,H36	CO
	1550	208-230	1645	\$263	Ball	3.0	1.4	2.1	3.8	6.4	Stud	12	H35	HU
1/5	1075	208-230	1648	\$244	Ball	4.0	2.0	2.5	4.3	7.8	Stud	13	H35	HU
1/4	1550	230	6124	\$242	SAB	5.0	2.1	3.0	4.1	7.1	Band	13	64,H36	CO
	1625	208-230	6129	\$273	SAB	5.0	1.5	2.3	4.3	7.6	Resilient	17	64,H36	CO
	1625	230	3042	\$239	Ball	4.0	1.4	1.5	5.1	7.7	Hub Ring	12	64,H4,H36	TY
	1350	230	8330	\$241	SAB	4.0	1.9	2.2	4.3	7.7	3 Lugs	12	64,98,H36,H42	TE
	1625	380/420/460	8331	\$257	SAB	4.0	0.95	2.2	4.3	7.7	3 Lugs	12	64,98,H36,H42	TE
1/3	1625	208-230	6127	\$264	SAB	4.0	2.2	1.75	5.8	8.7	Resilient	17	64,H45	CO
	1625	208-230	7232	\$173	SAB	6.0	2.9	3.7	4.6	9.6	Hub Ring	16	64,H35	HR
1/2	1725	208/230	644	\$250	Ball	5.0	2.7	3.5	5.1	8.6	Stud	15	H18,H36	HU

CO = Copeland^{®†} HU = Hussmann^{®†} HR = Hill Refrigeration^{®†} TE = Tecumseh^{®†} TY = Tyler^{®†}

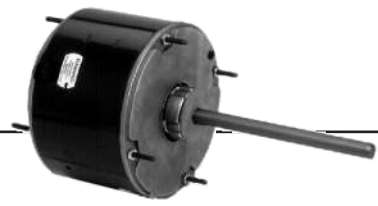
Note 64 Capacitor Included
 Note 98 50/60 Hertz
 Note H4 2-1/4" Hub Rings
 Note H18 Conduit Box

Note H35 Open Air Over
 Note H36 Open Dripproof
 Note H42 Shaft Down
 Note H45 Totally Enclosed Air Over

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Condenser Fan 5.6" Diameter, Totally Enclosed Air Over (TEAO)

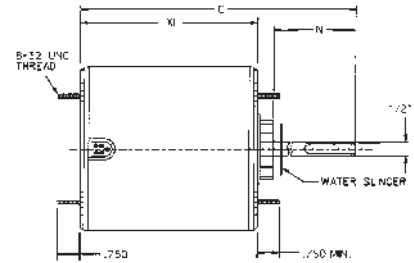


APPLICATIONS:

Residential and commercial condenser unit fan motors to meet manufacturer's requirements.

FEATURES:

- 140°F (60°C) Ambient Design
- Sleeve Bearings Have All Angle Thrust System
- Class B Insulation
- Suitable for Use With 370V Capacitors
- Extended Studs
- 30" Leads
- Hubless Lead End
- Drain Holes Both Ends
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Continuous Duty
- **Discount Symbol: DS-3HAC**



Stud Mount, Without Capacitor, High Ambient (60°C) Design, All Angle Mount

HP	RPM/Spds	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/12	1100	208-230	*3401	\$151	Sleeve	5.0	0.7	1.6	4.1	5.7	9		CA
1/10	825	208-230	1871	\$149	Sleeve	3.0	1.0	6.0	3.8	10.4	10		
	1100	208-230	3402	\$160	Sleeve	5.0	0.8	1.6	4.1	5.7	9		CA
1/8	825	208-230	1872	\$150	Sleeve	5.0	0.78	6.0	4.1	10.6	11	72	
	825	208-230	5456	\$167	Sleeve	5.0	1.2	3.8	4.1	7.8	11	72	RH
1/6	825	208-230	1873	\$164	Sleeve	5.0	1.00	6.0	4.1	10.6	12	72	
	825	208-230	5457	\$177	Sleeve	7.5	1.2	3.8	4.6	8.3	13	72	RH
	825/2	208-230	8673	\$214	Sleeve	5.0	1.0	6.0	4.4	10.9	14		
	1075	208-230	1859	\$101	Sleeve	5.0	1.0	5.0	3.8	9.4	11		
1/5	1500	208-230	3405	\$185	Sleeve	5.0	0.8	1.6	4.1	5.7	9		CA
	1075	208-230	5450	\$168	Sleeve	3.0	1.3	3.7	3.8	7.5	11	72	RH
	1075	208-230	5454	\$135	Sleeve	3.0	1.7	3.7	3.8	8.1	11	72	RH
1/4 / 1/8	825	208/230	1874	\$164	Sleeve	5.0	2.0	6.0	4.3	10.9	13	72	
1/4	825	460	1880	\$254	Ball	5.0	1.0	6.0	5.1	11.6	14		
	850	208-230	1743	\$167	Sleeve	5.0	1.5	2.8	4.6	7.3	10		YK
	825/2	208-230	8674	\$242	Sleeve	7.5	1.5	6.0	4.6	11.1	15		
	1075	208-230	1860	\$105	Sleeve	5.0	1.5	5.0	4.1	9.6	12		
	1075	208-230	1876	\$108	Ball	5.0	1.5	5.0	4.1	9.6	11		
	1115	460	3736	\$235	Ball	7.5	0.8	6.0	4.6	11.1	12		
	1100	208-230	3404	\$201	Sleeve	5.0	1.8	1.6	4.6	6.2	12		CA
1625	208-230	1890	\$231	Sleeve	5.0	1.4	5.0	4.3	9.9	12			
1/3 / 1/5	825	208-230	1875	\$186	Sleeve	7.5	2.4-1.4	6.0	5.1	11.6	17	72	
1/3	825	460	1881	\$333	Ball	7.5	1.0	6.0	5.6	12.1	17		
	825/2	208-230	8675	\$253	Sleeve	7.5	2.0	6.0	5.4	11.9	17		
	1130	208-230	1861	\$112	Sleeve	7.5	2.0	5.0	4.6	10.1	14		
	1075	208-230	5455	\$144	Sleeve	5.0	2.0	3.7	4.1	8.3	13	72	RH
	1075	208-230	1877	\$115	Ball	7.5	2.0	5.0	4.6	10.1	14		
	1115	460	3737	\$269	Ball	7.5	1.3	6.0	5.4	11.9	17		
	1075/2	208-230	8670	\$222	Sleeve	7.5	2.2	6.0	4.8	11.4	16	71	
1625	208-230	1891	\$263	Sleeve	5.0	1.9	5.0	4.6	10.1	13			
1/3 / 1/6	825/2	208-230	5464	\$182	Ball	10/7.5	1.9	5.0	5.3	10.3	18	72	
	1075	208-230	3222	\$120	Sleeve	10.0	1.8	5.0	4.6	9.6	11	72	
	1075	208-230	3323	\$124	Ball	7.5	2.0	5.0	4.1	9.1	12	72	
	1075/2	208-230	5462	\$140	Ball	7.5/5.0	2.6	5.0	4.6	9.6	14	72	

CA = Carrier® RH = Rheem® YK = York®

*Rotation CWLE

Note 71 1.5" Studs Shaft End Only, 40C Ambient, Double Flats, ECONOMIZER® Motor

Note 72 Includes Q-4 holes in shell for Rheem® Mount

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Condenser Fan 5.6" Diameter, Totally Enclosed Air Over (TEAO)



(continued)

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/2	825	208-230	1870	\$237	Sleeve	12.5	2.8	6.0	6.4	12.4	20		
	825	460	1882	\$385	Ball	10.0	1.6	6.0	6.3	12.9	21		
	1075	208-230	1862	\$124	Sleeve	10.0	3.1	6.0	5.3	11.9	18		
	1075	208-230	1878	\$127	Ball	10.0	3.1	6.0	5.3	11.9	18		
	1115	460	3738	\$277	Ball	10.0	1.5	6.0	5.9	12.4	19		
	1075/2	208-230	8671	\$257	Sleeve	10.0	2.9	6.0	4.3	10.8	21	71	
	1625	208-230	1892	\$321	Sleeve	5.0	3.0	5.0	5.1	10.6	15		
1/2 / 1/5	1075/2	208-230	5465	\$177	Ball	12.5/10.0	3.0	5.0	5.3	10.3	19	72	
3/4	1075	208-230	1868	\$153	Sleeve	10.0	4.7	5.0	5.8	10.3	20		
	1075	208-230	1879	\$156	Ball	10.0	4.7	5.0	5.8	11.4	21		
	1075	460	3742	\$319	Ball	10.0	2.0	6.0	6.4	12.9	22		

Note 71 1.5" Studs Shaft End Only, 40C Ambient, Double Flats, ECONOMIZER® Motor

Note 72 Includes Q-4 holes in shell for Rheem®† Mount

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Condenser Fan MOJAVE® Series Condenser Fan 5.6" Diameter, Totally Enclosed Air Over (TEAO)

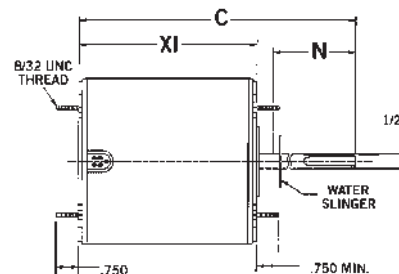


APPLICATIONS:

Residential and commercial condenser unit fan motors in extreme temperature locations.

FEATURES:

- 158°F (70°C) Ambient Design
- Ball Bearings Have All Angle Thrust System
- Class F insulation
- Suitable for use with 370V Capacitors
- Extended Studs
- 48" Leads
- Hubless Lead End
- Drain Holes Both Ends
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Continuous Duty
- Discount Symbol: DS-3HAC



Stud Mount, Without Capacitor, Extreme High Ambient Design, All Angle Mount

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/8	825	208-230	1872H	\$160	Ball	5.0	0.78	6.0	4.3	10.6	13.7	
1/4 / 1/8	825	208-230	1874H	\$173	Ball	5.0	2.1	6.0	4.4	10.9	13.0	H25
1/6	825	208-230	1873H	\$172	Ball	5.0	1.2	6.0	4.3	10.6	17.0	
	1075	208-230	1859H	\$115	Ball	5.0	1.0	5.0	4.0	9.4	18.1	
1/4	1075	208-230	1860H	\$113	Ball	5.0	1.7	6.0	4.1	10.6	12.0	
1/3	1075	208-230	1861H	\$119	Ball	7.5	2.1	6.0	4.6	11.1	14.0	
	825	208-230	1875H	\$196	Ball	7.5	2.4-1.4	6.0	5.3	11.6	17.0	
1/2	1075	208-230	1862H	\$133	Ball	10.0	3.2	6.0	5.3	11.9	18.0	
	825	208-230	1870H	\$250	Ball	10.0	3.3	6.0	6.1	12.4	17.0	
3/4	1075	208-230	1868H	\$162	Ball	10.0	4.7	6.0	5.8	12.4	20.0	

460 Volt

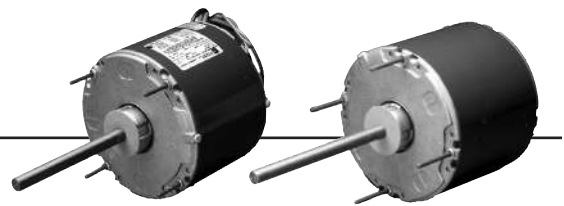
HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/4	1075	460	3736H	\$248	Ball	7.5	0.8	6.0	4.8	11.1	18.1	
1/3	1075	460	3737H	\$282	Ball	7.5	1.3	6.0	5.6	11.9	18.1	
1/2	1075	460	3738H	\$291	Ball	10.0	1.5	6.0	5.8	12	18.1	
3/4	1075	460	3742H	\$327	Ball	10.0	2.0	6.0	6.6	12.9	18.1	

Note H25 Includes 4 Holes with Screws in Shell for Rheem®† Mount

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Condenser Fan 5.6" Diameter, Open Dripproof, Air Over

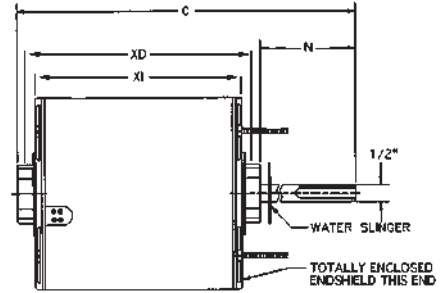


APPLICATIONS:

To meet manufacturer's requirements for condenser cooling fans.

FEATURES:

- High Efficiency ECONOMIZER® Rated (except as noted)
- 60 Hertz
- Capacitor Mounting Holes In Frame Band
- Continuous Duty, Air Over
- Water Slinger
- Suitable For Use with 370V Capacitor
- Automatic Reset Thermal Overload Protector
- Bearings have All Angle Thrust System
- Green Ground Lead
- Reversible Rotation
- Class B Insulation
- Extended Studs are 8-32 UNC Thread unless otherwise noted
- 30" Leads
- Double Flats On Shaft
- Enclosed End Shield At Shaft End
- **Discount Symbol: DS-3HAC**



Stud Mount, Shaft Up or Horizontal, Without Capacitor

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/8	1550	230	1675	\$168	SAB	5.0	0.79	3.0		3.8	6.8	9		TR
1/4	825	230	8666	\$242	SAB	5.0	1.9	6.0	5.1	4.6	11.6	14		
	1075	208-230	3851	\$104	SAB	5.0	1.7	5.0	4.4	3.8	9.9	14	62	
1/4	1110	208-230	8230	\$126	SAB	5.0	1.6	3.3	-	3.8	7.1	10	63,72,H33,H42	
1/3	825	230	8667	\$253	SAB	7.5	2.0	6.0	5.6	5.1	12.1	16	63	
	1075	208-230	6880	\$113	SAB	5.0	2.5-2.2	5.0	4.9	4.3	9.4	12	62	
1/2	1075	208-230	3852	\$121	SAB	7.5	3.1	5.0	5.4	4.8	10.9	15	62	
	1075	230	1444	\$182	Ball	7.5	3.1	6.0	5.6	5.1	12.2	18		
3/4	1075	208-230	3097	\$148	SAB	10.0	4.7	5.0	6.6	6.1	12.1	20		
	1075	230	8665	\$204	Ball	12.5	4.4	6.0	5.9	5.3	12.4	23		
1	1075	208-230	1888	\$358	Ball	15.0	5.2	6.0	6.8	6.3	13.4	25	62	

TR = Trane®†

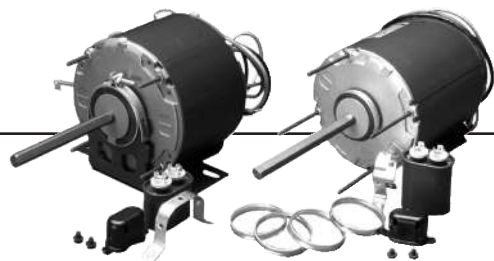
Note 62 Not an ECONOMIZER® Motor
 Note 63 Stud Extensions out Both Sides of Motor
 Note 72 Includes Q-4 holes in shell for Rheem®† Mount

Note H33 No Hub on Lead End
 Note H42 Shaft-end Ventilated, Lead-end Enclosed, Shaft-down Mounting Only

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor, Condenser Fan 5.6" Diameter, Open Dripproof Air Over



APPLICATIONS:

For use on condenser cooling fans.

FEATURES:

- High Efficiency ECONOMIZER® Rated (except as noted)
- 20" or 30" Leads unless otherwise noted
- Double Flats On Shaft (ECONOMIZER® Models)
- Capacitor Mounting Holes In Frame Band
- Suitable for Use With 370V Capacitors
- Automatic Reset Thermal Overload Protector
- Bearings Have All Angle Thrust System
- Enclosed Endshield at Shaft End
- Continuous Duty, Air Over
- Class B Insulation
- Green Ground Lead
- Extended Studs
- 60 Hertz
- Reversible Rotation
- Water Slinger
- Discount Symbol: DS-3HAC

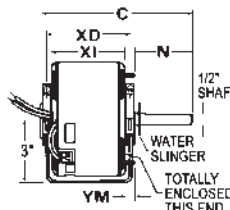


Figure A

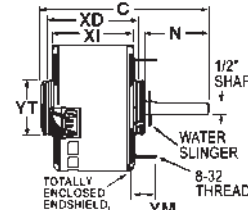


Figure B

Resilient Base, Shaft Up or Horizontal With Capacitor

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/4	1075	230	3846	\$257	SAB	5.0	1.9	4.9	5.1	4.6	10.4	1	15	62	
1/3	1625	230	4811	\$259	SAB	5.0	1.8	4.9	5.1	4.6	10.7	1	16		
	1625	230	4961	\$360	Ball	5.0	1.8	4.9	5.1	4.6	10.7	1	17	62	
	1075	230	3847	\$269	SAB	7.5	2.2	4.9	5.5	4.9	10.9	1	16		
1/2	1075	230	4960	\$295	Ball	7.5	2.2	4.9	5.4	4.8	10.9	1	16		
	1075	230	3848	\$280	SAB	7.5	3.1	5.0	6.5	5.9	12.0	1	19		
	1075	230	7025	\$349	Ball	7.5	3.1	4.9	6.4	6.0	11.9	1	18		

Hub Ring Mount (2 1/4"), Shaft Up or Horizontal, Without Capacitor (unless otherwise noted)

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/5 / 1/6	1075	208-230	8537	\$144	SAB	5.0	1.4/1.8	3.31	4.1	3.56	7.4	-	10	62	RH
1/3	825	230	5345	\$267	Ball	5.0	3.0	6.0	6.4	6.4	12.9	1	19	64	
	825	208-230	7040	\$242	Ball	7.5	2.7	6.0	6.0	6.0	12.4	1	18		
1/2	825	208-230	7041	\$358	Ball	12.5	2.8	6.0	5.8	5.8	13.2	1	21		

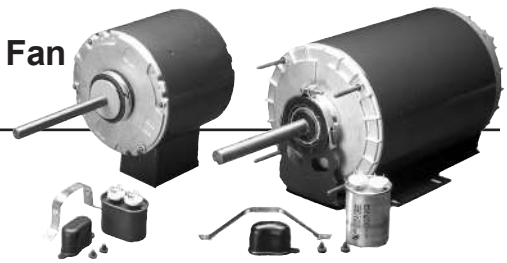
RH = Rheem®†

Note 62 Not an ECONOMIZER® Motor
Note 64 Capacitor Supplied Detached

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Commercial Condenser Fan Open Dripproof & Totally Enclosed, Air Over



APPLICATIONS:

For use on condenser cooling fans in commercial air conditioning applications.

FEATURES:

- Capacitor & Outlet Box Included, unless noted
- Reversible Rotation
- Double-Sealed Ball Bearing
- Continuous Duty, Air Over
- 60°C Ambient
- Dual Voltage
- Class B insulation
- Discount Symbol: DS-3HAC

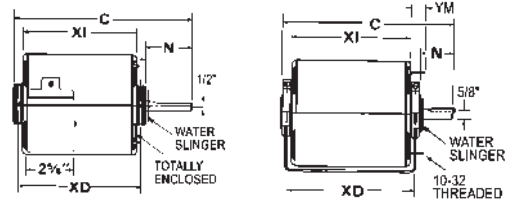


Figure A

Figure B

5.6" Diameter, All Angle Mounting, Hub Ring Mount (2-1/4") (Figure A)

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/3	1075	208-230/460	6727	\$287	Ball	5.0	2.4/1.2	5.0	5.9	5.3	11.4	N/A	17		
1/2	1075	208-230/460	7475	\$366	Ball	10.0	2.8/1.4	5.0	6.4	5.8	11.9	N/A	20		
	1075	208-230/460	2201	\$413	Ball	10.0	3.2	5.0	7.4	6.8	12.8	N/A	20	67	
	1075	208-230	8868	\$241	Ball	10.0	3.8-2.5	3.0	--	6.3	9.3	0.63	21	H15,H44	
3/4	1075	208-230/460	2202	\$404	Ball	12.5	4.8	5.0	8.4	7.8	13.8	N/A	23	66,67	
	1075	208-230/460	6603	\$428	Ball	7.5	5.0/2.5	5.0	6.9	6.3	12.4	N/A	22	66,H16	
	1075	208-230/460	5489	\$428	Ball	7.5	5.0/2.5	5.0	6.9	6.3	12.3	N/A	22	65,66,H15	
	1100	460	8233	\$313	Ball	12.5	2.3	3.0	6.6	6.0	10.2	N/A	19	65,66,H15	AA
1	1080	460	8055	\$532	Ball	15.0	2.5	5.0	--	6.6	11.6	N/A	20	H16,H29	LE

6.3" Diameter, All Angle Mounting, Hub or Stud Mount (4) (Figure A with 5/8" shaft)

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/2	825	208-230	3568	\$482	Ball	10.0	3.6	6.0	7.0	6.0	13.4	1.5	25	65,66,H15	
3/4	1075	208-230	3566	\$516	Ball	15.0	3.8	6.0	7.0	6.0	13.4	1.5	26	65,66,H15	
	825	208/230	3567	\$563	Ball	17.5	5.3	6.0	8.2	7.8	14.6	1.5	32	65,66,H15	
1	1075	208-230	3565	\$458	Ball	17.5	5.2	6.0	7.5	6.5	13.9	1.5	30	65,66,H15	
	1075	208-230/460	2203	\$455	Ball	17.5	5.2/2.6	6.0	10.4	9.9	16.9	1.5	40	67	
	1075	208-230/460	8431	\$428	Ball	12.5	5.8-5.4/2.7	6.0	9.9	9.4	16.4	1.8	41	65,67	
1 1/2	1075	208-230/460	2204	\$472	Ball	20.0	7.6/3.8	6.0	10.9	10.3	16.9	1.5	43	67	

6.3" Diameter, Resilient Base (Figure B)

HP	RPM	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
3/4	1100	208-230/460	*2193	\$728	Ball	30.0	4.8/2.5	4.1	8.3	7.8	13.1	--	41	H15,H16	
1	1075	208-230/460	2686	\$569	Ball	17.5	5.1/2.6	5.0	10.5	9.3	15.8	1.5	38	68	
1 1/2	1075	208-230/460	2896	\$609	Ball	20.0	7.5/3.8	5.0	11.0	9.8	16.3	1.5	47	67,68	

AA = Aaron^{®†} LE = Lennox^{®†}

*440V Capacitor

- Note 65 Ventilated (in wet applications, position vent holes at bottom of motor; use rain shield if mounted shaft up)
 Note 66 No outlet box, Includes leads
 Note 67 Capacitor not included, internal conduit box
 Note 68 Quick Change Voltage Receptacle, no outlet box

- Note H15 Capacitor not included
 Note H16 CCWLE rotation only
 Note H29 Includes rain shield, shaft up mounting
 Note H44 Stud mount

† All marks shown within this document are properties of their respective owners.



Three Phase Commercial Condenser Fan Open Dripproof, Air Over

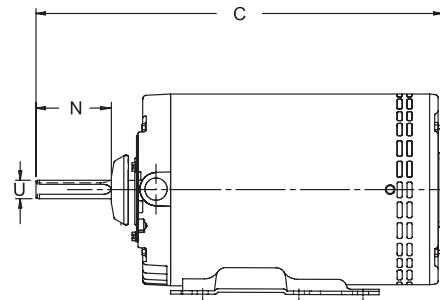


APPLICATIONS:

To meet manufacturer's requirements for condenser cooling fans in commercial air conditioning applications where 3 phase power is required.

FEATURES:

- Automatic Reset Thermal Overload Protector
- Reversible Rotation
- Continuous Duty, Air Over
- Double-Sealed Ball Bearings
- Dual Voltage
- Class B Insulation
- 140°F (60°C) Ambient Rated
- Shaft-Up Mounting
- Discount Symbol: DS-3HAC



Belly Band Mount, Flat and Keyway on Shaft

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	SF	Total C	Ship Wt. (lbs)	Notes	OEM
3/4	1140	208-230/460	1817	\$389	Ball	56Z	3.2/1.6	6.0	0.625	1.00	16.8	28		
1	1140	208-230/460	1818	\$411	Ball	56Z	4.0/2.0	6.0	0.625	1.00	16.8	29		
	1140	200-230/460	1816	\$417	Ball	56Z	6.0/3.0	5.0	0.625	1.00	14.5	19		DB
	1140	200-230/460	1326	\$485	Ball	48Y	3.5-3.3/1.7	3.0	0.625	1.00	13.6	35		CA
	1140	200-230/460	8058	\$462	Ball	56Z	3.6/1.8	3.4	0.625	1.00	13.7	30		LE
	850	208-230/460	1828	\$542	Ball	56Z	5.0/2.5	6.0	0.625	1.00	17.2	33		
	850	575	1829	\$696	Ball	56Z	2.1	6.0	0.625	1.00	17.2	33		
1 1/2	1140	208-230/460	1819	\$453	Ball	56Z	6.2/3.1	6.0	0.625	1.00	16.8	36		
2	1140	208-230/460	8987	\$492	Ball	56Z	7.8/3.9	6.0	0.625	1.00	16.8	43		

Rigid Base Mount, Flat and Keyway on Shaft

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	SF	Total C	Ship Wt. (lbs)	Notes	OEM
1	1140	208-230/460	1820	\$411	Ball	56YZ	4.0/2.0	6.0	0.625	1.00	16.8	32		
1 1/2	1140	208-230/460	1821	\$458	Ball	56YZ	6.2/3.1	6.0	0.625	1.00	16.8	39		
2	1140	208-230/460	1822	\$500	Ball	56YZ	7.8/3.9	6.0	0.625	1.00	17.3	45		

CA = Carrier^{®†} DB = Dunham Bush^{®†} LE = Lennox^{®†}

[†] All marks shown within this document are properties of their respective owners.



Three Phase VariTough® Inverter Duty Commercial Condenser Fan, Open Dripproof, Air Over

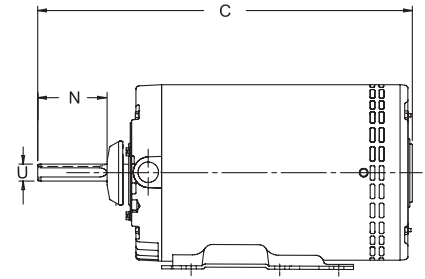


APPLICATIONS:

For use on condenser cooling fans in commercial air conditioning applications, where 3 phase power and variable frequency drives (VFD's) are required.

FEATURES:

- Inverter Duty
- Designed to NEMA[†] MG1-Part 31
- Open Dripproof, Shaft-Up Design
- 70°C Ambient
- Continuous Duty, Air Over
- Lock Bearing System OSE
- Class F Insulation
- Thermostat Temperature Protection
- Use Kit 21 for Shaft Grounding Option
- **Discount Symbol: DS-3HAC**



Belly Band Mount

HP	RPM	Voltage	Catalog Number	List	NEMA [†] Frame	Amps	Shaft N	Shaft U	Total C	Ship Wt. (lbs)
1	825	208-230/460	1830V	\$518	56YZ	5.2-5.2/2.6	3.25	0.625	15.8	33
	850	208-230/460	1828V	\$534	56YZ	5.0-5.0/2.5	6.0	0.625	16.8	42
	1140	208-230/460	1818V	\$510	56YZ	4.3-4.3/2.1	6.0	0.625	15.8	33
1 1/2	850	208-230/460	1832V	\$545	56HZ	6.6-6.2/3.1	3.5	0.625	15.8	37
	1140	208-230/460	1819V	\$580	56YZ	5.3-5.3/2.6	6.0	0.625	16.3	40
2	1140	208-230/460	8987V	\$635	56YZ	7.8-7.8/3.9	6.0	0.625	17.3	43

Rigid Base Mount

HP	RPM	Voltage	Catalog Number	List	NEMA [†] Frame	Amps	Shaft N	Shaft U	Total C	Ship Wt. (lbs)
1	850	208-230/460	1833V	\$469	56YZ	5.0-5.0/2.5	6.0	0.625	16.8	38
	1140	208-230/460	1820V	\$530	56YZ	4.3-4.3/2.1	6.0	0.625	15.8	34
1 1/2	850	208-230/460	1831V	\$660	56HZ	6.6-6.2/3.1	3.5	0.625	15.8	40
	1140	208-230/460	1821V	\$600	56YZ	5.3-5.3/2.6	6.0	0.625	16.3	41
2	1140	208-230/460	1822V	\$655	56YZ	7.8-7.8/3.9	6.0	0.625	17.3	44

For shaft grounding kit, order kit 21. See pages 188-189.

[†] All marks shown within this document are properties of their respective owners.



Three Phase Commercial Belt-Drive Blower Motor Open Dripproof, Air Over Not Required

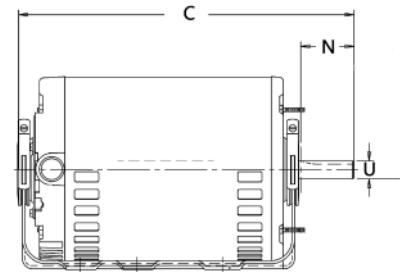


APPLICATIONS:

To meet manufacturer's requirements for belt-drive blowers in commercial air conditioning applications where 3 phase power is required.

FEATURES:

- Automatic Reset Thermal Overload Protector
- Reversible Rotation
- Continuous Duty
- Double Contact Sealed Ball Bearings
- Dual Voltage
- Class B Insulation
- 104°F (40°C) Ambient Rated
- **Discount Symbol: DS-3HAC**



Rigid Base Mount

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	SF	Total C	Ship Wt. (lbs)	Notes	OEM
1	1725	208-230/460	1813	\$450	Ball	56	3.4/1.7	1.9	0.625	1.15	11.9	24	VC	
1 1/2	1725	208-230/460	1814	\$508	Ball	56H	5.0/2.5	1.9	0.625	1.15	12.4	27	VC,H12	
	1725	200-230/460	7913	\$504	Ball	56HZ	5.0/2.5	2.3	0.875	1.15	12.4	39		LE
2	1725	208-230/460	1815	\$554	Ball	56	6.6/3.3	1.9	0.625	1.15	12.4	29	VC	
	1725	200-230/460	7914	\$539	Ball	56HZ	7.6-7.8/3.9	2.3	0.875	1.15	12.4	45		LE
	1725	208-230/460	8461	\$809	Ball	145T	6.7-6.3/3.2	2.3	0.875	1.00	12.5	37	25,H18,H45	
3	1725	200-230/460	7915	\$666	Ball	56HZ	9.0-9.2/4.6	2.3	0.875	1.15	13.3	48		LE

Resilient Mount

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	SF	Total C	Ship Wt. (lbs)	Notes	OEM
1/2	1725	208-230/460	8488	\$501	Ball	56	2.0-1.9/0.95	1.9	0.625	1.25	10.3	20		
3/4	1725	208-230/460	8489	\$550	Ball	56	2.9-2.9/1.5	1.9	0.625	1.25	10.8	22		
1	1725	208-230/460	8498	\$485	Ball	56H	4.3/2.2	1.9	0.625	1.25	11.3	26		
1 1/2	1725	200-230/460	8490	\$609	Ball	56H	5.2-5.1/2.6	1.9	0.625	1.15	12.8	32		
	1725	208-230/460	8491	\$781	Ball	145T	5-4.6/2.4	2.3	0.875	1.15	13.2	40		
2	1725	208-230/460	8493	\$699	Ball	56H	6.1-6.3/3.1	1.9	0.625	1.15	12.8	41		

LE = Lennox[®]

Note 25 No protector
 Note H8 5.6" Diameter
 Note H12 Base has Holes For 56 & 56H

Note H18 Conduit Box
 Note H45 Totally Enclosed, Air Over
 Note VC Quick Change Voltage Device

[†] All marks shown within this document are properties of their respective owners.



21/29 Frame Replacement Motor 5.0" Diameter, Open Dripproof, Air Over

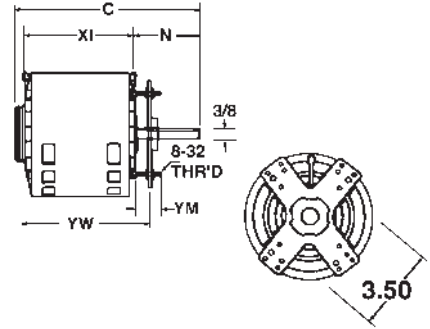


APPLICATIONS:

To replace most original 21 and 29 frame GE† motors.

FEATURES:

- Four Motors Replace Most Original 21 Frame GE† Motors (see below)
- P in Catalog Number Indicates Permanent Split Capacitor, Capacitor Included
- Self Aligning Bearings
- Holes Provided For Attaching a BX Connector
- Resilient Hub Rings, 2 1/4" Diameter
- Rotation CCW Lead End Except 1468P
- 30" Leads
- Dual Voltage Easily Changed By Quick Connects
- Class B insulation
- 3/8" Diameter Shafts With 1/2" Adapters
- Extended Thru-Bolts
- Automatic Reset Thermal Overload Protector
- Mounting Bracket Provided At Shaft End
- Can be Moved on Extended Thru-Bolts to Fit Most Existing Bases
- Has Mounting Holes and Bolts to Match 21 Frame Bolt Circle for Stud Mounting
- Can be Resilient Mounted, Band Mounted or End Mounted
- **Discount Symbol: DS-3HAC**



Hub Mount Bracket (2-1/4") Single Speed

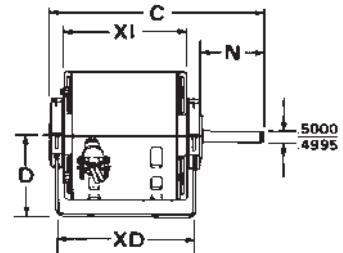
HP	RPM	Voltage	Catalog Number	List	Bearings	Amps	Shaft N	Shaft Dia.	Shell XI	Total C	Stud YM	Max. Ext. YW	Ship Wt. (lbs)	Notes
1/20	1550	115/208-230	1468P	\$172	SAB	2.2/1.1	3.3	0.375	3.3	7.1	1.5	5.6	7	
1/15	1550	115/208-230	1469P	\$192	SAB	2.8/1.4	3.5	0.375	3.3	7.4	1.5	5.8	7	H20
1/10	1550	115/208-230	1470P	\$143	SAB	3.8/1.9	3.5	0.375	3.6	7.6	1.5	6.1	7	
	1050	115/208-230	1471P	\$196	SAB	3.8/1.9	3.3	0.375	3.8	7.6	1.5	6.1	7	

Replacement Cross Reference

Catalog Number	GE† Number
1468P	DG3001, DG3002, DG3003, DG3004, DG3021, DG3022, DG3023, DG3024
1469P	FG3101, FG3102, FG3103, FG3104, FG3121, FG3122, FG3123, FG3124
1470P	HG3201, HG3202, HG3203, HG3204, HG3221, HG3222, HG3223, HG3224
1471P	HG3253, HG3254, HG3275, HG3263, HG3264

FEATURES:

- P in Catalog Number Indicates Permanent Split Capacitor, Capacitor Included
- 36" Leads
- CWLE Rotation
- Self Aligning Bearings
- Bearings Have All Angle thrust System
- BX Connector
- Class B insulation
- Continuous Duty, Air Over
- Automatic Reset Thermal Overload Protector
- Connection Instructions Included in Nameplate Data
- Green Ground Lead
- **Discount Symbol: DS-3HAC**



Resilient Base Single Speed

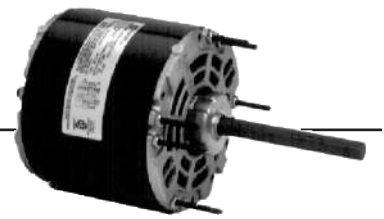
HP	RPM	Voltage	Catalog Number	List	Bearings	Frame	Amps	Shaft N	Shell XD	Shell XI	Total C	Ship Wt. (lbs)	Notes
1/10	1550	115/230	721P	\$257	SAB	42Y	2.6	2.4	3.9	3.3	6.9	9	
1/6	1550	115/230	722P	\$249	SAB	42Y	2.7	2.4	4.4	3.8	7.4	11	

Note H20 Rotation CWLE

† All marks shown within this document are properties of their respective owners.



Direct Drive Fan Single & Double Shaft 5.0" Diameter, Open Air Over



APPLICATIONS:

To meet manufacturer's requirements for direct drive fans and blowers.

FEATURES:

- Bearings Have All Angle Thrust System
- Continuous Duty, Air Over
- 24" Line Leads Unless Otherwise Noted
- Automatic Reset Thermal Overload Protector
- Connection Information Furnished in the Nameplate Data
- Shaded Pole Design Except Where Noted
- **Discount Symbol: DS-3HAC**

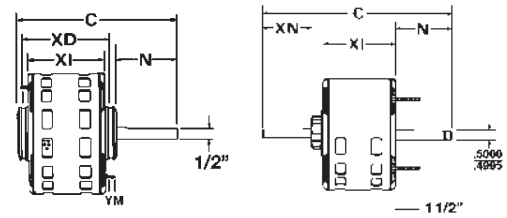


Figure A

Figure B

5.0" Diameter, Stud or Hub Ring Mount (2.5") (Figure A)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/15	1050	115	1334	\$134	SAB	42Y	2.8	1.9	--	3.3	5.2	0.6	10	84,H3,H6,H16	
	1050	115	1335	\$136	SAB	42Y	2.8	1.3	3.8	3.3	5.7	--	12	35,84,H6,H16	
	1050	115	1342	\$126	SAB	42Y	2.6	2.8	--	3.8	6.6	0.6	10	84,H16,H19	
	1050/2	115	1333	\$138	SAB	42Y	3	1.9	--	3.3	5.2	0.6	11	84,H3,H16	
1/10	1050	115	1336	\$124	SAB	42Y	3.7	1.8	--	3.8	5.7	0.6	11	84,H3,H6,H16	
1/8	1050	115	1337	\$129	SAB	42Y	5.5	5.0	5.0	4.5	10.4	0.9	13	84,H3,H16	
1/6	1050	115	1127P	\$101	SAB	42Y	3.0	4.0	5.0	4.3	9.4	--	12	84,H3,H16,H38	
	1050	115	2166P	\$198	SAB	42Y	5.2	3.5	4.5	3.8	8.9	--	10	84,H16	MI
1/5	1050	115	1340	\$133	SAB	42Y	7.1	2.2	5.2	4.7	7.9	0.9	14	84,H3,H16	
	1050/3	115	1338P	\$151	SAB	42Y	3.2	4.9	5.5	5.0	10.9	0.9	14	84,H3,H16,H38	
	1050/3	208-230	1339	\$164	SAB	42Y	3.9	4.9	5.5	5.0	10.9	0.9	14	84,H3,H16	
1/4	1050	115	1341	\$134	SAB	42Y	8.9	2.6	5.7	5.2	8.7	0.9	15	84,H3,H16	

5.0" Diameter, Resilient Base, Double Shaft (Figure B)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Rotation LE	Amps	Shaft N	Shaft XN	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/10	1050/2	115	2819	\$123	SAB	CCW	3.7	4.0	4.0	3.8	14.3	10		
	1050/2	230	2820	\$244	SAB	CCW	2.0	4.0	4.0	3.3	14.3	10		
	1050/4	115	2818	\$196	SAB	CCW	4.8	8.4	8.4	4.6	22.4	11		
	1050/5	115	2827P	\$265	SAB	CW	2.5	10.0	10.0	4.1	25.2	9	H34	
	1550/3	115	2817	\$273	SAB	CCW	3.8	8.4	8.4	4.6	22.4	8		
1/6	1625/2	115	1238	\$176	SAB	CCW	2.3	7.0	7.0	3.9	18.9	11	H38	
1/5	1075	208-230	1124	\$209	SAB	CW	1.3	5.7	5.7	4.1	16.5	12	H37	YK
1/4	1550/3	230	1221P	\$262	SAB	CCW	1.6	8.0	8.0	4.3	20.9	14	H3,H21	

MI = Miller[†] YK = York[†]

Note 35 Includes Base
 Note 84 Non-reversible
 Note H3 20" Leads
 Note H6 3/8" Shaft
 Note H16 Rotation CCWLE

Note H19 Conduit Box on Motor
 Note H21 Figure B Type Includes Mounting Kit; Non-reversible
 Note H34 Non-reversible; 54" Leads; Includes Resilient Base
 Note H37 PSC; 5.0 MFD Capacitor Required
 Note H38 PSC; Capacitor Included and Attached

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Direct Drive Fan Single Shaft 5.0" Diameter Open, Air Over

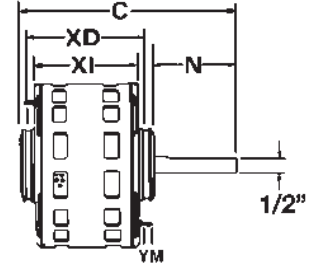


APPLICATIONS:

To meet manufacturer's requirements for direct drive fan and blowers.

FEATURES:

- Reversible Unless Noted
- Sleeve Bearings have All Angle Thrust System
- Suitable for Use With 370V Capacitors
- Continuous Duty, Air Over
- 24" Line Leads unless otherwise noted
- Automatic Reset Thermal Overload Protector
- Connection & Capacitor Information Furnished in Nameplate Data
- **Discount Symbol: DS-3HAC**



Permanent Split Capacitor, 5.0" Diameter, Stud or Hub Ring Mount (2.5")

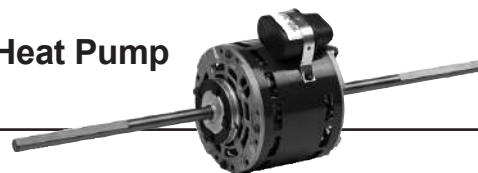
HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes
1/6	1075	115	6479	\$162	Sleeve	4.0	2.8	4.1	--	3.8	7.9	--	9	H11
1/5	1075/3	208-230	8952	\$206	Sleeve	5.0	1.6	4.0	5.3	4.9	9.9	--	11	
	1075/4	115	1268	\$150	Sleeve	4.0	3.4	3.5	4.6	4.1	8.7	1	10	98
1/4	1075	115	6480	\$112	Sleeve	7.5	4	5.0	--	4.1	9.1	--	9	H11
	1050/3	115	1390	\$160	Sleeve	7.5	2.8	4.0	4.9	4.3	8.9	1	13	H24
	1050/3	208-230	1391	\$163	Sleeve	7.5	1.5	4.0	4.9	4.3	8.9	1	13	H24
1/3	1075/3	115	8955	\$136	Sleeve	15.0	3.8	4.0	5.1	--	10.2	0.75	13	

Note 98 Class B Insulation
 Note H11 Band Mounting
 Note H24 Hub Rings Not Included

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Packaged Terminal A/C Heat Pump 5.0" Diameter, Open Air Over



APPLICATIONS:

To meet manufacturer's requirements for use in package terminal air conditioners or heat pump units.

FEATURES:

- Bearings Have All Angle Thrust System
- Suitable for Use With 370V Capacitors
- Continuous Duty, Air Over
- Automatic Reset Thermal Overload Protector
- **Discount Symbol: DS-3HAC**

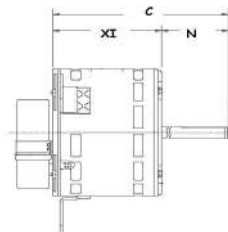


Figure A

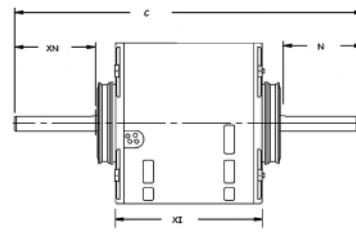


Figure B

Single Shaft, Direct Drive Blower (Figure A)

HP	RPM/Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Mount	Ship Wt. (lbs)	Notes	OEM
1/30	1100/3	115	1374	\$250	SAB	5.0	0.5	8.5	4.1	13.4	Resilient	10	64	TR
	1100/3	115-127	4125	\$200	SAB	4.0	0.53	8.0	4.1	13.7	Resilient	6	64	IE
	1075/3	265	4126	\$162	SAB	3.0	0.39	7.0	3.8	10.8	Flex	6		IE
1/20	1100/3	115	1676	\$281	SAB	5.0	0.55	8.7	3.3	13.1	Resilient	9	64	TR
	1100/3	265	1965	\$172	SAB	4.0	0.45	3.5	4.3	7.8	3 Lugs	10	R	AM
	1075/3	208-230	4136	\$212	SAB	5.0	0.55	6.5	4.1	10.6	Flex	8		IE
	1075/3	265	1959	\$180	SAB	3.0	0.4	6.5	4.1	10.6	Flex	8		IE
	1075/3	277	4137	\$186	SAB	4.0	0.55	6.5	3.4	9.9	3 Lugs	8		IE
1/16	850/3	277	1678	\$190	SAB	4.0	0.5	2.3	4.1	6.3	3 Lugs	12	64	TR
1/15	1075/3	265	1961	\$185	SAB	4.0	0.6	7.0	3.8	10.8	Flex	12		IE
1/5	925/3	208-240	4129	\$176	SAB	6.0	1.9	7.0	4.6	11.6	Flex	12		IE
1/4	975/3	115	4130	\$191	SAB	12.5	6.0	7.0	4.8	11.8	Flex	13		IE
	1050/3	277	1962	\$201	SAB	7.5	1.6	7.0	5.1	12.6	Flex	13		IE
	1075/3	265	4131	\$199	SAB	10.0	1.6	5.25	4.8	10.1	Flex	13		IE

Dual Shaft, Direct Drive Blower (Figure B)

HP	RPM/Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shaft XN	Shell XI	Total C	Mount	Ship Wt. (lbs)	Notes	OEM
1/15	1100/3	115	1090	\$294	SAB	5.0	0.80	9.7	10.8	3.8	25.4	Resilient	7		TR
1/12	1150/3	277	1960	\$189	SAB	5.0	0.69	7.6	8.3	4.3	21.2	Hub Ring	9	64	IE
	1375/3	115-127	4127	\$206	SAB	6.0	1.35	8.0	8.25	3.8	21.2	Hub Ring	9	64	IE
1/8	1500/3	277	1964	\$218	SAB	4.0	0.8	7.8	8.3	4.1	21.2	Resilient	10	64	
1/6	1450/3	115-127	4128	\$221	SAB	5.0	2.55	8.0	8.3	4.1	21.4	Hub Ring	11	64	IE
	1625/4	115	8525	\$239	SAB	5.0	2.2	8.0	8.0	4.2	24.0	Resilient	12		

AM = Amana® IE = IEC®† TR = Trane®†

Note 64 Capacitor Included
Note R Reversible

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Packaged Terminal A/C Heat Pump 5.6" and 6.3" Diameter, Open Air Over



APPLICATIONS:

For use in package terminal air conditioners or heat pump units.

FEATURES:

- Bearings Have All Angle Thrust System
- Suitable for Use With 370V Capacitors
- Continuous Duty, Air Over
- Automatic Reset Thermal Overload Protector
- **Discount Symbol: DS-3HAC**

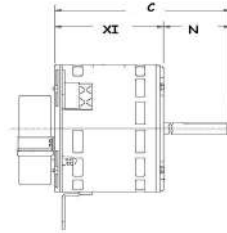


Figure A

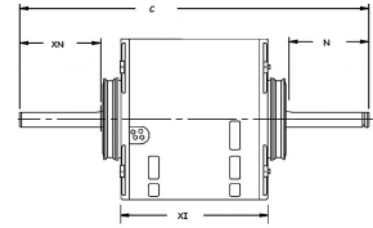


Figure B

5.6" Diameter, Single Shaft, Direct Drive Blower (Figure A)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shaft XN	Shell XI	Total C	Mount	Ship Wt. (lbs)	Notes	OEM
1/12	1200/2	208-230	3033	\$143	SAB	4.0	0.56	4.5	--	3.6	8.1	3 Lugs	10		AM

5.6" Diameter, Dual Shaft, Direct Drive Blower (Figure B)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shaft XN	Shell XI	Total C	Mount	Ship Wt. (lbs)	Notes	OEM
1/8	1075/3	277	1042	\$206	SAB	5.0	0.76	8.4	8.4	3.7	21.7	Hub Ring	10	LA	
	1040/3	277-265	3360	\$212	SAB	3.0	1.3	3.0	7.0	3.8	13.8	Lug	12		CA
1/4	1075/3	277	1043	\$282	SAB	5.0	1.5	7.5	7.8	4.4	20.1	Stud/Hub Ring	14		

AM = Amana[†] CA = Carrier[†]

PTAC OEM Cross Reference

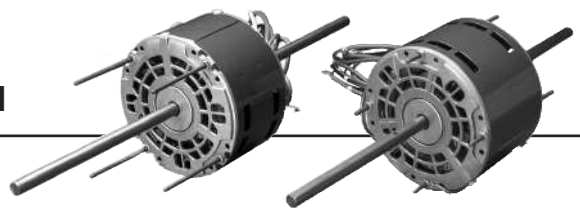
U.S. MOTORS® Catalog Number	OEM Number	Industry Number
4127	700215-16	5KCP29BK6777S
4128	700215-17	5KCP29DK6774S
4130	700215-21	5KCP29MK6102S
4129	700215-42	5KCP29KK4878AS
4137	700215-45	5KCP29FK977S
1962	700215-48	5KCP29MK6109S
4125	700216-92	5KCP29BK5875S
4126	705563-07	5KCP29BK6016AS
1959	705563-08	5KCP29FK6017S
1961	705563-09	5KCP29DK6018S
4131	705563-12	5KCP29MK6021S
4136	705563-14	5KCP29FK6023S
1960	705563-26	5KCP29BK6366S
1965	C61174-8	5KCP29FK2632S
1964		5KCP29CK8613S

Note LA Limited Availability

[†] All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Double Shaft Fan and Blower 5.6" Diameter, Two & Three Speed



APPLICATIONS:

To meet manufacturer's requirements for blowers utilizing a double-shaft motor.

FEATURES:

- Open Dripproof, Air Over Except Where Noted
- Automatic Reset Thermal Overload Protector
- CCW Rotation Lead End
- Bearings Have All Angle Thrust System
- Continuous Duty, Air Over
- Green Ground Lead
- Connection & Capacitor Information Furnished on Nameplate
- Suitable for Use With 370V Capacitors
- Hub Rings Are 2-1/4" Diameter, Furnished Detached, With Extra Metal Rings For Adapting To 2-1/2" Diameter
- Mounting Holes In Shell For Mounting Capacitor
- When Supplied, Capacitor & Mounting Hardware Are Supplied Detached
- 20" Leads
- Class B Insulation
- Multiplier Symbol: DS-3HAC

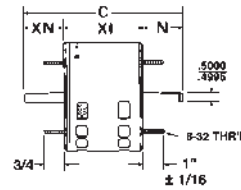


Figure A

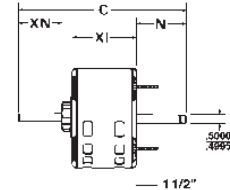


Figure B

Stud Mount, Without Capacitor & Mounting Kit, ECONOMIZER® High Efficiency (Figure A)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shaft XN	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/4	1625/3	230	8725	\$262	SAB	6.0	1.6	7.0	7.0	4.1	18.1	12		
1/8	1075/3	115	1186	\$259	SAB	5.0	2.1	6.0	6.0	3.9	15.8	12	H45	
	1075/3	208-230	1187	\$263	SAB	5.0	0.9	6.0	6.0	3.9	15.8	12	H45	
1/3	1625/3	230	8726	\$271	SAB	7.5	1.9	7.0	7.0	4.3	18.3	13		

Resilient Mounting With Capacitor and Mounting Kit, Two Speed (Figure B)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shaft XN	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/4	1075/2	115	1244	\$200	SAB	5.0	4.4	7.0	7.0	4.4	19.4	16	RB	
	1625/2	115	1242	\$212	SAB	3.0	3.6	7.0	7.0	3.9	18.9	13	RB	
	1625/2	230	1243	\$218	SAB	3.0	1.8	7.0	7.0	3.9	18.9	12	RB	
1/2	1075/2	230	1248	\$149	SAB	5.0	3.3	7.0	7.0	4.9	19.9	19	RB	

Hub or Stud Mount (Except Where Noted), With Capacitor and Mounting Kit, Three Speed (Figure B)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shaft XN	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/6	1075/3	115	1240	\$187	SAB	5.0	2.9	7.0	7.0	3.7	18.7	12	RB	
1/5	1075/3	230	1152	\$148	SAB	5.0	1.4	5.1	5.1	3.8	13.4	13		GB
1/3	1625/3	230	1887	\$271	SAB	5.0	2.2	8.0	8.0	4.3	20.8	13		
	1075/3	230	1213	\$201	SAB	5.0	2.5	8.0	8.0	4.3	20.1	18		
	1100/3	230	5108	\$206	SAB	5.0	2.3	4.3	4.3	4.3	14.2	16		WP
	1075/3	230	1247	\$224	SAB	5.0	2.5	7.0	7.0	4.7	19.7	18	RB	
1/2	1075/3	230	1824	\$235	SAB	5.0	4.5	8.0	8.0	5.4	22.0	19		

Hub or Stud Mount, Without Capacitor and Mounting Kit *, Three Speed (Figure B)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Shaft XN	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/8	1075/3	115	8523	\$199	SAB	5.0	2.1	7.0	7.0	3.7	20.1	11		
1/6	1075/3	115	12160	\$124	SAB	5.0	3.0	8.0	8.0	3.6	20.1	11		
1/4	1075/3	230	3134	\$189	SAB	5.0	2.0	8.0	8.0	4.6	20.1	13		
1/3	1075/3	230	3135	\$145	SAB	5.0	2.5	8.0	8.0	4.6	21.1	14		
1/2	1075/3	230	3136	\$158	SAB	5.0	4.5	8.0	8.0	5.4	22.0	20		

GB = Gibson® WP = Whirlpool® *To Make Resilient Mount, Order Kit Numbers 27 and 4. See Pages 188-189.

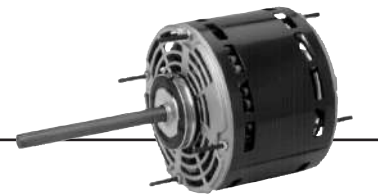
Note H45 Totally Enclosed Air Over

Note RB Resilient Mounting

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Direct Drive Fan and Blower 5.6" Diameter Open Air Over

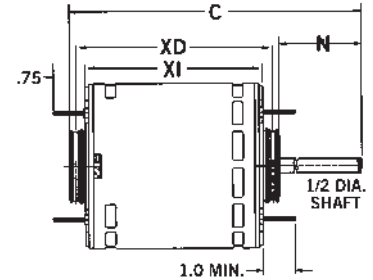


APPLICATIONS:

Residential and commercial direct drive fans and blowers.

FEATURES:

- Stud Extensions On Popular Models
- Suitable for Use With 370V Capacitors
- Class B Insulation
- 24" Leads
- Continuous Duty, Air Over
- SAB Bearings Have All Angle Thrust System
- Reversible Rotation
- For Flex Mount, Order Catalog #44; See Page 188-189.
- Automatic Reset Thermal Overload Protector
- Connection and Capacitor Information Furnished In Nameplate Data
- 2.5" Diameter Hub Rings Included
- **Discount Symbol: DS-3HAC**



Hub Ring Mount (2.5") Except As Noted, Without Capacitor

HP	RPM/ Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/4	1075/3	115	1863	\$112	7.5	3.5	5.0	4.9	4.3	10.4	12		
	1625/3	115	1690	\$214	10.0	2.7	6.0	4.7	4.3	10.4	13		
	1075/3	208-230	1971	\$114	7.5	1.5	5.0	4.9	4.3	10.4	11		
	1075/3	277	600	\$236	4.0	2.0	5.0	5.1	4.6	10.7	14	69	
1/3	1075/3	115	1864	\$115	7.5	5.0	5.0	5.1	4.6	10.7	12		
	1625/3	115	1692	\$220	15.0	3.7	5.0	5.1	4.6	10.7	13		
	1075/3	208-230	1972	\$118	7.5	1.9	5.0	4.9	4.6	10.7	13		
	1075/3	277	601	\$218	4.0	2.2	5.0	5.2	4.3	10.7	14	69	
	1625/3	208-230	1693	\$150	5.0	2.1	5.0	5.1	4.7	10.4	13		
1/3 / 1/9	825/2	208-230	5469	\$218	7.5	2.4	4.5	--	5.3	9.8	17	72	
1/2	825/2	208-230	8064	\$249	20.0	4.4	2.5	5.6	6.1	9.0	21	69	LE
	1075/3	115	1865	\$139	10.0	6.5	4.0	6.0	5.4	10.4	19		
	1625/3	115	1694	\$235	15.0	5.5	5.0	5.9	5.3	11.4	17	A	
	1075/3	208-230	1973	\$144	10.0	2.9	5.0	5.9	5.3	11.4	19		
	1075/3	277	602	\$299	6.0	3.4	5.0	5.5	4.9	10.9	16	69	
	1625/3	208-230	1695	\$240	7.5	3.1-3.0	5.0	5.9	5.3	11.4	17		
1/2 - 1/6	1075/2	115	5460	\$148	12.5/7	7.3	5.0	5.4	4.8	9.8	15	72	
	1075/2	208-230	5461	\$151	10/5	3.6	5.0	5.4	4.8	9.8	15	72	
3/4	1625/3	115	1696	\$250	15.0	8.6	5.0	6.1	5.6	11.7	20		
	1625/3	208-230	1697	\$255	10.0	4.4-4.2	5.0	6.1	5.6	11.7	18	A	
	1075/3	115	8904	\$159	15.0	9.5	4.0	6.0	5.4	10.4	19	69	
	1075/3	208-230	8905	\$160	15.0	4.0	4.0	6.0	5.4	10.4	19	69	
	1075/3	277	5847	\$298	15.0	4.1	4.9	6.7	5.6	13.2	19		
	1075/4	115	3340	\$340	7.5	12.1	6.0	4.8	5.3	12.4	18		CA
3/4 - 1/5	1075/2	115	5470	\$177	20/10	8.1	5.0	6.6	6.1	11.6	22	72	
	1075/2	208-230	5471	\$181	20/10	4.1	5.0	6.6	6.1	11.6	21	72	
1	1075/4	115	6452	\$221	15.0	11.2	5.0	--	5.8	10.8	18	69,H11	
	1075/3	115	8906	\$298	20.0	12.1	5.0	6.6	6.1	12.2	20	H17	
	1075/3	208-230	8907	\$301	20.0	5.6	5.0	6.6	6.1	12.2	21	H17	
	1625/3	115	1699	\$265	25.0	11.1	6.0	6.4	5.9	12.9	21	H7	

CA = Carrier^{®†} LE = Lennox^{®†}

Note 69 No Stud Extension
 Note 72 Includes 4 Holes In Shell For Rheem^{®†} Mount
 Note A Class A Insulation

Note H7 36" Leads, 2.25" Diameter Hubs With 2.5" Diameter Kit Included
 Note H11 Band Mount
 Note H17 Class B Insulation, Studs Shaft Side Only, Ball Bearings

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor Direct Drive Fan and Blower

5.6" Diameter Open Air Over, High Efficiency

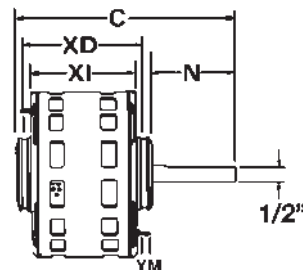


APPLICATIONS:

To meet manufacturer's requirements for use on direct drive fans and blowers.

FEATURES:

- Reversible Rotation (Unless Otherwise Noted)
- Class B Insulation
- Bearings Have All Angle Thrust System
- Continuous Duty, Air Over
- Suitable for Use With 370V Capacitors
- 36" Line Leads Unless Otherwise Noted
- High Efficiency ECONOMIZER® Motors
- Automatic Reset Thermal Overload Protector
- Connection & Capacitor Information Furnished in Nameplate Data
- When Furnished, The Capacitor And Its Mounting Hardware Is Supplied Detached
- 2.5" Diameter Hub Rings Included - See Notes
- **Discount Symbol: DS-3HAC**



Stud or Hub Ring Mount (2.5"), Single Speed

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/3	825	208-230	6873	\$267	Ball	5.0	2.7	4.5	6.4	5.8	11.4	--	17	H10	

Stud or Hub Ring Mount (2.5"), Two Speed

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/4	1625/2	460	8944	\$412	Ball	5.0	0.8	6.0	--	4.6	10.6	0.8	13		
1/3	1075/2	460	8945	\$472	Ball	5.0	1.3	6.0	5.3	4.8	11.9	0.8	14	64	
3/4	1075/2	460	8947	\$504	Ball	20.0	2.2	6.0	6.1	5.6	12.7	0.8	21	64	

Stud or Hub Ring Mount (2.5"), Three Speed

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
3/4	1075/3	460	8056	\$403	SAB	20.0	2.3	2.5	5.8	5.3	8.4	--	19	62	LE
1	1100/3	460	2553	\$401	SAB	25.0	3.3	3.5	--	6.8	10.3	--	20	62,H11	YK

Four Speed

HP	RPM/ Spds.	Voltage	Catalog Number	List	Bearings	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes	OEM
1/6	1075/4	115	5825	\$140	SAB	4.0	2.2	6.0	4.6	4.1	11.1	1.5	11	H1	
	1075/4	208-230	5826	\$141	SAB	5.0	1.1-1.0	6.0	4.6	4.1	11.1	1.5	11	H1	
1/4	1075/4	115	5830	\$141	SAB	5.0	3.8	6.0	4.9	4.4	11.4	1.5	12	H1	
	1075/4	208-230	5831	\$145	SAB	5.0	1.8-1.7	6.0	4.9	4.4	11.4	1.5	12	H1	
1/3	1075/4	115	5835	\$159	SAB	7.5	4.6	6.0	5.4	4.9	11.9	1.5	13	H1	
	1075/4	208-230	5836	\$160	SAB	6.0	2.3-2.2	6.0	5.2	4.7	11.7	1.5	13	H1	
1/2	1075/4	115	5840	\$171	SAB	7.5	7.1	6.0	5.8	5.3	12.4	1.5	19	H1	
	1075/4	208-230	5841	\$183	SAB	7.5	3.3-3.1	6.0	5.6	5.1	12.2	1.5	19	H1	
3/4	900/4	115	1125	\$289	SAB	10.0	11.9	4.0	--	6.6	10.6	--	20	62,H11	IC
	1075/4	115	5845	\$227	SAB	15.0	10.6	6.0	6.2	5.7	12.7	1.5	20	H1	
	1075/4	115	3275	\$246	Ball	40.0	10.0	2.5	5.9	5.4	8.9	--	17	H2	LE
	1075/4	115	5463	\$272	Ball	15.0	10.6	5.0	--	5.8	10.8	--	20	62,72	RH
	1075/4	208-230	5846	\$239	SAB	10.0	6.1-5.8	6.0	6.2	5.7	12.7	1.5	20	H1	
1	1100/4	208-230	4670	\$277	SAB	20.0	6.0	5.0	--	6.3	11.3	--	20	62,84,H11	IC

IC = ICP^{®†} LE = Lennox^{®†} RH = Rheem^{®†} YK = York^{®†}

Note 62 Not ECONOMIZER®
 Note 64 Includes Capacitor Unmounted
 Note 72 Includes 4 Holes In Shell For Rheem^{®†} Mount
 Note 84 Non-Reversible

Note H1 2.25" Diameter Hub Rings With Kit For 2.5" Diameter Included
 Note H2 2.5" Hub Rings
 Note H10 50" Line Leads
 Note H11 Band Mount

† All marks shown within this document are properties of their respective owners.



Permanent Split Capacitor and Shaded Pole Flex Mount Direct Drive Fan and Blower 5.0" and 5.6" Diameter, Open Air Over

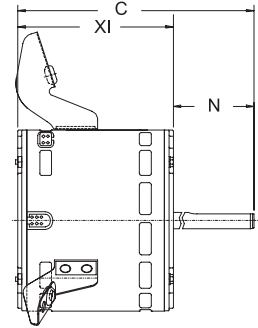


APPLICATIONS:

To meet manufacturer's requirements for use on direct drive fans and blowers with flexible ear mounts.

FEATURES:

- Class B Insulation Unless Noted
- 5.0" Diameter Motors CWLE Rotation
- 5.6" Diameter Motors Reversible Rotation
- Bearings Have All Angle Thrust System
- Continuous Duty, Air Over
- 24" Leads
- Automatic Reset Thermal Overload Protector
- PSC Motors Suitable for 370V Capacitors
- **Discount Symbol: DS-3HAC**



Shaded Pole 5.0" Diameter

HP	RPM/ Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/5	1050/1	115	2867P	\$113	--	3.0	3.8	4.5	8.3	10	H22	MI

Permanent Split Capacitor 5.6" Diameter

HP	RPM/ Spds.	Voltage	Catalog Number	List	Cap. MFD	Amps	Shaft N	Shell XI	Total C	Ship Wt. (lbs)	Notes	OEM
1/4	1075/3	115	3783	\$205	5.0	3.8	5.0	4.3	9.3	11		
	1075/3	208-230	3784	\$218	5.0	1.7	5.0	4.3	9.3	10	80	
1/3	825/3	208-230	8052	\$191	15.0	1.9	2.5	4.8	7.3	14		LE
	1000/4	115	9377	\$222	5.0	6.0	5.3	4.6	9.8	13		
	1075/3	115	3785	\$214	7.5	5.0	5.0	4.6	9.8	13		
	1075/3	208-230	3786	\$231	5.0	2.4	5.0	4.3	9.3	12		
1/2	1075/3	115	3787	\$245	10.0	7.4	5.0	5.6	10.7	18		
	1075/3	208-230	3788	\$259	7.5	3.3	5.0	5.3	10.3	17		

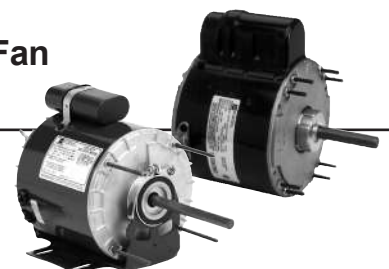
LE = Lennox^{®†} MI = Miller^{®†}

Note 80 Canadian Standard - Connected CCWLE (Reversible)
 Note H22 Flex Mount is Removable

† All marks shown within this document are properties of their respective owners.



Shaded Pole and Permanent Split Capacitor Unit Heater Fan 5.0", 5.6" and 6.3" Diameter Totally Enclosed Air Over



APPLICATIONS:

To meet manufacturer's requirements for use on unit heaters.

FEATURES:

- Reversible Motors Are Easily Reversed With Quick Connects
- Automatic Reset Thermal Overload Protector
- 2 1/2" Diameter Hub Rings When Furnished
- 48 Frame Has 8-32 NF-2A Thread; 56 Frame Has 10-32 NF-2A Thread
- Continuous Duty, Air Over
- 370V Capacitor Is Furnished
- Green Ground Lead
- Leads Are SJO Cord
- Extended Mounting Studs
- **Discount Symbol: DS-3HAC**

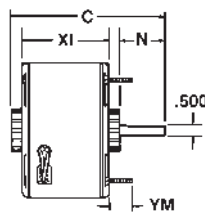


Figure A

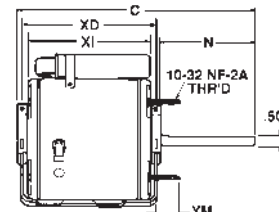


Figure B

Stud Mount, Single Speed (Figure A)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Diameter (in)	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes
1/6	1075	115	9034	\$205	5.6	4.0	2.6	2.5	4.9	4.3	7.9	0.8	12	
1/4	1075	115	9035	\$223	5.6	5.0	3.6	2.5	5.8	5.1	8.7	0.8	15	
1/3	1075	115	9036	\$227	5.6	4.0	5.1	2.5	5.8	5.1	8.7	0.8	15	

Resilient Base (Figure B)

HP	RPM/ Spds.	Voltage	Catalog Number	List	Diameter (in)	Cap. MFD	Amps	Shaft N	Base XD	Shell XI	Total C	Stud YM	Ship Wt. (lbs)	Notes
1/2	1075/2	230	1810	\$404	6.3	10.0	2.5	4.9	7.5	6.3	12.8	2.5	26	
3/4	1075/2	230	1811	\$409	6.3	12.5	3.7	4.9	8.5	7.3	13.8	2.5	34	

† All marks shown within this document are properties of their respective owners.



Split Phase Belted Fan and Blower

NEMA^{®†} 48 Frame, Single and Two Speed

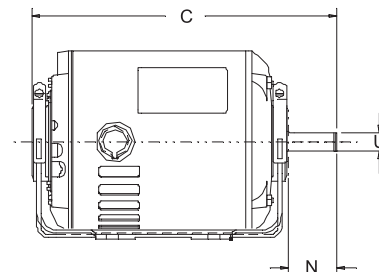


APPLICATIONS:

To meet manufacturer's requirements for belted fans and blowers.

FEATURES:

- Resilient Base
- Class B Insulation Unless Otherwise Noted
- With Threaded Conduit Hole
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- **Discount Symbol: DS-3HAC**



Single Speed, Open Dripproof

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA ^{®†} Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/4	1725	115	8000	\$127	Ball	48	5.3	1.5	0.500	Auto	8.9	1.35	13	77,79
	1725	115	840CV	\$128	Ball	48	5.3	1.6	0.500	Auto	9.4	1.35	16	80,81,82
	1725	115	2889	\$251	Ball	48	4.4	1.5	0.500	Auto	9.9	1.35	21	83,A
	1725	115/208-230	PD6002	\$151	Ball	48Z	5.2/2.5-2.6	2.25	0.500	Auto	10.2	1.35	17	80
	1725	115	8505	\$192	Ball	48	5.0	1.5	0.500	Auto	10.7	1.00	17	
	1725	115/208-230	3618	\$136	Ball	48Z	5.2/2.5-2.6	1.875	0.500	Auto	9.3	1.35	14	
1/3	1725	115	8100	\$132	Ball	48	6.4	1.5	0.500	Auto	9.4	1.35	15	77,79
	1725	115	841CV	\$133	Ball	48	6.4	1.6	0.500	Auto	9.9	1.35	18	80,81,82
	1725	115-208/230	PD6004	\$178	Ball	48Z	6.6/3.1-3.3	2.25	0.500	Auto	10.7	1.35	19	80
1/2	1725	115	8200	\$158	Ball	48	8.0	1.5	0.500	Auto	10.0	1.25	18	77,79
	1725	115	1542C	\$168	Ball	48	8.0	1.6	0.500	Auto	9.9	1.25	21	80
	1725	115	2887	\$305	Ball	48	8.0	1.5	0.500	Auto	9.9	1.25	21	83,A
	1725	115/208-230	PD6006	\$219	Ball	48Z	8.6/4.2-4.3	1.9	0.500	Auto	10.7	1.25	20	80,81,98

Two Speed, Open Dripproof

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA ^{®†} Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3 / 1/6	1725/1140	115	1786	\$389	Ball	48	5.8	1.5	0.500	Auto	10.4	1.35	22	A
	1725/1140	230	1789	\$404	Ball	48	2.9	1.6	0.500	Auto	10.4	1.35	22	A

Note 77 With Shaft Adapter For 5/8" Shaft
 Note 79 Combination Mounting Holes For NEMA^{®†} 48 and 56 Frame Dimensions
 Note 80 Canadian Standard - Connected CCWLE (Reversible)
 Note 81 Canadian Standard - May Be Used With Single Pole Single Throw Switch; Not Stocked For U.S. Distribution

Note 82 Open, Ventilated
 Note 83 Enclosed Shell, Ventilation Through End Shields By Internal Fan
 Note 98 50/60 Hertz
 Note A Class A Insulation

† All marks shown within this document are properties of their respective owners.



Split Phase Belted Fan and Blower Open Dripproof, NEMA^{®†} 56 Frame, Single and Two Speed

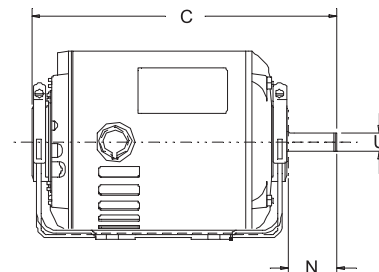


APPLICATIONS:

To meet manufacturer's requirements for belted fans and blowers.

FEATURES:

- Resilient Base
- Class B Insulation Unless Otherwise Noted
- With Threaded Conduit Hole
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- **Discount Symbol: DS-3HAC**



Single Speed, NEMA^{®†} 56 Frame

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA ^{®†} Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3	1725	115	2766	\$344	SAB	56	5.7	1.9	0.625	Auto	10.3	1.35	19	A
	1725	115	4253	\$280	SAB	56Z	5.8	1.5	0.500	Auto	8.9	1.35	18	77,A
1/2	1725	115/230	4114	\$368	SAB	56	8.0/4.0	1.9	0.625	Auto	9.8	1.25	22	
3/4	1725	115/230	4115	\$387	SAB	56	11.2/5.6	1.9	0.625	Auto	9.8	1.25	24	

Two Speed, NEMA^{®†} 56 Frame

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA ^{®†} Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3	1725/1140	115	5793C	\$231	SAB	56Z	5.9/3.6	1.5	0.500	Auto	10.4	1.00	19	80
	1725/1140	115	6470	\$292	Ball	56Z	6.9/3.8	1.6	0.500	Auto	8.9	1.00	20	23
1/2	1725/1140	115	5794C	\$299	SAB	56Z	8.7/5.1	1.5	0.500	Auto	10.4	1.00	25	80
	1725/1140	115	4293	\$412	SAB	56	9.2/6.0	1.9	0.625	Auto	10.8	1.25	26	A
	1725/1140	230	4293H	\$407	SAB	56	4.6	1.9	0.625	Auto	10.8	1.25	26	A
3/4	1725/1140	115	5795C	\$360	SAB	56	11.5/6.4	1.9	0.625	Auto	11.3	1.00	23	80

Note 23 Manual Reset Thermal Overload Protector
Note 77 With Shaft Adapter For 5/8" Shaft

Note 80 Canadian Standard - Connected CCWLE (Reversible)
Note A Class A Insulation

† All marks shown within this document are properties of their respective owners.



Split Phase Belted Fan and Blower Open Dripproof

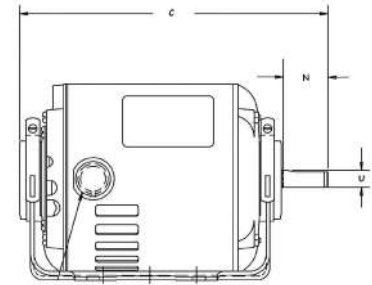


APPLICATIONS:

To meet manufacturer's requirements for belted fans and blowers.

FEATURES:

- 48 Frame Diameter Motor On NEMA® 56 Base
- Includes Shaft Adapter For Conversion To 5/8" Shaft
- 3-1/2" Shaft Height
- Reversible Rotation
- **Discount Symbol: DS-3HAC**



Single Speed, 48/56 Frame

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA®†	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3	1725	115/208-230	3622	\$173	Ball	48Y	6.6/3.1-3.3	1.5	0.500	Auto	9.9	1.35	18	78
1/2	1725	115	3624	\$201	Ball	48Y	7.4	1.5	0.500	Auto	9.9	1.25	20	78

Capacitor Start Belted Fan and Blower Open Dripproof, Resilient Base

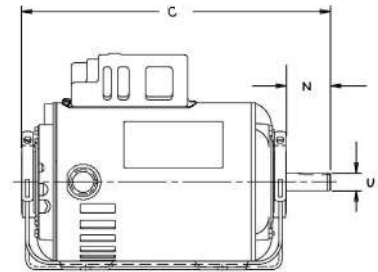


APPLICATIONS:

To meet manufacturer's requirements for belted fans and blowers.

FEATURES:

- 40°C Ambient
- Class A Insulation
- Reversible Rotation
- Suitable For All Angle Operation (Within Blower Housing)
- Automatic Reset Thermal Overload Protector
- Threaded Conduit Hole, Except 299
- **Discount Symbol: DS-3HAC**



HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA®†	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3	1725	115/230	180	\$251	SAB	48Y	6.0/3.0	1.5	0.500	Auto	9.9	1.35	20	
1/2	3450	115/208-230	298	\$299	SAB	48	8.6/4.3	1.5	0.500	Auto	9.9	1.25	16	
	1725	115/208-230	1790	\$317	SAB	56	9.2/4.6	1.9	0.625	Auto	9.3	1.25	22	
3/4	3450	115/208-230	430	\$316	SAB	48	9.2/4.6	1.5	0.500	Auto	10.4	1.25	22	
	1725	115/208-230	1893	\$389	Ball	56	11.4/5.7	1.9	0.625	Auto	10.8	1.25	27	
1	3450	115/208-230	431	\$344	SAB	48Z	11.6/5.8	1.9	0.625	Auto	11.3	1.25	22	
	1725	115/208-230	1769	\$476	Ball	56	14.0/7.0	1.9	0.625	Auto	11.8	1.25	30	
	1725	115/208-230	3187C	\$417	SAB	56	14.0/7.0	1.9	0.625	Auto	11.8	1.25	29	80
1 1/2	3450	115/208-230	299	\$464	Ball	56	17.2/9.0	1.9	0.625	Auto	11.9	1.15	32	
	1725	115/208-230	4242	\$514	Ball	56	22.4/11.2	1.9	0.625	Auto	12.8	1.15	35	

Note 78 Class B Insulation

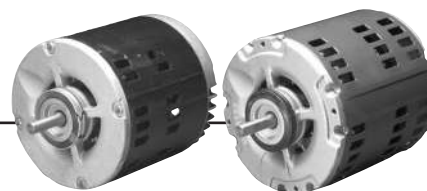
Note 80 Canadian Standard - Connected CCWLE (Reversible)

† All marks shown within this document are properties of their respective owners.



Split Phase Evaporative Cooler

6.3" Diameter, Open Dripproof

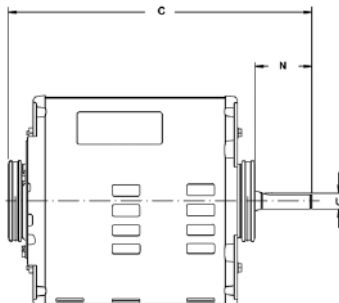


APPLICATIONS:

To meet manufacturer's requirements for evaporative cooling units.

FEATURES:

- Ball Bearings
- Class F Insulation
- CW Rotation Shaft End
- Zinc-Phosphate Stator Studs and Nuts
- Corrosion Resistant Rotor Core and Actuator Assembly
- Industry Standard Hub To Hub Dimension
- Automatic Reset Thermal Overload Protector
- **Discount Symbol: DS-3HAC**



Single Speed

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3	1725	115	6764	\$164	Ball	56Z	5.6	1.6	0.500	Auto	9.4	1.00	14	
1/2	1725	115	7095	\$180	Ball	56Y	8.4	1.6	0.500	Auto	9.4	1.00	17	89
	1725	115	6768	\$155	Ball	56Z	8.2	1.6	0.500	Auto	9.4	1.00	15	
	1725	230	6766	\$200	Ball	56Y	4.8	1.6	0.500	Auto	9.4	1.00	19	
3/4	1725	115	7096	\$201	Ball	56Y	11.7	1.6	0.500	Auto	9.4	1.00	19	89
	1725	115	6769	\$185	Ball	56Z	10.5	1.6	0.500	Auto	9.4	1.00	18	
	1725	230	6771	\$241	Ball	56Y	5.4	1.6	0.500	Auto	9.4	1.00	20	

Two Speed

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3	1725/1140	115	7097	\$192	Ball	56Z	6.6	1.6	0.500	Auto	9.4	1.00	17	89
	1725/1140	115	6767	\$160	Ball	56Z	5.5/3.9	1.6	0.500	Auto	9.4	1.00	17	
1/2	1725/1140	115	6765	\$167	Ball	56YZ	7.5/4.0	1.6	0.500	Auto	9.4	1.00	16	
	1725/1140	115	7098	\$200	Ball	56Z	8.2	1.6	0.500	Auto	9.4	1.00	19	89
	1725/1140	230	6795	\$209	Ball	56Z	4.5	1.6	0.500	Auto	9.4	1.00	19	
3/4	1725/1140	115	7099	\$231	Ball	56Z	10.9	1.6	0.500	Auto	9.4	1.00	19	89
	1725/1140	230	6796	\$268	Ball	56Y	5.5	1.6	0.500	Auto	9.4	1.00	19	
1	1725/1140	115	2574	\$360	Ball	56	12.4/6.1	1.9	0.625	Auto	11.8	1.00	35	35,60,89,H39
	1725/1140	230	2423	\$359	Ball	56	7.0/3.7	1.9	0.625	Auto	11.8	1.00	34	35,60,89,H39

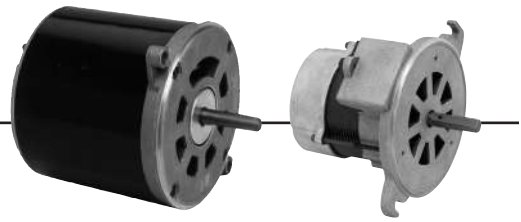
NOTE: For Hub Mounting, Order Kit Number 51 and 52. See Pages 188-189.

- Note 35 Includes Resilient Base
- Note 60 Capacitor Start
- Note 89 All Copper Wound
- Note H39 Reversible Rotation By Easy Reconnection

† All marks shown within this document are properties of their respective owners.



Split Phase and Capacitor Start Oil Burner Totally Enclosed When Mounted

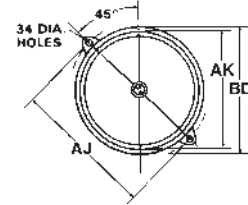


APPLICATIONS:

To meet manufacturer's requirements for oil burners.

FEATURES:

- 40°C Ambient
- 20" Leads, Located At 3 O'Clock Viewed From End Opposite Shaft
- 1.0 Service Factor
- Reversible Rotation, Except As Noted
- Manual Reset Thermal Overload Protector
- Class A Insulation
- 56N Frame Has 2 Holes And Screws For Mounting Outlet Box
- 56N Flange Is Enclosed, 48M And 48N Flange Are Ventilated
- Bearings Have All Angle Thrust System
- **Discount Symbol: DS-3HAC**



NEMA [†] Frame	Bolt Circle AJ	Flange Dia. AK	Outside Dia. BD
48M	6.75"	5.500"	6.25" max
48N, 56N	7.25"	6.275"	7.00" max

OEM Direct Replacements: Beckett^{®†}, Carlin^{®†}, Ducane^{®†}, Wayne Home^{®†} (CWLE)

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/7	3450	115	3274	\$72	Ball	48M	1.7	2.0	0.500	Auto	6.7	10	84,86,H46	
	3450	115	5866	\$112	Ball	48M	2.3	2.0	0.500	Manual	7.2	11	84	

Flange Mounted, Totally Enclosed, Non-Ventilated When Mounted, Without Base

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/8	3450	115	2097	\$124	Ball	48N	2.4	2.0	0.500	Manual	7.1	11		
	1725	115	3196	\$133	Ball	48N	2.4	2.0	0.500	Manual	7.6	14	85	
1/7	3450	115	3083	\$118	Ball	48M	2.6	2.0	0.500	Manual	7.3	11		
1/6	1725	115	3252	\$145	Ball	48N	3.1	2.0	0.500	Manual	7.6	15		
1/4	3450	115	2302	\$162	Ball	48N	3.7	2.0	0.500	Manual	8.3	15		
1/3	3450	115	2319	\$190	Ball	48N	4.8	2.0	0.500	Manual	10.5	18	78	
	1725	115	3580	\$328	Ball	56N	4.8	2.3	0.500	Manual	10.5	25	77	

Note 77 5/8" Shaft Adapter And Key Packed With Motor
 Note 78 Class B Insulation
 Note 84 Non-Reversible

Note 85 Removable Face Plate
 Note 86 PSC Motor, Capacitor Included
 Note H46 3.7" Body

[†] All marks shown within this document are properties of their respective owners.



Shaded Pole and Permanent Split Capacitor Ventilation Direct Drive Blower 5.0" and 5.6" Diameter, Open Air Over

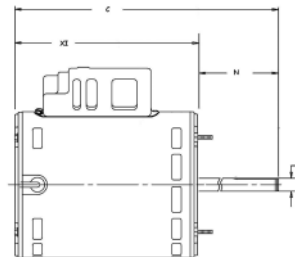


APPLICATIONS:

To meet manufacturer's requirements for direct drive ventilation units.

FEATURES:

- Capacitor Included and Mounted on PSC Models
- Automatic Reset Thermal Overload Protector
- Continuous Duty
- Ball Bearings Unless Noted
- 40°C Ambient
- 1.0 Service Factor
- **Discount Symbol: DS-3HAC**



HP	RPM	Voltage	Catalog Number	List	NEMA [†] Frame	Amps	Motor Type	Shaft N	Shaft U	Rotation Lead End	Length XI	Total C	Ship Wt. (lbs)	Notes
1/12	850	115	4740	\$143	48YZ	1.7	PSC	3.25	0.500	CW	5.81	9.06	10	
1/6	1650	115	4742	\$122	42YZ	2.7	PSC	3.25	0.500	CW	5.81	9.06	10	
	1100	115	1146	\$170	48YZ	2.2	PSC	3.00	0.500	CCW Rev	3.81	7.36	10	
1/3	1650	115	4745	\$167	48YZ	4.0	PSC	3.25	0.500	CW	6.06	9.31	14	
	1100	115	4746	\$176	48YZ	4.4	PSC	3.25	0.625	CW	5.81	9.06	17	
	1075	115	1145	\$185	48YZ	4.9	PSC	3.00	0.500	CCW Rev	4.81	7.81	15	
1/2	1650	115/230	4748	\$209	48YZ	8.0/4.0	PSC	3.25	0.625	CW	6.31	9.56	18	
	1100	115/230	4749	\$218	48Y	6.2/3.1	PSC	3.30	0.625	CW	6.60	9.90	20	
3/4	1100	115/230	4750	\$235	48YZ	10.0/5.0	PSC	3.25	0.625	CW	6.56	9.81	24	

Permanent Split Capacitor Ventilation Direct Drive Blower 5.6" and 6.3" Diameter, Totally Enclosed Air Over

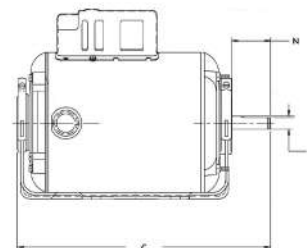


APPLICATIONS:

To meet manufacturer's requirements for direct drive ventilation units requiring a totally enclosed motor.

FEATURES:

- Continuous Duty
- 1/2" Diameter x 2-1/2" Diameter Shaft
- Reversible Rotation
- Studs For Mounting Fan Guard
- Terminal Board With Side Conduit Plug
- Automatic Thermal Protection
- Includes Capacitor Mounted With Cover
- **Discount Symbol: DS-3HAC**



HP	RPM/ Spds	Voltage	Catalog Number	List	NEMA [†] Frame	Amps	Eff.	SF	Bearings	Insul. Class	Total C	Ship Wt. (lbs)	Notes	OEM
1/4	1020	115	4153	\$224	48Y	4.5	Std	1.00	SAB	B	10.0	8.5		MQ
	1075/2	115	4812	\$227	48Z	3.3	Std	1.00	SAB	A	9.9	18		
	1725	115	6326	\$246	56Z	5.0	Std	1.00	Ball	A	9.8	18	94	
1/3	1075	115	4815	\$208	48Z	4.6	High	1.00	SAB	A	10.5	18		
	1725	115	8511	\$209	48Z	5.2	Std	1.00	Ball	B	10.2	15	94	
1/2	1075	115	4816	\$230	48Z	7	High	1.00	SAB	B	10.9	20		
	1725	115	6330	\$318	56	7.4	Std	1.00	Ball	A	10.3	23	94	
	1700	115/230	1850	\$295	48Y	5.0/2.5	High	1.00	Ball	B	10.9	25		

MQ = McQuay^{®†}

[†] All marks shown within this document are properties of their respective owners.

Split Phase Ventilation Direct Drive Blower 5.6" and 6.3" Diameter, Open Dripproof

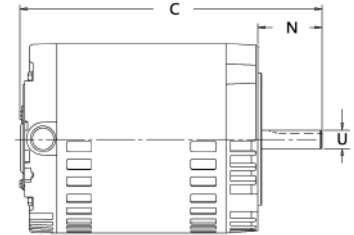


APPLICATIONS:

To meet manufacturer's requirements for use on direct drive ventilation units with a C-Face mount.

FEATURES:

- Continuous Duty
- Reversible Rotation
- Class B Insulation
- Threaded Conduit Hole
- Internal Conduit Box Opposite Shaft End
- Keyway On Shaft
- 6.3" Diameter Unless Noted
- **Discount Symbol: DS-3HAC**



Single Speed

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/3	850	115	1208	\$767	Ball	56CZ	9.0	2.3	0.625	Auto	12.7	1.35	40	

Two Speed

HP	RPM	Voltage	Catalog Number	List	Bearings	NEMA [†] Frame	Amps	Shaft N	Shaft U	Protector	Total C	SF	Ship Wt. (lbs)	Notes
1/4/1/12	1725/1140	115	1236	\$408	Ball	56CZ	4.6/2.4	2.3	0.625	Auto	10.9	1.35	17	H8
1/3/1/9	1725/1140	115	1847	\$443	Ball	56CZ	5.8/4.1	2.4	0.625	Auto	10.9	1.00	20	
1/2/1/6	1725/1140	115	1237	\$634	Ball	56CZ	8.2/4.1	2.3	0.625	Auto	11.0	1.25	22	H8

Note H8 5.6" Diameter

[†] All marks shown within this document are properties of their respective owners.



Ventilation Circulator Motor Yoke Mount Fan Motors



APPLICATIONS:

To meet manufacturer's requirements for air circulators where motor is mounted directly to fan column.

FEATURES:

- Continuous Duty
- PSC Models Include Capacitor Mounted With Cover
- Clockwise Drive End Rotation
- Automatic Reset Thermal Overload Protection
- Studs For Mounting Fan Guard
- 1.0 Service Factor Except Where Noted
- Terminal Board With Side Conduit Plug Unless Noted
- **Discount Symbol: DS-3HAC**

Yoke Mount, Welded Tab Fan Motors

HP	RPM/ Spds	Voltage	Frame	Catalog Number	List	Discount Symbol	Amps	Motor Type	Bearings	Enclosure	Ship Wt. (lbs)	Notes
1/4	1100/2	115	48Y	1931	\$384	DS-3HAC	3.0	PSC	SAB	TEAO	13	H27
	1075/2	115	48Y	1933	\$405	DS-3HAC	5.7	PSC	Ball	OAO	19	H27
	1075/2	115	48YZ	1917	\$415	DS-3HAC	4.2	PSC	Ball	TEAO	15	
1/3	1075/2	115	48YZ	1935	\$218	DS-3HAC	5.3	PSC	SAB	TEAO	20	
1/2	825/1	115	48YZ	1940	\$344	DS-3HAC	6.4	PSC	Ball	TEAO	25	H27
	1075/2	115	48Y	1838	\$456	DS-3HAC	5.8	PSC	Ball	TEAO	23	H27
	1075/2	115	48Y	1924	\$489	DS-3HAC	7.2	PSC	Ball	TEAO	23	
	1075/2	115	48YZ	1937	\$463	DS-3HAC	NULL	PSC	Ball	TEAO	18	H27

Painted Washdown Yoke Mount Fan Motors



FEATURES:

- Class F Insulation
- USDA^{®†} Approved Non-Toxic White Epoxy Paint
- V-Ring Rotating Lip Seal On Shaft End
- Automatic Reset Thermal Overload Protection
- Gasketed Conduit Box With NPT Lead Holes
- F1 Assembly Position
- Internal Corrosion Protection On Rotor, Stator, Winding and Frame
- Stationary Grease Seal On Shaft End
- **Discount Symbol: DS-3FMP**

Washdown Fan Motors

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Amps	Motor Type	Bearings	Enclosure	Ship Wt. (lbs)	Notes
1/4	1700	115/230	56YZ	WD14AA2PZ7	\$426	DS-3FMP	3.5/1.7	PSC	Ball	TEAO	19	
1/3	1700	115/230	56YZ	WD13AA2PZ7	\$448	DS-3FMP	4.9/2.5	PSC	Ball	TEAO	27	
1/2	1700	115/230	56YZ	WD12AA2PZ7	\$481	DS-3FMP	5.9/2.9	PSC	Ball	TEAO	30	

Note H27 Includes Cord and Pull Chain







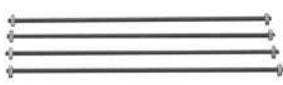


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Accessories

Provide maximum flexibility in applying standard replacement motors to various applications.

Discount Symbol: DS-3HAC

Kit Number	Description	Quantity Per Kit	List	Item
1	Shaft Conversion Set. Each set includes Qty. 1 shaft adapter and Qty. 1 key (converts 1/2" shaft to 5/8" shaft)	10 sets	\$11.00	
9	Steel Banded Hub Ring Set -- 2-1/4" diameter (2 per set)	1 set	\$5.00	
10	Steel Banded Hub Ring Set -- 2-1/2" diameter (2 per set)	1 set	\$5.00	
15	Rubber Hub Ring -- 2-1/2" diameter (2 per set)	1 set	\$5.00	
52	Base Clamp Mounting Hardware -- 2-1/2" diameter. Each set includes all hardware necessary to mount base to one motor	6 sets	\$20.00	
13	Belly Band Mount adjustable ear mount for 5.0" and 5.6" diameter motor (expanding ring type)	1 mount	\$16.00	
25	Belly Band Mount adjustable ear mount for 5.6" diameter motor (double wire type)	1 mount	\$20.00	
55	One kit equals Qty. 1 carton of Qty. 144 studs & Qty. 288 nuts. For resale convenience we have packaged Qty. 12 studs and Qty. 24 nuts in a plastic bag, Qty. 12 bags to each carton. Price is for complete carton. 8-1/2" long 8x32 thread stator studs and nuts.	12 bags, with 12 studs and 24 nuts in each bag	\$25.00	
16	Direct Drive Blower Mounting Ring Set - double wire type. Each set includes motor support ring & Qty. 3 rubber mounting bushings with sleeves and mounting screws. For 5.0" diameter motor -- 9-9/32" blower mount diameter.	1 set	\$21.00	
17	For 5.6" diameter motor through 10" blower mount diameter.	1 set	\$21.00	
21	Shaft grounding ring for 5/8" shaft, 56 frame Varitough® motors plus new bearing cap and rain shield to install after the grounding ring is put in place.	1 set	\$94.00	

† All marks shown within this document are properties of their respective owners.



Accessories

Provide maximum flexibility in applying standard replacement motors to various applications.

Discount Symbol: DS-3HAC

Kit Number	Description	Quantity Per Kit	List	Item
43	Direct Drive Belly Band Blower Mounting Ring Set – E-Band - Torsion Type. Each set includes motor support ring with welded ears. Mounting ears have dual mounting holes to fit either blower mount diameter. For 5.0" diameter motor -- 9" or 10" blower mount diameter.	1 mount	\$12.00	
44	For 5.6" diameter motor through 9" or 10" blower mount diameter.	1 mount	\$14.00	
27	Hub Length Adapter Set - Each set includes Qty. 2 2-1/4" resilient mounting rings and Qty. 4 metal outer rings to convert to 2-1/2" rings (Fits 5.0" and 5-5/8" diameter motors). Also includes 10-32 studs for adaptation to 21 Frame and 8-32 studs for 5.0" and 5.6" Frame. screws for extended studs for 5.0" and 5.6" Frame.	1 set	\$18.00	
26	Drip Shield for Condenser Fan Motors - 6-3/8" diameter with 1/2" diameter shaft hole for NEMA [®] 42, 48 or 56Z frame motors.	1 shield	\$10.00	
28	Drip Shield for Condenser Fan Motors - 6-3/8" diameter with 5/8" diameter shaft hole for NEMA [®] 42, 48 or 56Z frame motors.	1 shield	\$10.00	

Resilient Base Cradle Kits for PSC & Shaded Pole Motors

Refer to XD dimension on catalog pages to determine base length required. Each kit includes one cradle base, 2 base clamp assemblies and 2 hub rings, unless otherwise noted.



Kit Number	Shaft Height	Hub to Hub (XD Length)	Hub Ring Diameter	List
46	2-5/8"	4-1/4"	2-1/4"	\$14
35	2-5/8"	4-1/4"	2-1/2"	\$14
3	3"	4-1/8"	2-1/2"	\$14
30	3"	4-3/8"	2-1/2"	\$14
7	3"	4-5/8"	2-1/2"	\$14
4	3"	4-7/8"	2-1/2"	\$14
19*	3"	5-1/8"	2-1/2"	\$10
32	3"	5-3/8"	2-1/2"	\$14
38	3"	6-1/2"	2-1/2"	\$14
5	3-1/2"	4-1/8"	2-1/2"	\$14
31	3-1/2"	4-3/8"	2-1/2"	\$14
6	3-1/2"	4-7/8"	2-1/2"	\$14
20	3-1/2"	5-1/8"	2-1/2"	\$10
34	3-1/2"	5-3/8"	2-1/2"	\$14
37	3-1/2"	6-1/2"	2-1/2"	\$14
12	3-1/2"	7"	2-1/2"	\$11
51	3-1/2"	7-1/2"	2-1/2"	\$12

* No Hub Rings

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The Difference is **U.S. MOTORS®**

Pumping 200,000 gallons per minute.
24/7 operations.

Pushing your facility to capacity.

Reliability is key in the Water/Wastewater industry. You don't need unexpected downtime added to your list of challenges.

U.S. MOTORS® brand vertical motors are made for the demands you face every day. Rigid quality, engineering and manufacturing standards, both in our plants and in those of our suppliers, result in a motor tailored to provide unstoppable performance in water/wastewater applications. And, you can enjoy peace of mind knowing support after the sale will ensure you receive the utmost in product reliability.

For more information about Nidec Motor Corporation or the U.S. MOTORS Vertical HOLLOSHAFT® motors, visit www.nidec-motor.com or www.usmotors.com. Better yet, give us a call at 877-532-8988.

Moving the Water/Wastewater industry forward with leading-edge motor technologies.



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Washdown

For use in food, beverage or chemical processing plants in which the motor is routinely exposed to high-pressure washdowns, high humidity or caustic chemicals.



Horsepower:

- Stainless Steel: 1/2 HP to 2 HP
- Paint Free: 1/2 HP to 10 HP
- Painted: 1/4 HP to 10 HP

Phase: Single and Three Phase

RPM: 1200, 1800 or 3600

Voltage:

- Single Phase: 115/208-230 volts
- Three Phase: 208/230 and 208-230/460 volts

Efficiency: Premium Efficient & Energy Efficient options

Mounting Options: Rigid Base, C-Face Footed, C-Face Footless or Yoke Mount

Enclosure:

- Totally Enclosed Fan Cooled
- Totally Enclosed Non-Ventilated

Construction:

- All: Internal corrosion protection
- Stainless Steel: 300 Series stainless steel on all external components
- Paint Free: Stainless steel frame, aluminum end shields
- Painted: Steel frame with aluminum or cast iron end shields with white epoxy paint

Shaft: 303 Stainless Steel

Seals: VBX[†] bearing isolators by Inpro/Seal[†] on all stainless steel and paint free motors. Lip seals and rotating shaft seals on painted motors.

Drains: Stainless steel T-type drains on paint-free, stainless steel, and 140 & below frame size painted motors

Nameplate: Laser etched on stainless steel frames. Stainless steel on painted frames



Setting the Standard

Each U.S. MOTORS[®] brand washdown motor includes VBX[†] bearing isolators by Inpro/Seal[†], which protect against water and contaminants. Stainless steel “T”-drains allow condensation to drain from any mounted position without having to remove or rotate any drain plugs. Nitrile conduit box gasket with the lead exit hole Loctite[†] sealed, allows the conduit box to be rotated 180 degrees without breaking the Loctite[†] seal, and assists in preventing water from entering the motor through the conduit box.

U.S. MOTORS[®] brand washdown motors provide durability and flexibility to maximize uptime that will reduce operating costs. Lab and site tested, our paint free and stainless steel washdown motors set the standard on reliability.

[†] All marks shown within this document are properties of their respective owners.

Painted Washdown Three Phase, Totally Enclosed



APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- BISSC^{®†} Certified, Smooth Design For Easy Cleaning
- USDA^{®†} Approved Non-Toxic White Epoxy Paint
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- V-Ring Rotating Shaft Seals
- Full 50 & 60 Hertz Operating Data On Nameplate (180-210 Frame)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power, Except WD3E2D14 (Design C)
- Removable Drain Plugs (180 & 210 Frames)
- Double Contact Sealed Ball Bearings
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Double Dip & Bake On Winding
- 303 Stainless Steel Shaft, F1 Assembly Position
- Stainless Steel Nameplate
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-Type Drains (56 & 140 Frame)

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800	208-230/460	56	WD13S2A	\$440	DS-3F	1.35	10.8	26	-	1.9-1.8/0.9	28, NNP
1/2	1800	208-230/460	56	WD12S2A	\$572	DS-3F	1.15	10.8	26	80.0	1.9-1.8/0.9	28, NNP
3/4	1800	208-230/460	56	WD34S2A	\$600	DS-3F	1.15	11.8	27	82.5	2.6-2.4/1.2	28, NNP
	1200	208-230/460	143T	WD34S3A14	\$744	DS-3F	1.15	13.8	32	78.0	3.1-3.2/1.6	NNP
1	1800	208-230/460	143T	WD1P2A14	\$959	DS-3XE	1.15	14.3	35	85.5	3.3-3.3/1.6	
	1800	208-230/460	56	WD1E2A	\$641	DS-3F	1.15	12.3	26	82.5	3.4-3.3/1.7	28, NNP
	1200	208-230/460	145T	WD1P3A	\$945	DS-3XE	1.15	15.8	48	82.5	3.8-3.8/1.9	
1 1/2	1800	208-230/460	145T	WD32P2A14	\$1069	DS-3XE	1.00	14.8	36	86.5	4.8-4.6/2.3	
	1800	208-230/460	56H	WD32S2AH	\$688	DS-3F	1.00	13.8	38	87.5	4.6-4.4/2.2	28, NNP
2	1800	208-230/460	145T	WD2P2A14	\$1,300	DS-3XE	1.00	14.8	26	86.5	6.2-6.0/3.0	
	1800	208-230/460	145T	WD2P2A143	\$1,300	DS-3XE	1.15	14.8	26	86.5	6.2-6.0/3.0	
3	1800	208-230/460	145T	WD3E2D14	\$1,442	DS-3F	1.00	15.8	26	87.5	9.5-9.2/4.6	96, NNP
	1800	208-230/460	182T	WD3P2D	\$1,500	DS-3XE	1.15	15.8	55	89.5	8.2-7.6/3.8	03
5	1800	208-230/460	184T	WD5P2D	\$1,564	DS-3XE	1.15	15.8	76	89.5	13.5-12.5/6.2	03
7 1/2	1800	208-230/460	213T	WD7P2D	\$2,213	DS-3XE	1.15	18.3	117	91.7	20-18.2/9.1	03
10	1800	208-230/460	215T	WD10P2D	\$2,394	DS-3XE	1.15	19.3	125	91.7	26.5-23.9/11.9	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 28 TENV Enclosure

Note 96 Feather Picker Features

Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



Painted Washdown Three Phase, Totally Enclosed



The Slicker™

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- BISSC®† Certified, Smooth Design For Easy Cleaning
- USDA®† Approved Non-Toxic White Epoxy Paint
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- V-Ring Rotating Shaft Seals
- Full 50 & 60 Hertz Operating Data On Nameplate (180-210 Frame)
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Removable Drain Plugs (180 & 210 Frames)
- Double Contact Sealed Ball Bearings
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Double Dip & Bake On Winding
- 303 Stainless Steel Shaft, F1 Assembly Position
- Stainless Steel Nameplate
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-Type Drains (56 & 140 Frame)

C-Face Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	3600	208-230/460	56C	WD12S1AC	\$521	DS-3F	1.15	11.8	32	75.5	1.8-1.6/0.8	28
	1800	208-230/460	56C	WD12S2AC	\$600	DS-3F	1.15	11.3	26	82.5	1.9-1.8/0.9	28
3/4	3600	208-230/460	56C	WD34S1AC	\$588	DS-3F	1.15	11.8	32	75.5	2.4-2.2/1.1	28
	1800	208-230/460	56C	WD34S2AC	\$695	DS-3F	1.15	12.3	26	82.1	2.6-2.4/1.2	28
1	3600	208-230/460	56C	WD1E1AC	\$695	DS-3F	1.15	12.3	32	75.5	3.4-3.2/1.6	28
	1800	208-230/460	143TC	WD1S2A14C	\$781	DS-3F	1.15	12.8	26	77.4	3.4-3.3/1.7	28
	1800	208-230/460	56C	WD1S2AC	\$725	DS-3F	1.15	12.8	26	77.4	3.4-3.3/1.7	28
1 1/2	3600	208-230/460	56C	WD32S1AC	\$761	DS-3F	1.15	12.8	32	-	4.3-4.1/2.1	28
	1800	208-230/460	145TC	WD32E2A14C	\$815	DS-3F	1.00	14.3	26	84.0	4.6-4.4/2.2	28
	1800	208-230/460	56HC	WD32S2AHC	\$753	DS-3F	1.00	14.3	26	84.0	4.6-4.4/2.2	28
2	3600	208-230/440	56HC	WD2S1AHC	\$843	DS-3F	1.15	13.3	32	80.0	6.0-5.4/2.7	
	3600	208-230/460	145TC	WD2P1A14C	\$780	DS-3XE	1.15	13.9	35	85.5	5.4-4.9/2.5	
	1800	208-230/460	145TC	WD2P2A14C	\$1,206	DS-3XE	1.00	14.9	48	86.5	6.2-6.0/3.0	
	1800	208-230/460	56HC	WD2S2AHC	\$826	DS-3F	1.00	14.4	26	84.0	6.0-5.9/3.0	
3	3600	208-230/460	145TC	WD3P1A14C	\$1,229	DS-3XE	1.15	14.4	76	86.5	8.1-7.2/3.6	14
	1800	208-230/460	182TC	WD3P2DC	\$1,477	DS-3XE	1.15	16.8	58	89.5	8.2-7.6/3.8	03
5	1800	208-230/460	184TC	WD5P2DC	\$1,581	DS-3XE	1.15	16.8	87	89.5	13.5-12.5/6.2	03
7 1/2	1800	208-230/460	213TC	WD7P2DC	\$1,961	DS-3XE	1.15	19.4	140	91.7	20-18.2/9.1	03
10	1800	208-230/460	215TC	WD10P2DC	\$2,038	DS-3XE	1.15	20.4	128	91.7	26.5-23.9/11.9	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 14 NEMA®† Design A

Note 28 TENV Enclosure

† All marks shown within this document are properties of their respective owners.



HURST
MOTORS AND
GEARING

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Painted Washdown Three Phase, Totally Enclosed



The Slicker™

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- BISSC^{®†} Certified, Smooth Design For Easy Cleaning
- USDA^{®†} Approved Non-Toxic White Epoxy Paint
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- V-Ring Rotating Shaft Seals
- Full 50 & 60 Hertz Operating Data On Nameplate (180-210 Frame)
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- Removable Drain Plugs (180 & 210 Frames)
- Double Contact Sealed Ball Bearings
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Double Dip & Bake On Winding
- 303 Stainless Steel Shaft, F1 Assembly Position
- Stainless Steel Nameplate
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-Type Drains (56 & 140 Frame)

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/3	1800	208-230/460	56C	WD13S2ACR	\$540	DS-3F	1.35	11.3	26	80.0	1.9-1.8/0.9	28,NNP
1/2	1800	208-230/460	56C	WD12S2ACR	\$596	DS-3F	1.15	11.3	26	-	1.9-1.8/0.9	28,NNP
3/4	1800	208-230/460	56C	WD34S2ACR	\$689	DS-3F	1.15	12.3	26	82.5	2.6-2.4/1.2	28,NNP
1	3600	208-230/460	56C	WD1S1ACR	\$590	DS-3F	1.15	12.3	32	-	3.4-3.2/1.6	28,NNP
	1800	208-230/460	143TC	WD1E2A14CR	\$722	DS-3F	1.15	12.8	26	82.5	3.4-3.3/1.7	28,NNP
	1800	208-230/460	56C	WD1E2ACR	\$722	DS-3F	1.15	12.8	26	82.5	3.4-3.3/1.7	28,NNP
1 1/2	3600	208-230/460	56C	WD32E1ACR	\$770	DS-3F	1.15	12.8	32	82.5	4.3-4.1/2.1	28,NNP
	1800	208-230/460	56C	WD32S2ACR	\$751	DS-3F	1.00	14.4	26	87.5	4.6-4.4/2.2	28,NNP
	1800	208-230/460	145TC	WD32S2A14CR	\$751	DS-3F	1.00	14.4	26	80.0	4.6-4.4/2.2	28,NNP
2	3600	208-230/460	56C	WD2S1ACR	\$964	DS-3F	1.15	13.4	32	80.0	6.0-5.4/2.7	NNP
	1800	208-230/460	145C	WD2E2A14CR	\$857	DS-3F	1.00	14.4	26	84.0	6-5.9/3	NNP
	1800	208-230/460	145TC	WD2P2A14CR	\$1,287	DS-3F	1.00	14.9	26	86.5	6.2-6.0/3.0	
	1800	208-230/460	56C	WD2S2ACR	\$857	DS-3F	1.00	14.4	26	84.0	6.2-6.0/3.0	NNP
3	3600	208-230/460	56C	WD3S1ACR	\$1,030	DS-3F	1.15	14.4	32	85.5	8.8-7.3/3.6	NNP
	1800	208-230/460	182TC	WD3E2DCR	\$1,110	DS-3FTE	1.15	16.8	78	87.5	8.5-7.9/3.9	NNP
	1800	208-230/460	182TC	WD3P2DCR	\$1,477	DS-3XE	1.15	16.8	58	89.5	8.2-7.6/3.8	03
5	1800	208-230/460	184TC	WD5E2DCR	\$1,256	DS-3FTE	1.15	16.8	94	87.5	14-12.6/6.3	NNP
	1800	208-230/460	184TC	WD5P2DCR	\$1,581	DS-3XE	1.15	16.8	87	89.5	13.5-12.5/6.2	03
7 1/2	1800	208-230/460	213TC	WD7E2DCR	\$1,595	DS-3FTE	1.15	19.4	115	89.5	20.1-18.3/9.1	NNP
	1800	208-230/460	213TC	WD7P2DCR	\$1,961	DS-3XE	1.15	19.4	117	91.7	20-18.2/9.1	03
10	1800	208-230/460	215TC	WD10E2DCR	\$1,766	DS-3FTE	1.15	20.4	125	89.5	26.6-23.8/11.9	NNP
	1800	208-230/460	215TC	WD10P2DCR	\$2,038	DS-3XE	1.15	20.4	128	91.7	26.5-23.9/11.9	03

Note 03 60/50 Hertz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 28 TENV Enclosure
 Note NNP Non-NEMA^{®†} Premium Rating

† All marks shown within this document are properties of their respective owners.



Paint Free Washdown Three Phase, Totally Enclosed, C-Face



APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- INVERTER GRADE[®] Insulation System (Meets NEMA[®] MG-1 Part 31)
- BISSC[®] Certified
- VBX[®] Bearing Isolators By Inpro/Seal On Drive End (Both Ends On 180-210 Frame)
- 303 Stainless Steel Shaft
- Multiple Stainless Steel T-type drains
- Double Contact Sealed Ball Bearings
- Laser-Etched Oversized Nameplate
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- RTV-Sealed Lead Exit
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- Stainless Steel Frame
- Easy to Read Connection Leads
- Rust Inhibitor on Rotor
- 40°C Ambient, NEMA[®] Design B

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56HC	WDP12S2AHC	\$774	DS-3PF	1.15	12.2	36	78.5	2.0-1.9/0.9	28
3/4	1800	208-230/460	56HC	WDP34S2AHC	\$895	DS-3PF	1.15	12.2	31	80.0	2.8-2.7/1.3	28
1	1800	208-230/460	145TC	WDP1S2AC	\$926	DS-3PF	1.15	13.8	44	85.5	3.5-3.4/1.7	28
	1800	208-230/460	56HC	WDP1S2AHC	\$926	DS-3PF	1.15	13.7	44	85.5	3.5-3.4/1.7	28
1 1/2	1800	208-230/460	145TC	WDP32S2AC	\$967	DS-3PF	1.00	13.8	52	87.5	4.9-4.8/2.4	28
	1800	208-230/460	56HC	WDP32S2AHC	\$967	DS-3PF	1.00	13.7	52	87.5	4.9-4.8/2.4	28
2	1800	208-230/460	145TC	WDP2P2AC	\$1,421	DS-3PF	1.00	14.9	51	86.5	6.2-6.0/3.0	
	1800	208-230/460	56HC	WDP2S2AHC	\$1,194	DS-3PF	1.15	14.0	52	82.5	7.0-7.0/3.5	
3	1800	208-230/460	182TC	WDP3P2AC	\$1,932	DS-3PF	1.15	18.5	55	89.5	8.3-7.6/3.8	
5	1800	208-230/460	184TC	WDP5P2AC	\$2,132	DS-3PF	1.15	18.5	76	89.5	13.6-12.3/6.1	
7 1/2	1800	208-230/460	213TC	WDP7P2AC	\$2,568	DS-3PF	1.15	21.2	117	91.7	19.9-18.1/9	
10	1800	208-230/460	215TC	WDP10P2AC	\$2,737	DS-3PF	1.15	21.2	125	91.7	26.5-23.8/11.9	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56C	WDP12S2ACR	\$766	DS-3PF	1.15	12.2	31	78.5	2.0-1.9/0.9	28,NNP
	1200	208-230/460	56C	WDP12S3DCR	\$784	DS-3PF	1.15	12.2	32	82.5	2.2-2.2/1.1	28,NNP
3/4	1800	208-230/460	56C	WDP34S2ACR	\$887	DS-3PF	1.15	12.2	51	80.0	2.8-2.7/1.3	28,NNP
1	1800	208-230/460	145TC	WDP1S2ACR	\$918	DS-3PF	1.15	13.8	43	85.5	3.5-3.4/1.7	28,NNP
	1800	208-230/460	56C	WDP1S2AFCR	\$918	DS-3PF	1.15	13.7	38	85.5	3.5-3.4/1.7	28,NNP
	1200	208-230/460	56C	WDP1S3DCR	\$964	DS-3PF	1.15	13.8	32	85.5	4.7-4.8/2.4	28,NNP
1 1/2	1800	208-230/460	145TC	WDP32S2ACR	\$960	DS-3PF	1.00	13.8	51	87.5	4.9-4.8/2.4	28,NNP
	1800	208-230/460	56C	WDP32S2AFCR	\$960	DS-3PF	1.00	14.3	33	87.5	4.9-4.8/2.4	28,NNP
2	1800	208-230/460	145TC	WDP2E2ACR	\$1,096	DS-3PF	1.15	14.9	51	84.0	7.0-7.0/3.5	NNP
	1800	208-230/460	145TC	WDP2P2ACR	\$1,490	DS-3PF	1.00	14.5	51	86.5	6.2-6.0/3.0	
	1800	208-230/460	145TC	WDP2S2ACR	\$1,096	DS-3PF	1.15	14.1	51	84.0	7.0-7.0/3.5	28,NNP
	1800	208-230/460	56C	WDP2S2AFCR	\$1,096	DS-3PF	1.15	14.0	51	82.5	7.0-7.0/3.5	28,NNP

Note 28 TENV Enclosure
 Note NNP Non-NEMA[®] Premium Rating

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HURST
MOTORS AND
GEARING

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

All Stainless Steel Washdown Three Phase Totally Enclosed, C-Face



The Silver
Bullet

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- All Stainless Steel External Construction
- 40°C Ambient, NEMA^{®†} Design B
- INVERTER GRADE[®] Insulation System (Meets NEMA^{®†} MG-1 Part 31)
- 303 Stainless Steel Shaft
- Multiple Stainless Steel T-type Drains
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Rust Inhibitor on Rotor
- BISSC^{®†} Certified
- VBX^{®†} Bearing Isolators by Inpro/Seal On Drive End
- Double Sealed Ball Bearings
- Laser-Etched Oversized Nameplate
- RTV-Sealed Lead Exit Holes
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- Easy to Read Connection Leads

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56HC	WDS12S2AHC	\$1,435	DS-3PF	1.15	11.9	34	78.5	1.8-1.9/1	28
3/4	1800	208-230/460	56HC	WDS34S2AHC	\$1,484	DS-3PF	1.15	11.9	38	82.5	2.4-2.4/1.2	28
1	1800	208-230/460	143TC	WDS1E2AC	\$1,525	DS-3PF	1.15	11.9	39	85.5	3.1-2.9/1.4	28
	1800	208-230/460	56HC	WDS1S2AHC	\$1,525	DS-3PF	1.15	11.9	39	85.5	3.1-2.9/1.4	28
1 1/2	1800	208-230/460	145TC	WDS32P2AC	\$2,032	DS-3PF	1.15	13.2	46	86.5	4.3-4.1/2.1	
	1800	208-230/460	145TC	WDS2P2AC	\$2,145	DS-3PF	1.15	13.2	46	86.5	5.7-5.4/2.7	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	1800	208-230/460	56C	WDS12S2ACR	\$1,403	DS-3PF	1.15	11.9	37	78.5	1.8-1.9/1	28
3/4	1800	208-230/460	56C	WDS34S2ACR	\$1,444	DS-3PF	1.15	11.9	41	82.5	2.4-2.4/1.2	28
1	1800	208-230/460	143TC	WDS1S2ACR	\$1,492	DS-3PF	1.15	11.9	42	85.5	3.1-2.9/1.4	28
	1800	208-230/460	56C	WDS1S2AFCR	\$1,492	DS-3PF	1.15	11.9	42	85.5	3.1-2.9/1.4	28
1 1/2	1800	208-230/460	145TC	WDS32P2ACR	\$1,989	DS-3PF	1.15	13.2	47	86.5	4.3-4.1/2.1	
	1800	208-230/460	145TC	WDS32S2ACR	\$1,525	DS-3PF	1.15	13.2	46	86.5	4.3-4.1/2.1	
	1800	208-230/460	56C	WDS32S2AFCR	\$1,525	DS-3PF	1.15	13.2	49	86.5	4.3-4.1/2.1	
2	1800	208-230/460	145TC	WDS2P2ACR	\$2,102	DS-3PF	1.15	13.2	47	86.5	5.7-5.4/2.7	
	1800	208-230/460	145TC	WDS2S2ACR	\$1,854	DS-3PF	1.15	13.2	50	86.5	5.7-5.4/2.7	
	1800	208-230/460	56C	WDS2S2AFCR	\$1,854	DS-3PF	1.15	13.2	52	86.5	5.7-5.4/2.7	



Note 28 TENV Enclosure

† All marks shown within this document are properties of their respective owners.



Painted Washdown Single Phase, Totally Enclosed, C-Face



The Slicker™

APPLICATIONS:

Suitable for food processors, canners, meat packers, bakeries, dairies, drug and cosmetic manufacturers for sanitary, easily cleaned motors.

FEATURES:

- Class F Insulation
- BISSC^{®†} Certified, Smooth Design For Easy Cleaning
- USDA^{®†} Approved Non-Toxic White Epoxy Paint
- V-Ring Rotating Lip Seal On Shaft End
- F1 Assembly Position
- Double Contact Sealed Ball Bearings
- Reversible Rotation
- Internal Corrosion Protection On Rotor, Stator, Winding & Frame
- Stationary Grease Seal On Both Ends
- 303 Stainless Steel Shaft
- Moisture Resistant Gasketed Conduit Box With NPT Lead Holes
- Totally Enclosed Fan Cooled (TEFC) Except Where Noted
- Multiple Stainless Steel T-type Drains
- Automatic Reset Thermal Overload Protector on Yoke Mount Fan Motors

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/208-230	56C	WD12C1JC	\$523	DS-3SP	1.15	11.8	32	7.3/3.9-3.7	28
	1800	115/208-230	56C	WD12C2JC	\$537	DS-3SP	1.15	12.8	26	9.5/4.6-4.8	25
3/4	3600	115/208-230	56C	WD34C1JC	\$538	DS-3SP	1.15	12.3	30	9.7/5.3-4.9	28
	1800	115/208-230	56C	WD34C2JC	\$611	DS-3SP	1.15	13.3	32	12.8/6.4-6.5	
1	3600	115/208-230	56C	WD1C1JC	\$583	DS-3SP	1.15	13.3	32	13.6/6.9-6.8	
	1800	115/208-230	56HC	WD1C2JHC	\$702	DS-3SP	1.15	13.8	28	15.4/7.8-7.6	
1 1/2	3600	115/208-230	56HC	WD32C1JHC	\$768	DS-3SP	1.15	13.8	28	14.6/8.1-7.4	
	1800	115/208-230	56HC	WD32C2JHC	\$896	DS-3SP	1.15	15.3	32	14.4/8.0-7.2	CSCR
2	1800	115/230	56HC	WD2C2PHC	\$1,052	DS-3SP	1.15	15.3	48	19.6/9.8	

Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/208-230	56C	WD12C1JCR	\$576	DS-3SP	1.15	11.8	32	7.3/3.9-3.7	28
	1800	115/208-230	56C	WD12C2JCR	\$663	DS-3SP	1.15	12.8	32	8.8/4.3-4.4	28
3/4	1800	115/208-230	56C	WD34C2JCR	\$748	DS-3SP	1.15	13.8	41	7.8/4.3-3.9	CSCR,28
1	3600	115/208-230	56C	WD1C1JCR	\$672	DS-3SP	1.15	13.8	34	9.9/5.8-5.3	CSCR,28
	1800	115/208-230	56C	WD1C2JCR	\$848	DS-3SP	1.00	14.3	24	10.3/5.5-5.2	CSCR
2	1800	115/230	56C	WD2C2JCR	\$1,059	DS-3SP	1.15	15.3	48	19.6/9.8	CSCR

Permanent Split Capacitor, Yoke Mount, Non-Oscillating Totally Enclosed Air Over (TEAO) Fan Motors

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	115/230	56YZ	WD14AA2PZ7	\$426	DS-3FMP	1.00	10.9	19	3.5/1.7	24
1/3	1800	115/230	56YZ	WD13AA2PZ7	\$448	DS-3FMP	1.00	10.9	16	4.9/2.5	24
1/2	1800	115/230	56YZ	WD12AA2PZ7	\$481	DS-3FMP	1.00	11.9	32	5.9/2.9	24

Note 24 Automatic Reset Thermal Protector Overload
 Note 25 Non-protected
 Note 28 TENV Enclosure
 Note CSCR Capacitor Start /Capacitor Run

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The Difference is **U.S. MOTORS®**

Crops are planted.
There's a high yield in your forecast.
Will your pump motor survive?

An irrigation pump motor that fails spells trouble. But, if the motor driving your system is a U.S. MOTORS® brand Vertical HOLLOSHAFT® you can count on unstoppable performance.

More than four generations of farmers have preferred the U.S. MOTORS brand. Our motors are recognized for their longevity, reliability and ease of use. A variety of options allow for unique configurations tailored to your specific requirements, including a comprehensive range of enclosures designed to minimize the effects of adverse external conditions.

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Agriculture

For use in farm & agriculture duty applications.



Horsepower: 1/4 – 30 HP

Phase: Single and Three Phase

RPM: 3600 or 1800 RPM

Voltage:

- Single Phase, 115, 115/230, or 230 Volts, 60 Hz
- Three Phase, 230/460 Volts, 60 Hz

Enclosure: Totally Enclosed, Air Over (TEAO) & Totally Enclosed, Fan Cooled (TEFC) Options

Construction: Rolled steel or aluminum frame

Conduit Box: Varies based on motor size and end use design

Bearings: Ball bearings

Grease: Mobil 28[®]† Low Temperature Grease Standard in High Torque and Ultra High Torque Agri Duty motors

Temp Rise: Ambient 40°C

Thermal Overload:

- High Torque and Ultra High Torque available with manual reset overload protectors
- Motors available with automatic reset overload protectors or thermostats



When it comes to motors for farm, dairy, agricultural, horticultural and aquacultural duty applications, there's only one brand you need to know: U.S. MOTORS[®] brand.

Our motors are built for performance, efficiency and longevity — three benefits that you require from your motors. U.S. MOTORS[®] brand offers one of the broadest selections of ag duty motors in the industry...motors for virtually any agricultural application including:

Bin Loading and Unloading Systems:
Center drive auger
Top drive auger
Horizontal power head
Bucket elevators

Grain Aeration and Conditioning:
Vane axial fans
Centrifugal fans
Inline centrifugal fans
Heaters

Material Handling:
Chain conveyors
Bucket elevators
Drag conveyors
Pit conveyors

Ventilation:
Poultry house vent fans
Pit vent fans
Livestock house fans
Greenhouses
Direct and belt drive fans
Curtain motors
Hatcher and setter motors
Crop dryers

Feed Delivery Systems:
Poultry
Swine
Cattle

Additional Applications:
Agitators
Compressors
Hay hoists
Barn cleaners
Silo unloaders
Irrigation pumps
Transfer pumps
Pressure washers
Center pivot gear motors

† All marks shown within this document are properties of their respective owners.

Special Application Agriculture Single Phase, Totally Enclosed Fan Cooled (TEFC), Ultra High Torque, Capacitor Start



APPLICATIONS:

For powering agitators, augers, compressors, conveyors, feeders and hay hoists. High torque motors are used on barn cleaners, manure pumps and silo unloaders.

FEATURES:

- Class F Insulation
- 40°C Ambient, Continuous Duty
- Typical Starting Torque 300% Of Full Load
- F1 Assembly
- Extruded Aluminum Frame (180-210 Frame)
- Manual Reset Thermal Overload Protector
- Plastic Fan & Fan Cover
- Double Shielded Bearings w/Low-Temp Grease (Regreasable Shaft End)
- Removable Condensation Drains For Vertical Mounting
- Fully Gasketed Steel Conduit Box
- Die Cast Aluminum Brackets With Steel Bearing Inserts

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1 1/2	1800	115/230	143T	FDU32CM2P14	\$521	DS-3SP	1.15	14.8	47	19.2/10.1	23
2	1800	115/230	182TZ	FDU2CM2P18Z	\$823	DS-3SP	1.15	16.8	66	25.6/12.8	23
3	1800	230	184T	FDU3CM2K18	\$1,101	DS-3SP	1.15	18.8	80	17.0	23
5	1800	230	184T	FDU5CM2K18	\$1,378	DS-3SP	1.15	18.8	80	24.0	23
	1800	230	215TZ	FDU5CM2K21Z	\$1,524	DS-3SP	1.15	20.1	142	29.0	23
7 1/2	1800	230	215TZ	FDU7CM2K21Z	\$2,044	DS-3SP	1.15	21.4	150	30.0	23
10	1800	230	215T	FDU10CM2K21	\$2,511	DS-3SP	1.15	21.4	153	41.0	23
	1800	230	215T	FDU10CM2K21	\$2,511	DS-3SP	1.15	21.3	153	41.0	23

C-Face

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3	1800	208/230	184TC	FDU3CM2K18C	\$1,262	DS-3SP	1.15	18.7	78	16.4/17.0	23
5	1800	208/230	184TC	FDU5CM2K18C	\$1,587	DS-3SP	1.15	18.7	100	22.2/24.0	23
7 1/2	1800	230	215TC	FDU7CM2K21C	\$2,349	DS-3SP	1.15	21.3	150	30.0	23
10	1800	230	215TC	FDU10CM2K21C	\$2,887	DS-3SP	1.15	21.3	215	41.2	23

Note 23 Manual Reset Thermal Protector Overload

† All marks shown within this document are properties of their respective owners.



Special Application Air Compressor Single Phase, Open Dripproof (ODP)



APPLICATIONS:

For belt drive air compressor duty high breakdown torque.

FEATURES:

- Rigid Welded Base
- Continuous Duty
- Manual Reset Thermal Overload Protector
- ODP Enclosure
- Class B Insulation
- 40°C Ambient
- Ball Bearings
- Rotation - CCW Facing Shaft End, Non-Reversible

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1	3600	115/230	56	3763	\$361	DS-3F	1.00	11.4	24	15.0/7.5	
2	3600	115/230	56	3768	\$655	DS-3F	1.00	11.9	28	15.0/7.5	
3	3600	208-230	56	3769	\$711	DS-3F	1.00	12.4	32	15.3/15.0	
5	3600	208-230	56HZ	D5CM1K14	\$866	DS-3F	1.00	14.4	43	22.5-22.0	
	1800	230	184T	D5C2K	\$821	DS-3SP	1.15	16.3	75	23.5	25
7 1/2	3600	230	184T	D7C1K	\$969	DS-3SP	1.15	16.3	80	30.0	25

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC)



APPLICATIONS:

For use on pumps, fans, compressors, material handling, and other general purpose applications in damp, dusty or dirty environments.

FEATURES:

- WORLDMOTOR® Features Except Where Noted
- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- "CE" Mark On Nameplate
- Shaft Slinger On Pulley End
- Full 50 & 60 Hertz Operating Data On Nameplate (03)
- Full HP @ 50 Hertz
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Sealed Bearings (140 Frame); Double Shielded Bearings (180 Frame and Up)
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- Suitable For Wye-Delta Start 250 Frame & Larger
- Conversion Kits: C&D Flanges, Drip Cover and Brakes

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Full Load Amps	Notes
1	1800	230/460	143T	U1P2D	\$423	DS-3RST	1.25	12.8	30	85.5	3.1-3/1.5	03
1-1/2	1800	230/460	145T	U32P2D	\$469	DS-3RST	1.25	12.8	40	86.5	4.5-4.3/2.1	03
2	1800	230/460	145T	U2P2D	\$514	DS-3RST	1.25	12.8	45	86.5	5.9-5.7/2.8	03
3	1800	230/460	182T	U3P2D	\$678	DS-3AL	1.25	16.5	60	89.5	8.4-7.8/3.9	
5	1800	230/460	184T	U5P2D	\$788	DS-3AL	1.25	17.3	70	90.2	13.6-12.3/6.2	
7-1/2	1800	230/460	213T	U7P2D	\$1,078	DS-3AL	1.25	18.6	125	91.7	20-18.2/9.1	
10	1800	230/460	215T	U10P2D	\$1,302	DS-3AL	1.25	20.1	133	91.7	26.5-23.9/12	
15	1800	230/460	254T	U15P2D	\$1,798	DS-3AL	1.25	24.4	240	92.4	40-37/18.4	
20	1800	230/460	256T	U20P2D	\$2,216	DS-3AL	1.25	26.1	250	93.0	53-47/23.7	
25	1800	208-230/460	284T	U25P2D	\$2,659	DS-3AL	1.15	28.7	290	93.6	65-59/29.3	
30	1800	208-230/460	286T	U30P2D	\$3,101	DS-3AL	1.15	28.7	325	93.6	78-70/35	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 25 Non-protected

† All marks shown within this document are properties of their respective owners.



Special Application Agriculture Totally Enclosed Fan Cooled (TEFC) Agri Duty High Torque Single Phase, Capacitor Start



APPLICATIONS:

For powering agitators, augers, compressors, conveyors, feeders and hay hoists. High torque motors are used on barn cleaners, manure pumps and silo unloaders.

FEATURES:

- Class F Insulation (140-210 Frame)
- 40°C Ambient, Continuous Duty
- Reversible Rotation
- F1 Assembly
- Steel Frames & Steel Welded Based (140-210 Frame)
- Manual Reset Thermal Overload Protector
- Steel Fan Cover & Conduit Box
- Non-Regreasable Double Shielded Bearings
- Shaft Slinger (140-210 Frame)
- Capacitor Start-Capacitor Run (3-10 HP)
- Low Temperature Grease

Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/230	56	FD13CM2P	\$278	DS-3FMP	1.15	10.9	23	6.6/3.3	23
1/2	1800	115/230	56	FD12CM2P	\$324	DS-3FMP	1.15	11.4	23	9.0/4.5	23
3/4	1800	115/230	56	FD34CM2P	\$384	DS-3FMP	1.15	11.9	32	11.4/5.7	23
1	1800	115/230	143T	FD1CM2P14	\$684	DS-3F	1.15	12.8	32	15.0/7.5	23
	1800	115/230	56H	FD1CM2PZ	\$439	DS-3FMP	1.15	12.9	23	14.0/7.0	23
1 1/2	1800	115/230	145T	FD32CM2P14	\$473	DS-3SP	1.15	14.3	43	16.2/8.1	23,CSCR
	1800	115/230	56H	FD32CM2PH	\$468	DS-3FMP	1.15	13.3	32	16.2/8.1	23, CSCR
2	1800	115/230	182T	FD2CM2P18	\$779	DS-3SP	1.00	15.2	60	23.6/11.8	23
	1800	115/230	56HZ	FD2CM2PHZ	\$639	DS-3FMP	1.00	14.3	40	20.0/10.0	23
3	1800	230	184T	FD3CM2K18	\$1,045	DS-3SP	1.00	17.2	74	14.5	23
5	1800	230	184T	FD5CM2K18	\$1,307	DS-3SP	1.00	18.2	125	22.0	23
	1800	230	213T	FD5CM2K21	\$1,442	DS-3SP	1.00	19.6	180	23.0	23
7 1/2	1800	230	215T	FD7CM2K21	\$1,937	DS-3SP	1.00	22.1	147	30.0	23
10	1800	230	215T	FD10CM2K21	\$2,380	DS-3SP	1.00	22.1	180	38.0	23

C-Face Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/230	56C	FD13CM2PCR	\$360	DS-3FMP	1.15	10.9	21	6.6/3.3	23
1/2	1800	115/230	56C	FD12CM2PCR	\$360	DS-3FMP	1.15	11.4	32	9.0/4.5	23
3/4	1800	115/230	56C	FD34CM2PCR	\$437	DS-3FMP	1.15	11.9	32	11.4/5.7	23
1	1800	115/230	56C	FD1CM2PCR	\$493	DS-3FMP	1.15	12.9	44	14.0/7.0	23
1 1/2	1800	115/230	56C	FD32CM2PCR	\$589	DS-3FMP	1.15	13.9	44	16.2/8.1	23

Note 23 Manual Reset Thermal Protector Overload
 Note CSCR Capacitor Start/Capacitor Run

† All marks shown within this document are properties of their respective owners.



Special Application Agriculture Aeration Fan & Crop Dryer



APPLICATIONS:

For air over applications or fans mounted directly on the motor shaft.
Specifically designed for use on vane axial crop dryers and aeration fans.

FEATURES:

Aeration Fan

- Totally Enclosed Air Over
- Class B Insulation On 56 Frame
- Class F Insulation On 140 Frame
- Keyed Shaft Drilled On Center 1" Deep & Tapped 1/4" UNC
- 56Z Frame Motors Have 5/8" Dia. X 2-1/4" Long Shaft
- F1 Assembly Position

Crop Dryer

- Open Dripproof Air-Over
- Thermostat Protected (Overheating Protection) Requires Leads to be Connected to Control Circuit of Motor Controller
- Non-Standard 1-1/8" Diameter X 3-1/4" Long Keyed Shaft Is Drilled On Center 1" Deep & Tapped 1/4-20 UNC
- Rodent Screens, Extra Long Leads, Class F Insulation
- F1 Assembly Position

Aeration Fan - Cap Start

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1/2	3600	115/230	48	FD12CA1P4	\$334	DS-3FMP	1.00	9.0	19	-	7.4/3.7	24
	3600	115/230	56Z	FD12CA1PZ	\$305	DS-3F	1.00	9.8	20	-	7.4/3.7	24
3/4	3600	115/230	48	FD34CA1P4	\$351	DS-3FMP	1.00	8.5	19	-	10.6/5.3	24
	3600	115/230	56Z	FD34CA1PZ	\$356	DS-3SP	1.00	10.3	19	-	11.0/5.5	24
1	3600	115/230	56Z	FD1CA1PZ	\$423	DS-3SP	1.00	12.3	29	-	12.4/6.2	24
1 1/2	3600	115/230	143TZ	FD32CA1P14	\$582	DS-3SP	1.00	13.3	32	73.0	17.4/8.7	24
2	3600	115/230	143TZ	FD2CA1P14	\$686	DS-3SP	1.00	13.8	32	75.5	22.2/11.1	24
3	3600	230	145TZ	FD3CA1K14	\$719	DS-3SP	1.00	13.7	42	78.5	14.9	CSCR,24

Crop Dryer - Cap Start

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
5-7	3600	230	184TZ	FD5CM1K18Z	\$1,160	DS-3SP	1.00	18.4	90	82.8	21.0	23
7.5-9	3600	230	184TZ	FD7CM1K18Z	\$1,240	DS-3SP	1.00	18.4	90	88.7	30.0	23
10-12	3600	230	215TZ	FD10CM1K21Z	\$1,859	DS-3SP	1.15	20.4	127	85.2	40.0	23

Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload
 Note CSCR Capacitor Start /Capacitor Run

† All marks shown within this document are properties of their respective owners.



Special Application Farm Single Phase Direct Drive Poultry Fan



APPLICATIONS:

For direct drive exhaust and vent fans in poultry and livestock houses.

FEATURES:

- Continuous Duty
- PSC Models Include Capacitor Mounted With Cover
- Clockwise Drive End Rotation
- Automatic Reset Thermal Overload Protection
- Studs For Mounting Fan Guard
- 1.0 Service Factor Except Where Noted
- Terminal Board With Side Conduit Plug Unless Noted
- **Discount Symbol: DS-3HAC**

Yoke Mount, Welded Tab Fan Motors

HP	RPM/Spds	Voltage	Frame	Catalog Number	List	Discount Symbol	Amps	Motor Type	Bearings	Enclosure	Ship Wt. (lbs)	Notes
1/4	1100/2	115	48Y	1931	\$384	DS-3HAC	3.0	PSC	SAB	TEAO	13	H27
	1075/2	115	48Y	1933	\$405	DS-3HAC	5.7	PSC	Ball	OAO	19	H27
	1075/2	115	48YZ	1917	\$415	DS-3HAC	4.2	PSC	Ball	TEAO	15	
1/3	1075/2	115	48YZ	1935	\$218	DS-3HAC	5.3	PSC	SAB	TEAO	20	
1/2	825/1	115	48YZ	1940	\$344	DS-3HAC	6.4	PSC	Ball	TEAO	25	H27
	1075/2	115	48Y	1838	\$456	DS-3HAC	5.8	PSC	Ball	TEAO	23	H27
	1075/2	115	48Y	1924	\$489	DS-3HAC	7.2	PSC	Ball	TEAO	23	
	1075/2	115	48YZ	1937	\$463	DS-3HAC	NULL	PSC	Ball	TEAO	18	H27

Note H27 Includes Cord and Pull Chain

† All marks shown within this document are properties of their respective owners.



Special Application Farm Single and Three Phase Direct Drive Poultry Fan



APPLICATIONS:

For direct drive exhaust and vent fans in poultry and livestock houses.

FEATURES:

- Ball Bearings
- 40°C Ambient
- TEAO Enclosure except where noted
- Class B Insulation
- Continuous Air Over Duty
- **Discount Symbol: DS-3FMP (except where noted)**

Single Phase, Permanent Split Capacitor, Resilient Mount

HP	RPM	Voltage	Frame	Catalog Number	List	Mounting	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Shaft Dim. (inches)	Notes
1/2	1800	115/230	48Y	1850	\$295	CRADLE/ STD	1.00	10.9	23	5.0/2.5	1/2 DIA X 2-1/2"L	24

Single Phase, Permanent Split Capacitor, Stud Mount

HP	RPM	Voltage	Frame	Catalog Number	List	Mounting	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Shaft Dim. (inches)	Notes
1/2	900	115/230	48YZ	8102	\$446	STUD	1.25	10.2	22	6.0/3.0	0.625 DIA X 2.625 - KEY	24

Single Phase, Permanent Split Capacitor, Rigid Mount

HP	RPM	Voltage	Frame	Catalog Number	List	Mounting	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Shaft Dim. (inches)	Notes
1/2	900	115/230	56Z	FD12AA4P	\$587	RIGID	1.00	11.4	35	6.4/3.2	5/8 DIA X 2-1/2"L	24

Single Phase, Permanent Split Capacitor, Face Mount

HP	RPM	Voltage	Frame	Catalog Number	List	Mounting	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Shaft Dim. (inches)	Notes
1	900	230	56YZ	1837	\$837	C-FACE	1.00	13.3	32	5.2	3/4 DIA X 3-1/4"L	
	900	230	56YZ	FD1AA4KCR	\$551	C-FACE	1.00	13.9	32	5.8	5/8 DIA X 2-1/2"L	24

Three Phase, Face Mount

HP	RPM	Voltage	Frame	Catalog Number	List	Mounting	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Shaft Dim. (inches)	Notes
1	900	440-460	56YZ	8101	\$887	C-FACE	1.00	13.6	32	1.9-2.0	3/4 DIA X 3-1/4"L	24
1 1/2	900	460	184TCH	UN32S4CKR	\$2,344	HORZ-FOOTLESS	1.25	16.9	60	3.8	N/A	

Note 24 Automatic Reset Thermal Protector Overload

† All marks shown within this document are properties of their respective owners.



HURST
MOTORS AND
GEARING

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Special Application Agriculture Auger Duty Motors



CAPACITOR START

APPLICATIONS:

For use on augers.

FEATURES:

- Totally Enclosed Fan Cooled (except where noted)
- Class B Insulation
- Manual Reset Thermal Overload Protector
- 1/2 HP & Above Have ODE Shaft Extension for Hand Crank
- Ball Bearings
- 56Y are Keyed; 56YZ are Flat Shaft
- Reversible Rotation
- Footless (except where noted)

Capacitor Start

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1800	115/230	56Y	1843	\$644	DS-3FMP	1.00	11.6	29	8.0/4.0&9.6/4.8	Footed
	1800	115/230	56Y	FD12CM2PZY	\$515	DS-3FMP	1.00	11.6	32	8.0/4.0&9.6/4.8	98, Footed
	1800	115/230	56Y	FD12CM2PZYR	\$350	DS-3FMP	1.00	12.0	22	8.6/4.3&10.4/5.4	
3/4	1800	115/230	56Y	FD34CM2PZYR	\$590	DS-3FMP	1.00	12.6	32	10.6/5.3&11.8/5.9	
	1800	115/230	56YZ	FD34CM2PZY	\$568	DS-3FMP	1.00	12.6	32	10.6/5.3&11.8/5.9	
1	1800	115/230	56Y	FD1CM2PZY	\$652	DS-3FMP	1.00	12.94	38	12.8/6.5-6.4	Footed
1 1/2	1800	115/230	56HY	FD32CM2PHZY	\$814	DS-3FMP	1.15	13.9	45	16.2/8.1	23, Footed

Split Phase

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115/230	56YZ	FD13BM2PZYR	\$313	DS-3FMP	1.00	11.5	22	5.3/2.6&5.9/3.0	23,28,95

Three Phase

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	190/380&208-230/460	56Y	FD13SM2DZYR	\$424	DS-3FMP	1.00	11.2	26	2.0/1.0&1.8-2.0/1.0	
1/2	1800	190/380&208-230/460	56Y	FD12SM2DZYR	\$467	DS-3FMP	1.00	11.8	17	2.2/1.1&2.0-2.0/1.0	
3/4	1800	190/380&208-230/460	56Y	FD34SM2DZYR	\$526	DS-3FMP	1.00	11.8	27	3.0/1.5&2.7-2.6/1.3	
1	1800	190/380&208-230/460	56Y	FD1SM2DZYR	\$549	DS-3FMP	1.00	12.9	28	3.8/1.9&3.4-3.4/1.7	
1 1/2	1800	190/380&208-230/460	56Y	FD32SM2DZYR	\$633	DS-3FMP	1.00	12.9	32	5.2/2.6&4.8-4.5/2.3	

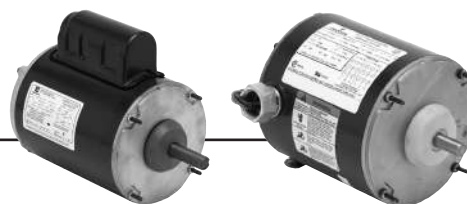
Note 23 Manual Reset Thermal Protector Overload
 Note 28 TENV Enclosure
 Note 95 Nutride shaft

Note 98 50/60 Hertz Motor
 Note FTL5 Footless

† All marks shown within this document are properties of their respective owners.



Special Application Agriculture Agri Duty Fan and Hatcher/Setter Motors



Agri Duty Fan

Hatcher/Setter

APPLICATIONS:

Agri duty fans for direct drive and vent fans in poultry and livestock houses.
Hatcher and setter motors are used in hatchers and setters.

FEATURES:

Agri Duty Fan Motors

- Ball Bearings
- 40°C Ambient, Continuous Duty
- Totally Enclosed Air Over (TEAO) Enclosure
- Rigid Base (except where noted)
- Class B Insulation
- Automatic Reset Thermal Overload Protector
- Built-in Conduit Box
- Split Phase & Capacitor Start (see notes below)

Hatcher & Setter Motors

- Ball Bearings
- 40°C Ambient
- Totally Enclosed Air Over (TEAO) Enclosure
- Class B Insulation
- Continuous Air Over Duty
- Permanent Split Capacitor
- Shaft Dimensions 0.5 Dia. X 1.5 Length
- Reversible Rotation (except where noted)

Agri Duty Fan Motors - Single Phase

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1800	115/230	56	FD12BA2P	\$406	DS-3FMP	1.25	11.4	24	8.0/4.0	94
	1800	115/230	56	FD12BA2P9	\$417	DS-3FMP	1.25	12.3	32	5.4/2.7	35,94
3/4	1800	115/230	56	FD34BA2P	\$481	DS-3FMP	1.25	11.9	32	10.8/5.4	94
1	1800	115/208-230	56	FD1CA2J	\$552	DS-3FMP	1.15	12.4	32	10.9/5.4-5.4	CSCR
1 1/2	1800	115/230	56	FD32CA2P	\$653	DS-3FMP	1.00	12.9	39	13.0/6.5	CSCR

Agri Duty Fan Motors - Three Phase

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1800	208-230/460	56H	FD12SA2D	\$336	DS-3FMP	1.15	10.9	17	1.8-1.8/0.9	24,98
1	1800	208-230/460	56H	FD1SA2D	\$415	DS-3FMP	1.15	11.9	29	3.1/1.5	24,98
1 1/2	1800	208-230/460	56H	FD32SA2D	\$453	DS-3FMP	1.15	11.9	31	4.7/2.3	24,98

Hatcher & Setter Motors

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	1800	115/230	48YZ	FD12AM2P4ZR	\$487	DS-3FMP	1.00	9.4	19	5.0/2.5	23

Note 23 Manual Reset Thermal Protector Overload
 Note 24 Automatic Reset Thermal Protector Overload
 Note 35 Resilient Base

Note 94 Split phase
 Note 98 50/60 Hertz Motor
 Note CSCR Capacitor Start /Capacitor Run

† All marks shown within this document are properties of their respective owners.



Commercial Pump Motors



**U.S. MOTORS®
brand motors. The
perfect fit for all
your Residential
and Coupling
Pumping
Applications.**



**Three Phase TEFC Close
Coupled Pump Motor**



**Two-Compartment Square
Flange Mounting**



**Single Phase Close
Coupled Pump Motor**



**Single Compartment
Square Flange Mounting**

† All marks shown within this document are properties of their respective owners.

Commercial Duty Pump Motors



For use on chiller, condensate and other HVACR duty pumps, booster, irrigation, dishwasher and parts washer pumps, along with many other commercial duty applications.

Horsepower: 1/4 – 60 HP

Phase: Single and Three Phase

RPM: 3600, 1800 or 1200 RPM

Voltage:

- Single Phase: 208-230/115 Volts, 50/60 Hz options
- Three Phase: 208-230/460 and 190/380-415 Volts, 60/50 Hz (575 Volts available)

Efficiency: Standard, Energy Efficient and EXTREME-E®

Bolt-On Base: Many ratings provide for removable base construction

Mounting Options:

- NEMA®† 56C, TC, TSC and 56J
- Bolt-on base models provide for both shaft down, vertically mounted pump applications and rigid base, horizontally mounted pump applications

Enclosure: Open Dripproof (ODP) and Totally Enclosed Fan Cooled (TEFC)

Bearings: Double sealed ball bearings on all 56-Frame commercial duty pump motors. Double shielded ball bearings on all other motors.

303 Stainless Steel Shaft Extensions: on 56J mount motors providing superior corrosion resistance

Agency: UL®† Recognized and CSA®† Certified



Three Phase,
(TEFC) C-Face



Single Phase,
(ODP) C-Face

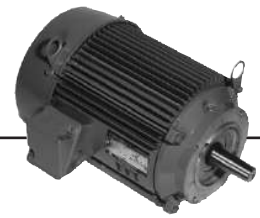


Split Phase Hot Water
Circulating Pump, (ODP)



† All marks shown within this document are properties of their respective owners.

Special Application Commercial Pump Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face



APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

- Totally Enclosed, 50 Hertz Motors supplied with CE Markings
- Double Sealed Ball Bearings On All 56 Frame Commercial Duty Pump Motors
- Double Shielded Ball Bearings On All Other Motors
- Continuous Duty
- 60 Hertz & 60/50 Hertz
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- 40°C Ambient
- Shaft Slinger On Pulley End
- NEMA®† 'C' Flange Mounting
- Premium 303 S.S. on 56J Mount: 7/16-20 UNC-2A
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A

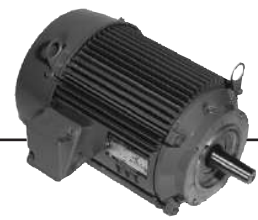
HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Max Amps	Notes
1/4	1800	208-230/460	56C	U14S2AC	\$246	DS-3RST	Rigid	1.25	10.8	20	70.0	1.3-1.4/0.7	26
	1800	575	56C	U14S2GC	\$246	DS-3RST	Rigid	1.25	10.8	22	75.5	0.4	26
	1200	208-230/460	56C	U14S3AC	\$323	DS-3RST	Rigid	1.25	10.8	22	72.0	1.1-1.2/0.6	26
1/3	1800	208-230/460	56C	U13S2AC	\$281	DS-3RST	Rigid	1.25	10.8	20	72.0	1.4-1.5/0.7	26
	1800	575	56C	U13S2GC	\$281	DS-3RST	Rigid	1.25	10.8	47	75.5	0.5	26
	1200	208-230/460	56C	U13S3AC	\$361	DS-3RST	Rigid	1.25	10.8	23	75.5	1.3-1.3/0.6	26
1/2	3600	208-230/460	56C	U12S1AC	\$306	DS-3RST	Rigid	1.25	10.8	25	70.0	1.7-1.6/0.8	26
	3600	208-230/460	56J	EE283	\$296	DS-3F	No	1.61	11.2	17	-	2.0-1.9/1.95	98
	1800	208-230/460	56C	U12S2AC	\$306	DS-3RST	Rigid	1.25	10.8	26	74.0	1.8-1.8/0.9	26
	1800	575	56C	U12S2GC	\$306	DS-3RST	Rigid	1.25	10.8	36	74.0	0.7	26
	1200	208-230/460	56C	U12S3AC	\$393	DS-3RST	Rigid	1.25	11.5	26	72.0	2.2-2.2/1.1	
3/4	3600	208-230/460	56C	U34S1AC	\$319	DS-3RST	Rigid	1.25	10.8	26	74.0	2.5-2.2/1.1	26
	3600	208-230/460	56J	EE515	\$309	DS-3F	No	1.51	11.9	17	-	2.8-2.7/1.35	98
	1800	208-230/460	56C	U34S2AC	\$329	DS-3RST	Rigid	1.25	10.8	32	77.0	2.7-2.7/1.4	26
	1800	575	56C	U34S2GC	\$329	DS-3RST	Rigid	1.25	10.8	27	75.5	1.1	26
	1200	208-230/460	143TC	U34S3DC	\$464	DS-3RST	Rigid	1.25	12.1	30	72.0	3.1-3.1/1.6	26
	1200	208-230/460	56C	U34S3AC	\$464	DS-3RST	Rigid	1.25	12.9	33	-	3.1-3.2/1.6	
1	3600	208-230/460	56C	U1S1AC	\$360	DS-3RST	Rigid	1.25	10.8	15	74.0	3.2-2.9/1.5	26
	3600	208-230/460	56C	EE516	\$350	DS-3RST	No	1.41	11.2	17	-	3.5-3.4/1.7	98
	3600	575	56J	EE516-5	\$370	DS-3RST	Remov.	1.15	11.6	27	80.0	1.1	
	1800	208-230/460	56C	U1S2AFC	\$347	DS-3RST	Rigid	1.25	10.8	28	80.0	3.4-3.4/1.7	26
	1800	208-230/460	56J	EE684	\$357	DS-3RST	Remov.	1.15	12.4	28	-	3.6-3.4/1.7	98
	1800	575	56C	U1S2GFC	\$347	DS-3RST	Rigid	1.25	10.8	40	81.5	1.4	26
	1200	208-230/460	56C	U1S3DFC	\$471	DS-3RST	Rigid	1.25	10.8	36	78.5	3.8-3.9/2	26
1 1/2	3600	208-230/460	56C	U32S1AFC	\$400	DS-3RST	Rigid	1.25	10.8	32	78.5	4.6-4/2	26
	3600	208-230/460	56J	EE661	\$390	DS-3RST	No	1.31	12.9	17	-	4.6-4.5/2.25	98
	1800	208-230/460	56C	U32S2AFC	\$384	DS-3RST	Rigid	1.25	10.8	32	81.5	4.7-4.7/2.3	26
	1800	575	56C	U32S2GFC	\$384	DS-3RST	Rigid	1.25	12.1	32	80.0	1.9	26
	1200	208-230/460	182TC	U32E3DCR	\$611	DS-3RST	No	1.25	16.1	55	85.5	5.3-5.3/2.7	03
	1200	208-230/460	182TC	U32P3DC	\$845	DS-3RST	Rigid	1.25	16.2	60	87.5	4.8-4.7/2.3	
	1200	575	182TC	U32E3GCR	\$611	DS-3RST	No	1.25	16.1	50	85.5	2.1	
	1200	575	182TC	U32P3GC	\$845	DS-3RST	Rigid	1.25	16.2	60	87.5	1.8	
2	3600	208-230/460	56C	U2S1AFC	\$475	DS-3RST	Rigid	1.25	12.1	30	80.0	5.9-5.3/2.6	26
	3600	208-230/460	56J	EE706	\$465	DS-3RST	No	1.25	13.4	32	-	6.0-5.6/2.8	98
	3600	575	56J	EE706-5	\$485	DS-3RST	Remov.	1.15	12.4	34	82.5	2	
	1800	208-230/460	56C	U2S2AFC	\$421	DS-3RST	Rigid	1.25	10.8	42	82.5	6.3-6.3/3.2	26
	1800	575	56C	U2S2GFC	\$421	DS-3RST	Rigid	1.25	12.5	39	-	2.5	
	1200	208-230/460	184TC	U2E3DCR	\$682	DS-3RST	No	1.25	16.9	70	86.5	7-6.8/3.4	03
	1200	208-230/460	184TC	U2P3DC	\$930	DS-3RST	Rigid	1.25	16.9	70	88.5	6.4-6.2/3.1	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 26 Does not include WORLD MOTOR® features
 Note 98 50/60 Hertz Motor

† All marks shown within this document are properties of their respective owners.



Special Application Commercial Pump Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Max Amps	Notes
3	3600	208-230/460	182TC	U3E1DCR	\$688	DS-3RST	No	1.25	16.1	58	85.5	8.7-8/4	03
	3600	208-230/460	182TC	U3P1DC	\$860	DS-3RST	Rigid	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	182TCH	U3E1DKR	\$688	DS-3RST	No	1.25	16.1	53	85.5	8.7-8/4	03
	3600	208-230/460	182TCH	U3P1DK	\$860	DS-3RST	Rigid	1.25	16.2	50	87.5	8.4-7.8/3.9	
	3600	208-230/460	56C	U3S1AFC	\$522	DS-3RST	Rigid	1.25	10.8	32	82.5	8.5-7.5/3.8	26
	3600	208-230/460	56J	EE707	\$512	DS-3RST	No	1.51	13.9	32	-	8.9-7.8/3.9	
	3600	575	56J	EE707-5	\$532	DS-3RST	Remov.	1.15	13.4	42	85.5	2.9	
	1800	208-230/460	182TC	U3E2DCR	\$618	DS-3RST	No	1.25	16.1	67	87.5	8.5-7.9/3.9	03
	1800	208-230/460	182TC	U3P2DC	\$772	DS-3RST	Rigid	1.25	16.2	70	89.5	8.4-7.8/3.9	
	1800	208-230/460	182TCH	U3P2DK	\$772	DS-3RST	Rigid	1.25	16.2	60	89.5	8.4-7.8/3.9	
	1800	575	182TC	U3E2GCR	\$618	DS-3RST	No	1.25	16.1	60	87.5	3.2	
	1800	575	182TC	U3P2GC	\$772	DS-3RST	Rigid	1.25	16.2	60	89.5	3.2	
	1800	575	182TC	U3S2GCR	\$593	DS-3RST	No	1.15	16.1	65	82.5	3.6	
	1200	208-230/460	213TC	U3E3DCR	\$920	DS-3RST	No	1.25	18.6	110	87.5	9.7-9.1/4.5	03
1200	208-230/460	213TC	U3P3DC	\$1,150	DS-3RST	Rigid	1.25	18.8	110	89.5	9.3-8.6/4.3		
5	3600	208-230/460	184TC	U5E1DCR	\$845	DS-3RST	No	1.25	16.9	120	87.5	13.8-12.3/6.1	03
	3600	208-230/460	184TC	U5P1DC	\$1,056	DS-3RST	Rigid	1.25	16.2	75	88.5	13.4-12.2/6.1	
	3600	208-230/460	184TCH	U5P1DK	\$1,056	DS-3RST	Rigid	1.25	16.2	75	88.5	13.4-12.2/6.1	
	1800	200	184TCH	U5P2HK	\$882	DS-3RST	Rigid	1.25	16.9	80	89.5	14.2	
	1800	208-230/460	184TC	U5E2DCR	\$706	DS-3RST	No	1.25	16.9	70	87.5	14-12.7/6.3	
	1800	208-230/460	184TC	U5P2DC	\$882	DS-3RST	Rigid	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	208-230/460	184TCH	U5E2DKR	\$706	DS-3RST	No	1.25	16.9	70	87.5	14-12.7/6.3	03
	1800	208-230/460	184TCH	U5P2DK	\$882	DS-3RST	Rigid	1.25	16.9	80	90.2	13.6-12.3/6.2	
	1800	575	184TC	U5E2GCR	\$706	DS-3RST	No	1.25	16.9	70	87.5	5.2	
	1800	575	184TC	U5P2GC	\$882	DS-3RST	Rigid	1.25	16.9	70	89.5	5	
	1200	208-230/460	215TC	U5E3DCR	\$1,278	DS-3RST	No	1.25	20.1	140	87.5	15.6-14.5/7.3	03
	1200	208-230/460	215TC	U5P3DC	\$1,597	DS-3RST	Rigid	1.25	20.3	135	90.2	15-14/7	
	1200	575	215TC	U5E3GCR	\$1,278	DS-3RST	No	1.25	20.1	140	87.5	5.8	
	1200	575	215TC	U5P3GC	\$1,597	DS-3RST	Rigid	1.25	20.3	135	89.5	5.6	
7 1/2	3600	208-230/460	213TC	U7E1DCR	\$1,045	DS-3RST	No	1.25	18.6	100	88.5	20.4-18.4/9.2	03
	3600	208-230/460	213TC	U7P1DC	\$1,306	DS-3RST	Rigid	1.25	18.8	105	91.0	19.9-17.8/8.9	03
	3600	575	213TC	U7P1GC	\$1,306	DS-3RST	Rigid	1.25	18.8	105	89.5	7.5	
	1800	208-230/460	213TC	U7E2DCR	\$954	DS-3RST	No	1.15	18.6	110	89.5	20.6-18.8/9.4	03
	1800	208-230/460	213TC	U7P2DC	\$1,192	DS-3RST	Rigid	1.25	18.8	105	91.7	20-18.2/9.1	
	1800	575	213TC	U7E2GCR	\$954	DS-3RST	No	1.25	18.6	110	89.5	7.5	
	1200	208-230/460	254TC	U7E3DCR	\$1,718	DS-3RST	No	1.25	23.9	200	89.5	20.8-18.8/9.4	02,03
	1200	208-230/460	254TC	U7P3DC	\$2,147	DS-3RST	Rigid	1.25	24.0	180	91.0	20.6-19/9.5	
10	3600	208-230/460	215TC	U10E1DCR	\$1,209	DS-3RST	No	1.25	20.1	110	89.5	26.7-23.8/11.9	03
	3600	208-230/460	215TC	U10P1DC	\$1,511	DS-3RST	Rigid	1.25	20.3	125	91.7	26.4-23.5/11.8	
	3600	575	215TC	U10P1GC	\$1,511	DS-3RST	Rigid	1.25	20.1	125	91.7	9.4	
	1800	208-230/460	215TC	U10E2DCR	\$1,133	DS-3RST	No	1.25	20.1	120	89.5	27.2-24.6/12.3	03
	1800	208-230/460	215TC	U10P2DC	\$1,416	DS-3RST	Rigid	1.25	20.3	133	91.7	26.5-23.9/12	
	1800	575	215TC	U10E2GCR	\$1,133	DS-3RST	No	1.25	20.1	120	89.5	9.9	
	1800	575	215TC	U10P2GC	\$1,416	DS-3RST	Rigid	1.25	20.3	133	91.7	9.6	
	1200	208-230/460	256TC	U10E3DCR	\$2,046	DS-3RST	No	1.25	25.7	230	89.5	27.5-25/12.5	02,03
	1200	208-230/460	256TC	U10P3DC	\$2,558	DS-3RST	Rigid	1.25	25.8	250	91.7	27.1-24.6/12.3	

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 26 Does not include WORLD MOTOR® features

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HURST
MOTORS AND
GEARING

BRAKEMOTORS

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SINGLE PHASE

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AGRICULTURE

COMMERCIAL PUMP
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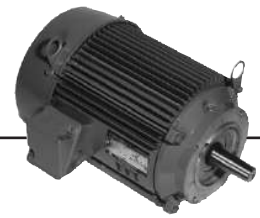
FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Special Application Commercial Pump Three Phase Totally Enclosed Fan Cooled (TEFC) C-Face



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Max Amps	Notes
15	3600	208-230/460	215TC	U15E1DFCR	\$1,450	DS-3RST	No	1.25	20.1	120	90.2	40-35/17.7	02,03
	3600	208-230/460	215TC	U15P1DFC	\$1,812	DS-3RST	Rigid	1.25	21.5	125	91.0	39-35/17.6	
	3600	208-230/460	254TC	U15E1DCR	\$1,739	DS-3RST	No	1.25	23.9	210	90.2	40-35/17.6	02,03
	3600	208-230/460	254TC	U15P1DC	\$2,174	DS-3RST	Rigid	1.25	24.0	180	91.0	39-35/17.3	02,03
	3600	575	254TC	U15P1GC	\$2,174	DS-3RST	Rigid	1.25	24.0	185	91.0	13.9	
	1800	208-230/460	254TC	U15E2DCR	\$1,578	DS-3RST	No	1.25	23.9	220	91.0	41-37/18.5	02,03
	1800	208-230/460	254TC	U15P2DC	\$1,973	DS-3RST	Rigid	1.25	24.0	240	92.4	40-37/18.4	
	1800	575	254TC	U15E2GCR	\$1,578	DS-3RST	No	1.25	23.9	220	91.0	14.7	02
20	3600	208-230/460	256TC	U20E1DCR	\$2,120	DS-3RST	No	1.25	25.7	230	90.2	53-47/23.4	02,03
	3600	208-230/460	256TC	U20P1DC	\$2,650	DS-3RST	Rigid	1.25	25.8	230	91.0	53-46/23	02,03
	3600	575	256TC	U20P1GC	\$2,650	DS-3RST	Rigid	1.25	25.8	230	91.0	18.5	02
	1800	208-230/460	256TC	U20E2DCR	\$1,913	DS-3RST	No	1.25	25.7	250	91.0	54-49/24.3	02,03
	1800	208-230/460	256TC	U20P2DC	\$2,391	DS-3RST	Rigid	1.25	25.8	250	93.0	53-47/23.7	
25	3600	208-230/460	284TC	U25P1DC	\$3,268	DS-3RST	Rigid	1.15	28.3	250	91.7	65-57/28.4	
	1800	208-230/460	284TC	U25E2DCR	\$2,312	DS-3RST	No	1.25	28.3	290	92.4	67-59/29.6	02,03
	1800	208-230/460	284TC	U25P2DC	\$2,890	DS-3RST	Rigid	1.15	28.3	290	93.6	65-59/29.3	
30	1800	208-230/460	286TC	U30E2DCR	\$2,666	DS-3RST	No	1.25	28.3	320	92.4	80-72/36	02,03
	1800	208-230/460	286TC	U30P2DC	\$3,333	DS-3RST	Rigid	1.25	28.4	325	93.6	78-73/36	

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

† All marks shown within this document are properties of their respective owners.



Special Application Commercial Pump Three Phase Open Dripproof (ODP) C-Face



APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

- "CE" Mark On Nameplate (140 Frame and Larger)
- Double Sealed Ball Bearings On All 56 Frame Commercial Duty Pump Motors;
- Double Shielded Ball Bearings On All Others
- Continuous Duty
- 60 Hertz & 60/50 Hertz
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- 40°C Ambient
- Suitable for Wye-Delta Start 250-Frame and Larger
- NEMA® 'C' Flange Mounting
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A
- Premium 303 S.S. on 56J; Mount & Carbon Steel on All Others

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Dripcover Kit	Max Amps	Notes
3/4	3600	208-230/460	56C	EE508	\$444	DS-3F	No	1.50	11.3	20	DC48	2.7-2.8/1.4	03
	3600	208-230/460	56J	EE446	\$449	DS-3F	No	1.50	11.8	25	DC48	2.6-2.4/1.1	03
	3600	208-230/460	56J	EE446B	\$454	DS-3F	Rigid	1.00	11.8	19	DC56	2.6-2.4/1.1	03
	1800	208-230/460	56C	D34S2ACR	\$366	DS-3F	No	1.25	11.9	26	DC56	2.8-2.7/1.4	26
	1200	208-230/460	56C	D34S3DCR	\$704	DS-3F	No	1.15	12.2	32	DC56	3.4-3.5/1.7	26
1	3600	208-230/460	56C	EE511	\$464	DS-3F	No	1.40	11.6	17	DC48	3.6-3.8/1.9	03
	3600	208-230/460	56J	EE506B	\$474	DS-3F	Rigid	1.40	11.6	22	DC56	3.5-3.4/1.7	03
	3600	208-230/460	56C	EE511B	\$469	DS-3F	Rigid	1.40	11.6	26	DC56	3.6-3.8/1.9	
	3600	208-230/460	56J	EE506	\$469	DS-3F	No	1.40	12.1	20	DC48	3.6-3.8/1.9	03
	1800	208-230/460	56HC	D1S2AHC	\$353	DS-3F	Rigid	1.25	12.4	26	DC56	3.2-3.0/1.5	26
1 1/2	3600	208-230/460	56C	EE609	\$537	DS-3F	No	1.00	11.4	28	DC56	4.4-4.3/2.2	03
	3600	208-230/460	56HC	D32S1AHC	\$541	DS-3F	Rigid	1.15	11.9	32	DC56	4.7-4.4/2.2	26
	3600	208-230/460	56J	EE607	\$541	DS-3F	No	1.30	12.4	17	DC56	5.0-5.0/2.5	03
	3600	208-230/460	56J	EE607B	\$546	DS-3F	Rigid	1.30	12.4	18	DC56	5.0-5.0/2.5	
	1800	208-230/460	56C	D32S2ACR	\$482	DS-3F	No	1.25	12.4	26	DC56	4.9-5.0/2.5	26
2	3600	208-230/460	56C	EE612	\$705	DS-3F	No	1.15	11.9	30	DC56	5.5-5.1/2.5	
	3600	208-230/460	56HC	D2S1AHC	\$710	DS-3F	Rigid	1.15	11.9	32	DC56	6.0-5.4/2.7	26
	3600	208-230/460	56J	EE733	\$710	DS-3F	No	1.20	12.9	25	DC56	6.1-5.6/2.8	
	3600	208-230/460	56J	EE733B	\$715	DS-3F	Rigid	1.20	12.9	26	DC56	6.1-5.6/2.8	
	3600	575	56J	EE733-5	\$719	DS-3F	Remov.	1.20	12.4	25	DC56	2.2	
	1800	208-230/460	56C	D2S2ACR	\$541	DS-3F	No	1.15	13.0	35	DC56	6.1-6.2/3.1	
3	3600	208-230/460	56C	EE736	\$775	DS-3F	No	1.15	11.4	35	DC56	7.9-7.6/7.6	
	3600	208-230/460	56J	EE734	\$780	DS-3F	No	1.15	13.9	17	DC56	8.6-8.4/4.2	
	3600	208-230/460	56J	EE734B	\$785	DS-3F	Rigid	1.15	13.9	35	DC56	8.6-8.4/4.2	
	3600	575	56J	EE734-5	\$790	DS-3F	Remov.	1.15	13.4	25	DC56	3	
5	3600	208-230/460	182TC	D5P1DC	\$975	DS-3E	Rigid	1.15	15.8	50	969957	13.5-12.3/6.2	03
	1800	208-230/460	184TC	D5P2DC	\$1,008	DS-3E	Rigid	1.15	15.8	60	969574	13.8-13/6.5	03
7 1/2	3600	208-230/460	184TC	D7P1DC	\$1,467	DS-3E	Rigid	1.15	15.8	60	969574	20.3-18.1/9.1	03
	1800	208-230/460	213TC	D7P2DC	\$1,410	DS-3E	Rigid	1.15	16.8	100	969575	20.2-18.5/9.3	03
10	3600	208-230/460	213TC	D10P1DC	\$1,649	DS-3E	Rigid	1.15	16.8	100	969575	27.1-24.3/12.2	03
	1800	208-230/460	215TC	D10P2DC	\$1,677	DS-3E	Rigid	1.15	18.3	110	969575	26.2-23.7/11.9	03
15	3600	208-230/460	215TC	D15P1DC	\$2,287	DS-3E	Rigid	1.15	18.3	100	969575	40-36/18	03
20	3600	208-230/460	254TC	D20P1DC	\$2,707	DS-3E	Rigid	1.15	23.0	150	472131	52-46/23.1	02,03
	1800	208-230/460	256TC	D20P2DC	\$2,921	DS-3E	Rigid	1.15	23.6	170	472131	54-49/24.4	02,03
25	3600	208-230/460	256TC	D25P1DC	\$3,219	DS-3E	Rigid	1.15	23.6	160	472131	65-57/28.7	02,03
	1800	208-230/460	284TC	D25P2DC	\$3,638	DS-3E	Rigid	1.15	24.9	300	969578	64-58/29	02,03

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hertz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz;
 Full 60 & 50 Hz data on Nameplate
 Note 26 Does not include WORLD MOTOR® features

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MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Special Application Commercial Pump Three Phase Open Dripproof (ODP) C-Face



(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Dripcover Kit	Max Amps	Notes
30	1800	208-230/460	286TC	D30P2DC	\$3,935	DS-3E	Rigid	1.15	24.9	350	969578	77-69/34	02,03
40	3600	208-230/460	286TSC	D40P1DSC	\$4,912	DS-3E	Rigid	1.15	23.5	250	969578	104-90/45	02,03
	1800	208-230/460	324TC	D40P2DC	\$5,175	DS-3E	Rigid	1.15	27.3	385	969579	102-91/46	02,03
50	3600	208-230/460	324TSC	D50P1DSC	\$5,466	DS-3E	Rigid	1.15	25.8	385	969579	130-117/59	02,03
	1800	208-230/460	326TC	D50P2DC	\$5,684	DS-3E	Rigid	1.15	27.3	415	969579	126-113/56	02,03
60	3600	208-230/460	326TSC	D60P1DSC	\$6,788	DS-3E	Rigid	1.15	25.8	460	969579	152-134/67	02,03

Note 02 Suitable for Wye-Delta start on voltages shown

Note 03 60/50 Hertz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

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Special Application Commercial Pump Single Phase Totally Enclosed Fan Cooled (TEFC) C-Face



APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

- Double Sealed Ball Bearings
- Class B Insulation, Continuous Duty, 40°C Ambient
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- F1 Assembly
- Reversible Rotation
- Capacitor Start, Induction Run

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	3600	115/208-230	56C	EC01	\$332	DS-3FMP	No	1.15	11.4	22	6.6/3.2-3.3	24,98
	3600	115/208-230	56J	EU01	\$341	DS-3FMP	Remov.	1.15	11.9	23	6.6/3.2-3.3	24,98
	1800	115/208-230	56C	T13CA2JCR	\$380	DS-3FMP	No	1.15	11.0	22	6.6/3.0-3.3	24
1/2	3600	115/208-230	56C	EC03	\$358	DS-3FMP	No	1.15	11.4	23	7.8/4.1-3.9	24,98
	3600	115/208-230	56C	EC03B	\$363	DS-3FMP	Rigid	1.15	11.4	24	7.8/4.1-3.9	24,98
	3600	115/208-230	56J	EU03	\$368	DS-3FMP	Remov.	1.15	11.9	27	7.8/4.1-3.9	24,98
	1800	100-120/200-240	56C	6212	\$565	DS-3FMP	Rigid	1.25	12.0	25	6.3-5.6/3.1-2.8	24
	1800	100-120/200-240	56C	T12C2ZCR	\$592	DS-3FMP	No	1.25	12.0	25	6.3-5.6/3.1-2.8	25
	1800	115/208-230	56C	T12CA2JCR	\$496	DS-3FMP	No	1.15	11.4	32	9.0/4.3-4.5	24
3/4	3600	115/208-230	56C	T34C1JC	\$417	DS-3FMP	Rigid	1.15	11.9	32	10.4/5.3-5.2	25
	3600	115/208-230	56C	EC06	\$448	DS-3FMP	No	1.15	11.9	26	10.0/5.2-5.0	24,98
	3600	115/208-230	56J	EU05	\$458	DS-3FMP	Remov.	1.15	12.4	42	10.0/5.2-5.0	24,98
	1800	100-120/200-240	56C	T34C2ZCR	\$699	DS-3FMP	No	1.25	12.4	32	9.2-8.4/4.6-4.2	25
	1800	115/208-230	56C	T34CA2JCR	\$582	DS-3FMP	No	1.15	11.9	32	11.4/5.7-5.7	24
	1200	115/208-230	56C	T34C3JCR	\$932	DS-3FMP	No	1.15	13.4	28	10.6/5.4-5.3	18,25
1	3600	115/208-230	56C	EC09B	\$508	DS-3FMP	Rigid	1.15	12.1	29	12.8/6.6-6.4	24,98
	3600	115/208-230	56J	EU07	\$511	DS-3FMP	Remov.	1.15	12.6	33	12.8/6.6-6.4	24,98
	3600	115/208-230	56C	T1CA1JCR	\$524	DS-3FMP	No	1.15	12.4	32	13.6/6.9-6.8	24
	1800	115/208-230	56C	T1CA2JCR	\$610	DS-3FMP	No	1.15	12.4	32	14.0/6.9-7.0	24
	1800	208-230/115	56C	EC10B	\$623	DS-3FMP	Rigid	1.15	12.4	37	13.6/7.0-6.8	24
1 1/2	3600	115/208-230	56C	EC11B	\$650	DS-3FMP	Rigid	1.15	12.6	36	16.6/9.0-8.3	24,98
	3600	115/208-230	56J	EU09	\$655	DS-3FMP	Remov.	1.15	13.1	39	16.6/9.0-8.3	24,98
	3600	115/208-230	56C	T32CA1JCR	\$637	DS-3FMP	No	1.15	12.9	32	14.6/8.1-7.4	24
	1800	115/208-230	56C	T32CA2JCR	\$689	DS-3FMP	No	1.15	13.9	31	14.4/8.0-7.2	24
	1800	115/208-230	56C	EC12B	\$729	DS-3FMP	Rigid	1.15	12.4	38	14.0/7.7-7.0	24
2	3600	208-230&220	56C	EC13	\$815	DS-3FMP	No	1.15	12.9	37	9.6-9.0	24
	3600	208-230&220	56C	EC13B	\$780	DS-3FMP	Rigid	1.15	12.9	38	9.6-9.0	24
	3600	208-230&220	56J	EU11	\$825	DS-3FMP	Remov.	1.15	13.4	38	9.6-9.0	24
	1800	115/208-230	145TC	T2C2J14C	\$846	DS-3FMP	Rigid	1.15	13.9	46	18.9/10.3-9.4	18,25
	1800	115/208-230	56C	T2CA2JCR	\$778	DS-3FMP	No	1.00	14.4	31	18.9/10.3-9.4	24
	1800	115/208-230	56HC	T2C2JHC	\$846	DS-3FMP	Rigid	1.15	13.9	43	18.9/10.3-9.4	18,25
3	3600	208-230	56J	EU12	\$894	DS-3FMP	Remov.	1.15	13.9	17	13.7-13.0	24

Note 18 Incorporates Run Capacitor
 Note 24 Automatic Reset Thermal Protector Overload

Note 25 Non-protected
 Note 98 50/60 Hertz Motor

† All marks shown within this document are properties of their respective owners.



Special Application Commercial Pump Single Phase Open Dripproof (ODP) C-Face



APPLICATIONS:

For use on chiller, condensate, and other HVAC duty pumps, booster and irrigation pumps, dishwasher and part washer pumps, watering and de-watering pumps, and other commercial duty pumping applications.

FEATURES:

- Double Sealed Ball Bearings - Locked Drive End Bearing
- 50/60 Hertz Motors have 1.0 Service Factor on 50 Hertz
- Class B Insulation
- Continuous Duty
- 40°C Ambient
- F1 Assembly
- Reversible Rotation
- Shaft Threads for 56J Mount: 7/16-20 UNC-2A

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Base (Feet)	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Dripcover Kit	Max Amps	Notes
1/3	3600	115/208-230	56C	EC0332B	\$214	DS-3FMP	Rigid	1.75	10.8	17	DC48	6.2/2.9-3.1	24,98
	3600	115/208-230	56J	EU0332	\$214	DS-3FMP	No	1.75	11.3	18	DC48	6.2/2.9-3.1	24,98
1/2	3600	115/208-230	56J	EU0502B	\$290	DS-3FMP	Remov.	1.61	11.6	18	DC48	8.2/4.0-4.1	24,98
	3600	115/208-230	56C	EC0502	\$280	DS-3FMP	No	1.61	11.2	22	DC56	8.2/4.2	24,98
	3600	115/208-230	56J	EU0502	\$285	DS-3FMP	No	1.61	11.7	17	DC56	8.2/4.2-4.1	24,98
	1800	115/208-230	56C	EC0504	\$453	DS-3FMP	No	1.25	10.4	21	DC48	8.9/4.4-4.5	24
	1800	115/208-230	56C	EC0504B	\$456	DS-3FMP	Rigid	1.25	10.4	22	DC56	8.9/4.4-4.5	24
3/4	3600	115/208-230	56J	EU0752B	\$359	DS-3FMP	Remov.	1.51	12.1	27	DC48	11.0/5.4-5.5	24,98
	3600	115/208-230	56C	EC0752	\$350	DS-3FMP	No	1.51	11.9	18	DC56	10.4/5.4-5.2	24,98
	3600	115/208-230	56J	EU0752	\$355	DS-3FMP	No	1.51	12.4	23	DC48	10.4/5.4-5.2	24,98
	1800	115/208-230	56C	D34CA2JCR	\$552	DS-3FMP	No	1.25	11.0	32	DC56	11.4/5.7-5.7	24
1	3600	115/208-230	56J	EU1002B	\$413	DS-3FMP	Remov.	1.41	12.4	29	DC48	13.2/6.8-6.6	24,98
	3600	115/208-230	56J	EU1002	\$409	DS-3FMP	No	1.41	12.7	23	DC48	12.8/6.7-6.4	24,98
	3600	115/208-230	56C	EC1002	\$404	DS-3FMP	No	1.41	12.2	20	DC56	12.8/6.7-6.4	24,98
	1800	115/208-230	56C	EC1004B	\$615	DS-3FMP	Rigid	1.15	11.6	31	DC56	15/7.7-7.5	24
1 1/2	3600	115/208-230	56C	EC1502	\$490	DS-3FMP	No	1.31	12.4	33	DC56	18.2/9.2-9.1	24,98
	3600	115/208-230	56J	EU1502	\$494	DS-3FMP	No	1.31	12.9	33	DC56	18.2/9.2-9.1	24,98
	3600	115/208-230	56J	EU1502B	\$501	DS-3FMP	Remov.	1.31	12.9	35	DC56	18.2/9.2-9.1	24,98
	1800	115/208-230	56C	D32CA2JCR	\$594	DS-3FMP	No	1.15	12.9	32	DC56	19.2/10.0-9.6	24
2	3600	115/208-230	56J	EU2002B	\$626	DS-3FMP	Remov.	1.21	12.9	33	DC56	19.6/10.7-9.8	18,24,98
	3600	115/208-230	56C	EC2002	\$618	DS-3FMP	No	1.21	12.4	32	DC56	19.6/10.7-9.8	18,24,98
	3600	115/208-230	56C	EC2002B	\$620	DS-3FMP	Rigid	1.21	12.4	33	DC56	19.6/10.7-9.8	18,24,98
	3600	115/208-230	56J	EU2002	\$619	DS-3FMP	No	1.21	12.9	32	DC56	19.6/10.7-9.8	18,24,98
	1800	115/208-230	56C	D2CA2JCR	\$831	DS-3FMP	No	1.15	13.4	32	DC56	20.0/11.3-10.0	18,24
3	3600	208-230	56C	EC3002	\$700	DS-3FMP	No	1.15	12.9	37	DC56	14.0-12.8	18,24
	3600	208-230	56J	EU3002	\$705	DS-3FMP	No	1.15	13.4	37	DC56	14.0-12.8	18,24
	3600	208-230	56J	EU3002B	\$710	DS-3FMP	Remov.	1.15	13.4	38	DC56	14.0-12.8	18,24

Note 18 Incorporates Run Capacitor
 Note 24 Automatic Reset Thermal Protector Overload
 Note 98 50/60 Hertz Motor

† All marks shown within this document are properties of their respective owners.



Special Application Carbonator Pump Single Phase Open Dripproof (ODP) Split Phase



APPLICATIONS:

Designed end shield with extended hub and short slotted shaft for close coupling carbonator pump to motor.

FEATURES:

- For Carbonator Duty Only
- Reversible Rotation
- Automatic Reset Thermal Overload Protector
- Threaded Conduit Hub
- All Ball Bearing Construction
- Green Ground Lead
- Special Slotted Shaft

Resilient Base

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/4	1800	100-120/200-240	48YZ	6001	\$202	DS-3FMP	1.00	7.7	15	4.9-5.0/2.4-5.5	61
	1800	115	48YZ	1004	\$145	DS-3FMP	1.00	7.7	15	5.0	61
	1800	200/240	48YZ	1004H	\$200	DS-3FMP	1.00	7.7	15	2.5-3.0 2.3-2.3	61
1/3	1800	100-120/200-240	48YZ	6079	\$220	DS-3FMP	1.00	8.3	16	6.5/3.0	61
	1800	115	48YZ	1003	\$174	DS-3FMP	1.00	7.7	14	6.5	61
1/2	1800	100-120/200-240	48YZ	6078	\$265	DS-3FMP	1.00	8.7	17	7.5/3.6	61
	1800	115	48YZ	6080	\$189	DS-3FMP	1.00	33.0	16	7.8	24
3/4	1800	115/230	48YZ	872	\$310	DS-3FMP	1.00	9.7	25	10.0/4.9 9.8/4.9	61

Note 24 Automatic Reset Thermal Protector Overload
Note 61 Sleeve Bearings

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Close Coupled Pump Motors



For specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft.

Horsepower: 1 – 60 HP

Phase: Single and Three Phase

RPM: 1800 and 3600 RPM

Voltage:

- 115/230
- 230
- 575
- 208-230/460
- 200
- 230/460 Volts

Efficiency: Standard, Energy and Premium Efficient

Enclosure:

- Open Dripproof (ODP)
- Totally Enclosed, Fan Cooled (TEFC)
- Hazardous Location

Mounting: Footed and Footless

Shaft Types:

- JM
- JP
- Westcoast



U.S. MOTORS® brand Close Coupled Pump Motors are designed to meet a variety of applications

Single Phase:

- Open Dripproof (ODP)
 - JM Shaft Footed
 - JP Shaft Footed
- Totally Enclosed, Fan Cooled (TEFC)
 - JM Shaft Footed
 - JP Shaft Footed

Three Phase:

- Open Dripproof Standard and Premium Efficient
 - JM Shaft Footed & Footless
 - JP Shaft Footed & Footless
 - Westcoast Shaft Footed (Standard Efficient only)
- Open Dripproof Energy Efficient
 - JM Shaft Footed
 - JP Shaft Footed
- Hazardous Location, Dual Label
 - JM Shaft Footed
- Totally Enclosed, Fan Cooled (TEFC) Standard and Energy Efficient
 - JM Shaft Footed
 - JP Shaft Footed
 - Westcoast Footed (Standard Efficient Only)
- Totally Enclosed, Fan Cooled (TEFC) Premium Efficient
 - JM Shaft Footed



Close Coupled Pump ODP Motor



Close Coupled Pump TEFC Motor

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Totally Enclosed Fan Cooled (TEFC) NEMA® Premium Efficient

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used in damp, dusty or dirty environments.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Cast Iron End Brackets 280 & Up, Aluminum With Steel Bearing Inserts
- Double Shielded Bearings
- Removable Base (180 - 250 Frame)
- Cast Iron Frame 280 & Up, Aluminum 180-250, Rolled Steel 140
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Lifting Provisions 180 Frame & Up
- "JM" Shaft For Mechanical Seal
- "CE" Mark On Nameplate
- Regreaseable Shaft End Bearing 180 Frame & Up
- Conversion Kits: Canopy Kits

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	3600	575	143JM	UJ1P1GM	\$529	DS-3PT	1.25	14.3	30	81.5	1.1	
	1800	230/460	143JM	UJ1P2BM	\$518	DS-3PT	1.25	14.3	35	85.5	3/1.5	
	1800	575	142JM	UJ1P2GM	\$518	DS-3PT	1.25	14.3	30	85.5	1.1	
1 1/2	3600	230/460	143JM	UJ32P1BM	\$584	DS-3PT	1.25	14.3	30	84.0	3.9/1.9	
	3600	575	143JM	UJ32P1GM	\$584	DS-3PT	1.25	14.3	30	84.0	1.6	
	1800	230/460	145JM	UJ32P2BM	\$565	DS-3PT	1.25	14.3	42	86.5	4.2/2.1	
	1800	575	145JM	UJ32P2GM	\$565	DS-3PT	1.25	14.3	30	86.5	1.7	
2	3600	575	145JM	UJ2P1GM	\$622	DS-3PT	1.25	14.3	42	86.5	2	
	1800	230/460	145JM	UJ2P2BM	\$611	DS-3PT	1.25	14.3	40	86.5	5.8/2.9	
	1800	575	145JM	UJ2P2GM	\$611	DS-3PT	1.25	14.3	35	86.5	2.3	
3	3600	230/460	182JM	UJ3P1BM	\$886	DS-3PT	1.25	17.8	100	87.5	7.8/3.9	
	3600	575	182JM	UJ3P1GM	\$886	DS-3PT	1.25	17.8	100	87.5	3.1	
	1800	230/460	182JM	UJ3P2BM	\$795	DS-3PT	1.15	17.8	80	88.5	8/4	NNP
	1800	575	182JM	UJ3P2GM	\$795	DS-3PT	1.25	17.8	60	89.5	3.1	
5	3600	230/460	184JM	UJ5P1BM	\$1,088	DS-3PT	1.25	17.8	100	88.5	12.2/6.1	
	3600	575	184JM	UJ5P1GM	\$1,088	DS-3PT	1.25	17.8	100	88.5	4.9	
	1800	230/460	184JM	UJ5P2BM	\$908	DS-3PT	1.25	17.8	100	90.2	6.3/6.3	
	1800	575	184JM	UJ5P2GM	\$908	DS-3PT	1.25	17.8	70	89.5	5	
7 1/2	3600	230/460	213JM	UJ7P1BM	\$1,345	DS-3PT	1.25	19.9	105	91.0	17.8/8.9	
	3600	575	213JM	UJ7P1GM	\$1,345	DS-3PT	1.25	19.8	240	91.0	7.1	
	1800	230/460	213JM	UJ7P2BM	\$1,228	DS-3PT	1.25	19.8	120	91.0	18.3/9.2	NNP
	1800	575	213JM	UJ7P2GM	\$1,228	DS-3PT	1.25	19.8	105	91.7	7.2	
10	3600	230/460	215JM	UJ10P1BM	\$1,556	DS-3PT	1.25	21.4	166	91.0	23.5/11.7	
	3600	575	215JM	UJ10P1GM	\$1,556	DS-3PT	1.25	21.4	166	91.0	9.4	
	1800	230/460	215JM	UJ10P2BM	\$1,458	DS-3PT	1.00	21.4	166	91.7	23.8/11.9	
	1800	575	215JM	UJ10P2GM	\$1,458	DS-3PT	1.25	21.4	120	91.7	9.6	
15	3600	230/460	254JM	UJ15P1BM	\$2,239	DS-3PT	1.25	25.4	220	91.0	35/17.7	
	3600	575	254JM	UJ15P1GM	\$2,239	DS-3PT	1.25	25.4	220	91.0	14.1	
	1800	230/460	254JM	UJ15P2BM	\$2,131	DS-3PT	1.25	25.4	240	93.0	37/18.4	
	1800	575	254JM	UJ15P2GM	\$2,131	DS-3PT	1.15	25.4	180	92.4	14.6	
20	3600	230/460	256JM	UJ20P1BM	\$2,730	DS-3PT	1.25	27.1	344	92.4	46/23	
	3600	575	256JM	UJ20P1GM	\$2,730	DS-3PT	1.25	27.1	344	91.0	18.5	
	1800	230/460	256JM	UJ20P2BM	\$2,463	DS-3PT	1.15	27.1	250	93.0	47/23.7	
	1800	575	256JM	UJ20P2GM	\$2,463	DS-3PT	1.25	27.1	230	93.0	19	
25	3600	230/460	284JM	HJ25P1BM	\$3,595	DS-3PT	1.15	27.9	350	91.7	60/30	
	3600	575	284JM	HJ25P1GM	\$3,595	DS-3PT	1.15	27.9	380	91.7	23	
	1800	230/460	284JM	HJ25P2BM	\$3,237	DS-3PT	1.15	27.9	350	93.6	59/29.3	
	1800	575	284JM	HJ25P2GM	\$3,237	DS-3PT	1.15	27.9	380	93.6	23	
30	3600	230/460	286JM	HJ30P1BM	\$4,383	DS-3PT	1.15	27.9	275	91.7	69/34	
	3600	575	286JM	HJ30P1GM	\$4,383	DS-3PT	1.15	27.9	410	91.7	27.6	
	1800	230/460	286JM	HJ30P2BM	\$3,666	DS-3PT	1.15	27.9	475	93.6	69/35	
	1800	575	286JM	HJ30P2GM	\$3,666	DS-3PT	1.15	27.9	410	93.6	27.6	

Note NNP Non-NEMA® Premium Rating

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Totally Enclosed Fan Cooled (TEFC) Energy Efficient



APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft.
Used in damp, dusty or dirty environments.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Extruded Aluminum Frame (140: Rolled Steel)
- Aluminum End Shields With Steel Bearing Inserts
- 40°C Ambient, NEMA† Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Shaft End Bearing 180 Frame & Up
- "CE" Mark On Nameplate
- Double Shielded Bearings
- Removable Base 180 Frame & Up
- Lifting Provisions 180 Frame & Up
- "JP" Shaft For Packing Seal
- Conversion Kits: Canopy Kits

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JM	UJ1E2DM	\$414	DS-3PT	1.25	14.3	35	82.5	3.1-3/1.5	
1 1/2	3600	208-230/460	143JM	UJ32E1DM	\$467	DS-3PT	1.25	14.3	30	82.5	4.3-3.9/1.9	
	1800	208-230/460	145JM	UJ32E2DM	\$452	DS-3PT	1.25	14.3	35	84.0	4.6-4.4/2.2	
2	3600	208-230/460	145JM	UJ2E1DM	\$497	DS-3PT	1.25	14.3	40	84.0	5.6-5/2.5	
	1800	208-230/460	145JM	UJ2E2DM	\$489	DS-3PT	1.25	14.3	30	84.0	6.2-6/3	
3	3600	208-230/460	145JM	UJ3E1DFM	\$591	DS-3PT	1.25	15.3	60	85.5	8.2-7.2/3.6	
	3600	208-230/460	182JM	UJ3E1DM	\$709	DS-3PT	1.25	17.8	60	85.5	8.7-8/4	
	1800	208-230/460	182JM	UJ3E2DM	\$636	DS-3PT	1.25	17.8	60	87.5	8.6-8.1/4.1	
5	3600	208-230/460	184JM	UJ5E1DM	\$870	DS-3PT	1.25	17.8	75	87.5	13.8-12.3/6.1	
	1800	208-230/460	184JM	UJ5E2DM	\$726	DS-3PT	1.25	18.6	70	87.5	14-12.7/6.3	
7 1/2	3600	208-230/460	184JM	UJ7E1DFM	\$971	DS-3PT	1.15	17.8	70	88.5	19.8-18/9	
	3600	208-230/460	213JM	UJ7E1DM	\$1,076	DS-3PT	1.15	19.9	105	88.5	20.4-18.4/9.2	
	1800	208-230/460	213JM	UJ7E2DM	\$982	DS-3PT	1.25	19.9	155	89.5	20.8-18.9/9.4	
10	3600	208-230/460	215JM	UJ10E1DM	\$1,245	DS-3PT	1.25	21.3	120	89.5	26.7-23.8/11.9	
	1800	208-230/460	215JM	UJ10E2DM	\$1,166	DS-3PT	1.25	21.3	135	89.5	27.5-24.8/12.4	
15	3600	208-230/460	215JM	UJ15E1DFM	\$1,441	DS-3PT	1.25	21.4	140	90.2	40-35/17.6	
	3600	208-230/460	254JM	UJ15E1DM	\$1,791	DS-3PT	1.25	25.4	190	90.2	40-35/17.6	
	1800	208-230/460	254JM	UJ15E2DM	\$1,705	DS-3PT	1.25	25.4	190	91.0	41-38/19	
20	3600	208-230/460	256JM	UJ20E1DM	\$2,184	DS-3PT	1.25	27.1	220	90.2	54-47/23.5	
	1800	208-230/460	256JM	UJ20E2DM	\$1,970	DS-3PT	1.25	27.1	250	91.0	54-50/25	
25	3600	208-230/460	256JM	UJ25E1DFM	\$2,596	DS-3PT	1.25	27.1	230	91.0	65-57/28.7	
	3600	208-230/460	284JM	UJ25E1DM	\$2,876	DS-3PT	1.25	29.1	280	91.0	64-56/28.2	
	1800	208-230/460	284JM	UJ25E2DM	\$2,590	DS-3PT	1.25	29.1	290	92.4	67-59/29.6	
30	3600	208-230/460	286JM	UJ30E1DM	\$3,507	DS-3PT	1.25	29.1	300	91.0	79-68/34	
	1800	208-230/460	286JM	UJ30E2DM	\$2,933	DS-3PT	1.25	29.1	325	92.4	80-72/36	

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Totally Enclosed Fan Cooled (TEFC) Energy Efficient



UT4

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used in damp, dusty or dirty environments.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- Extruded Aluminum Frame (140: Rolled Steel)
- Aluminum End Shields With Steel Bearing Inserts
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Shaft End Bearing 180 Frame & Up
- "CE" Mark On Nameplate
- Double Shielded Bearings
- Removable Base 180 Frame & Up
- Lifting Provisions 180 Frame & Up
- "JM" Shaft For Mechanical Seal
- Conversion Kits: Canopy Kits

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JP	UJ1E2DP	\$419	DS-3PT	1.25	17.3	30	82.5	3.1-3/1.5	
1 1/2	3600	208-230/460	143JP	UJ32E1DP	\$472	DS-3PT	1.25	17.3	30	82.5	4.3-3.9/1.9	
	1800	208-230/460	145JP	UJ32E2DP	\$457	DS-3PT	1.25	17.3	35	84.0	4.6-4.4/2.2	
2	3600	208-230/460	145JP	UJ2E1DP	\$502	DS-3PT	1.25	17.3	40	84.0	5.6-5/2.5	
	1800	208-230/460	145JP	UJ2E2DP	\$494	DS-3PT	1.25	17.3	35	84.0	6.2-6/3	
3	3600	208-230/460	145JP	UJ3E1DFP	\$596	DS-3PT	1.25	18.3	60	85.5	8.2-7.2/3.6	
	3600	208-230/460	182JP	UJ3E1DP	\$716	DS-3PT	1.25	20.9	60	85.5	8.7-8/4	
	1800	208-230/460	182JP	UJ3E2DP	\$642	DS-3PT	1.25	20.9	60	87.5	8.6-8.1/4.1	
5	3600	208-230/460	184JP	UJ5E1DP	\$879	DS-3PT	1.25	20.9	75	87.5	13.8-12.3/6.1	
	1800	208-230/460	184JP	UJ5E2DP	\$734	DS-3PT	1.25	21.6	80	87.5	14-12.7/6.3	
7 1/2	3600	208-230/460	213JP	UJ7E1DP	\$1,087	DS-3PT	1.15	23.8	105	88.5	20.4-18.4/9.2	
	3600	230/460	184JP	UJ7E1BP	\$981	DS-3PT	1.15	20.9	70	88.5	17.9/9	
	1800	208-230/460	213JP	UJ7E2DP	\$992	DS-3PT	1.25	23.8	105	89.5	20.8-18.9/9.4	
10	3600	208-230/460	215JP	UJ10E1DP	\$1,257	DS-3PT	1.25	25.1	120	89.5	26.7-23.8/11.9	
	1800	208-230/460	215JP	UJ10E2DP	\$1,178	DS-3PT	1.25	25.1	135	89.5	27.5-24.8/12.4	
15	3600	208-230/460	215JP	UJ15E1DFP	\$1,455	DS-3PT	1.25	25.3	140	90.2	40-35/17.6	
	3600	208-230/460	254JP	UJ15E1DP	\$1,809	DS-3PT	1.25	28.3	190	90.2	40-35/17.6	
	1800	208-230/460	254JP	UJ15E2DP	\$1,722	DS-3PT	1.25	28.3	190	91.0	41-38/19	
20	3600	208-230/460	256JP	UJ20E1DP	\$2,206	DS-3PT	1.25	30.0	220	90.2	54-47/23.5	
	1800	208-230/460	256JP	UJ20E2DP	\$1,990	DS-3PT	1.25	30.0	250	91.0	54-50/25	
	3600	208-230/460	256JP	UJ25E1DFP	\$2,622	DS-3PT	1.25	30.0	230	91.0	65-57/28.7	
25	3600	208-230/460	284JP	UJ25E1DP	\$2,905	DS-3PT	1.25	32.0	280	91.0	64-56/28.2	
	1800	208-230/460	284JP	UJ25E2DP	\$2,615	DS-3PT	1.25	32.0	290	92.4	67-59/29.6	
	3600	208-230/460	286JP	UJ30E1DP	\$3,542	DS-3PT	1.25	32.0	300	91.0	79-68/34	
30	1800	208-230/460	286JP	UJ30E2DP	\$2,962	DS-3PT	1.25	32.0	325	92.4	80-72/36	

Westcoast Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
7 1/2	3600	208-230/460	213TCZ	UJ7E1DJ	\$1,087	DS-3PT	1.15	22.8	105	88.5	20.4-18.4/9.2	
	1800	208-230/460	213TCZ	UJ7E2DJ	\$992	DS-3PT	1.25	22.8	105	89.5	20.8-18.9/9.4	
10	3600	208-230/460	215TCZ	UJ10E1DJ	\$1,257	DS-3PT	1.25	24.3	120	89.5	26.7-23.8/11.9	
	1800	208-230/460	215TCZ	UJ10E2DJ	\$1,178	DS-3PT	1.25	24.3	135	89.5	27.5-24.8/12.4	
15	3600	208-230/460	215TCZ	UJ15E1DJ	\$1,455	DS-3PT	1.25	24.3	140	90.2	40-35/17.6	

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Div. 1 Hazardous Duty, Dual Label



L4

APPLICATIONS:

For the specific requirements of centrifugal pumps located in hazardous locations as defined by Class and Group.

FEATURES:

- UL^{®†} Listed & CSA^{®†} Certified
- Cast Iron Frame, End Brackets & Conduit Box
- Stainless Steel Nameplate & Zinc Plated Hardware
- Cast Iron Inner Bearing Caps
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- Class I Group D, Class II Group F&G, T3B
- Regreasable Bearings, Lifting Provisions
- Double Shielded Bearings
- 1.0 Service Factor at 60 Hertz
- Class F Insulation
- "JM" Shaft for Mechanical Seal
- Conversion Kits: Cast Iron Fan Cover

Energy Efficient

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3	3600	230/460	182JM	XJ3E1BM	\$1,032	DS-3PT	18.4	104	85.5	7.9/3.9	
	1800	230/460	182JM	XJ3E2BM	\$925	DS-3PT	18.4	96	87.5	8.2/4.1	
5	3600	230/460	184JM	XJ5E1BM	\$1,266	DS-3PT	18.4	115	87.5	12.2/6.1	
	1800	230/460	184JM	XJ5E2BM	\$1,056	DS-3PT	18.4	105	87.5	12.7/6.4	
7 1/2	3600	230/460	213JM	XJ7E1BM	\$1,566	DS-3PT	21.0	145	88.5	18.4/9.2	

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

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Special Application Close Coupled Pump Three Phase Open Dripproof (ODP) NEMA® Premium Efficient



DE1

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used where dirt and moisture are minimal.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame
- Aluminum End Shields 140-250, Cast Iron End Shields 280-320
- Oversized Ball Bearings w/Locked Shaft End Construction
- Premasked Mylar Nameplate (with "CE" Mark)
- F1 Assembly Position
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- "JM" Shaft For Mechanical Seal
- "JM" Shaft on 210 Frame and Smaller; "JP" Shaft on 250 and 280 Frame

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3/4	1200	208-230/460	143JM	DJ34P3DM	\$553	DS-3FPO	1.15	14.8	30	80.0	2.8-2.8/1.4	
1	1800	200	143JM	DJ1P2HM	\$494	DS-3FPO	1.15	14.8	30	85.5	3.5	03
	1800	208-230/460	143JM	DJ1P2DM	\$494	DS-3FPO	1.15	14.8	30	85.5	3.2-3.1/1.5	03
	1200	208-230/460	145JM	DJ1P3DM	\$588	DS-3FPO	1.15	19.1	40	82.5	4-4/2	
1 1/2	1800	200	145JM	DJ32P2HM	\$524	DS-3FPO	1.15	14.8	35	86.5	4.8	03
	1800	208-230/460	145JM	DJ32P2DM	\$524	DS-3FPO	1.15	14.8	35	86.5	4.4-4.1/2.1	
	1200	208-230/460	182JM	DJ32P3DM	\$697	DS-3FPO	1.15	17.4	50	86.5	5.2-5/2.5	
2	1800	200	145JM	DJ2P2HM	\$560	DS-3FPO	1.15	14.8	35	86.5	6.3	
	1800	208-230/460	145JM	DJ2P2DM	\$560	DS-3FPO	1.15	14.8	35	86.5	5.9-5.6/2.8	03
	1200	208-230/460	184JM	DJ2P3DM	\$710	DS-3FPO	1.15	20.5	60	87.5	6.5-6.3/3.1	
3	3600	208-230/460	145JM	DJ3P1DM	\$621	DS-3FPO	1.15	14.8	35	85.5	8.2-7.3/3.7	03
	1800	200	182JM	DJ3P2HM	\$643	DS-3FPO	1.15	17.4	50	89.5	9	
	1800	208-230/460	182JM	DJ3P2DM	\$643	DS-3FPO	1.15	17.4	50	89.5	8.4-7.8/3.9	
	1200	208-230/460	213JM	DJ3P3DM	\$959	DS-3FPO	1.15	17.8	90	88.5	9.4-8.9/4.5	
5	3600	200	182JM	DJ5P1HM	\$820	DS-3FPO	1.15	16.1	50	88.5	14.1	03
	3600	208-230/460	182JM	DJ5P1DM	\$820	DS-3FPO	1.15	16.1	50	88.5	13.5-12.3/6.2	
	1800	200	184JM	DJ5P2HM	\$785	DS-3FPO	1.15	20.5	60	89.5	14.7	
	1800	208-230/460	184JM	DJ5P2DM	\$785	DS-3FPO	1.15	20.5	60	89.5	13.8-13/6.5	03
	1200	208-230/460	215JM	DJ5P3DM	\$1,399	DS-3FPO	1.15	19.3	105	89.5	15.2-14.5/7.3	
7 1/2	3600	208-230/460	184JM	DJ7P1DM	\$1,028	DS-3FPO	1.15	17.4	60	88.5	20.5-18.1/9.1	03
	1800	200	213JM	DJ7P2HM	\$1,042	DS-3FPO	1.15	17.8	90	91.0	21.4	
	1800	208-230/460	213JM	DJ7P2DM	\$1,042	DS-3FPO	1.15	17.8	90	91.0	20.2-18.5/9.3	03
	1200	208-230/460	254JP	DJ7P3DP	\$1,514	DS-3FPO	1.15	27.4	150	91.7	20.8-20.3/10.1	14
10	3600	200	213JM	DJ10P1HM	\$1,237	DS-3FPO	1.15	17.8	90	90.2	28	03
	3600	208-230/460	213JM	DJ10P1DM	\$1,237	DS-3FPO	1.15	17.8	90	90.2	27.1-24.3/12.2	03
	1800	200	215JM	DJ10P2HM	\$1,223	DS-3FPO	1.15	19.3	105	91.7	28.1	03
	1800	208-230/460	215JM	DJ10P2DM	\$1,223	DS-3FPO	1.15	19.3	105	92.4	26.3-23.8/11.9	03
	1200	208-230/460	256JP	DJ10P3DP	\$1,905	DS-3FPO	1.15	28.1	160	91.7	27.6-25.9/13	
15	3600	200	215JP	DJ15P1HP	\$1,594	DS-3FPO	1.15	23.1	105	90.2	41	
	3600	208-230/460	215JP	DJ15P1DP	\$1,594	DS-3FPO	1.15	23.1	105	90.2	40-36/18	
	1800	200	254JP	DJ15P2HP	\$1,712	DS-3FPO	1.15	27.4	150	93.0	42	
	1800	208-230/460	254JP	DJ15P2DP	\$1,712	DS-3FPO	1.15	27.4	150	93.0	40-37/18.5	
20	3600	200	254JP	DJ20P1HP	\$1,874	DS-3FPO	1.15	27.4	150	91.0	54	
	3600	208-230/460	254JP	DJ20P1DP	\$1,874	DS-3FPO	1.15	27.4	150	91.7	52-47/23.4	
	1800	200	256JP	DJ20P2HP	\$1,970	DS-3FPO	1.15	28.1	160	93.0	56	
	1800	208-230/460	256JP	DJ20P2DP	\$1,970	DS-3FPO	1.15	28.1	160	93.0	53-48/24.2	
25	3600	200	256JP	DJ25P1HP	\$2,567	DS-3FPO	1.15	28.1	160	92.4	67	
	3600	208-230/460	256JP	DJ25P1DP	\$2,567	DS-3FPO	1.15	28.1	160	92.4	63-57/28.7	14
	1800	200	284JP	DJ25P2HP	\$2,953	DS-3FPO	1.15	28.6	225	93.6	67	
	1800	208-230/460	284JP	DJ25P2DP	\$2,953	DS-3FPO	1.15	28.6	225	93.6	64-58/29.2	06

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 06 Dual voltage ratings, Part Winding Start on low voltage only
Note 14 NEMA® Design A

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Open Dripproof (ODP) Energy Efficient



FD4

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used where dirt and moisture are minimal.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame
- Aluminum End Shields 140-250, Cast Iron End Shields 280-320
- Oversized Ball Bearings w/ Locked Shaft End Construction
- Premasked Mylar Nameplate (with "CE" Mark)
- F1 Assembly Position
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- "JP" Shaft For Packing Seal, "JM" Shaft For Mechanical Seal
- Full 50 & 60 Hertz Operating Data On Nameplate (3)
- Conversion Kits: Canopy Kits

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JM	DJ1E2DM	\$455	DS-3FPO	1.15	14.8	30	82.5	3.1-3/1.5	16
1 1/2	3600	208-230/460	143JM	DJ32E1DM	\$491	DS-3FPO	1.15	15.4	32	82.5	4.3-4/2	16
	1800	208-230/460	145JM	DJ32E2DM	\$468	DS-3FPO	1.15	15.4	37	84.0	4.5-4.4/2.2	16
2	3600	208-230/460	145JM	DJ2E1DM	\$524	DS-3FPO	1.15	15.4	37	84.0	5.6-5.1/2.5	16
	1800	208-230/460	145JM	DJ2E2DM	\$482	DS-3FPO	1.15	15.4	41	84.0	6-5.9/3	16
	1800	575	145JM	DJ2E2GM	\$482	DS-3FPO	1.15	15.4	37	84.0	2.4	
3	3600	208-230/460	145JM	DJ3E1DM	\$550	DS-3FPO	1.15	15.4	40	84.0	8.3-7.5/3.7	16
	1800	208-230/460	182JM	DJ3E2DM	\$567	DS-3FPO	1.15	17.4	50	86.5	8.6-8.4/4.2	16
5	3600	200	182JM	DJ5E1HM	\$718	DS-3FPO	1.15	17.4	50	85.5	14.8	
	3600	208-230/460	182JM	DJ5E1DM	\$718	DS-3FPO	1.15	17.4	50	85.5	14.1-12.8/6.4	
	3600	575	182JM	DJ5E1GM	\$718	DS-3FPO	1.15	17.4	50	85.5	5.1	
	1800	208-230/460	184JM	DJ5E2DM	\$665	DS-3FPO	1.15	17.4	75	87.5	14-12.7/6.4	16
	1800	575	184JM	DJ5E2GM	\$665	DS-3FPO	1.15	20.5	75	87.5	5.2	
7 1/2	3600	208-230/460	184JM	DJ7E1DM	\$772	DS-3FPO	1.15	17.4	85	87.5	20.4-18.1/9.1	16
	3600	575	184JM	DJ7E1GM	\$772	DS-3FPO	1.15	17.4	85	88.5	7.2	
	1800	208-230/460	213JM	DJ7E2DM	\$882	DS-3FPO	1.15	17.8	113	88.5	21-19.2/9.6	16
	1800	575	213JM	DJ7E2GM	\$882	DS-3FPO	1.15	17.8	103	88.5	7.6	
10	3600	208-230/460	213JM	DJ10E1DM	\$1,076	DS-3FPO	1.15	17.8	105	88.5	27.5-25.3/12.6	16
	3600	575	213JM	DJ10E1GM	\$1,076	DS-3FPO	1.15	17.8	113	88.5	10.2	
	1800	208-230/460	215JM	DJ10E2DM	\$1,036	DS-3FPO	1.15	19.3	190	89.5	27.2-24.6/12.3	16
15	3600	208-230/460	215JM	DJ15E1DM	\$1,264	DS-3FPO	1.15	19.3	143	89.5	41-36/18.1	16
	1800	208-230/460	254JM	DJ15E2DM	\$1,372	DS-3FPO	1.15	24.6	172	91.0	41-38/19	16
20	3600	208-230/460	254JM	DJ20E1DM	\$1,611	DS-3FPO	1.15	24.6	170	90.2	54-47/23.6	16
	3600	575	254JM	DJ20E1GM	\$1,611	DS-3FPO	1.15	24.6	170	90.2	18.9	
	1800	208-230/460	256JM	DJ20E2DM	\$1,579	DS-3FPO	1.15	25.2	207	91.0	55-50/24.8	16
25	3600	208-230/460	256JM	DJ25E1DM	\$2,094	DS-3FPO	1.15	25.2	212	91.0	66-58/29	16
	1800	208-230/460	284JM	DJ25E2DM	\$2,406	DS-3FPO	1.15	25.8	210	92.4	66-60/30	16
30	3600	208-230/460	284JM	DJ30E1DM	\$3,193	DS-3FPO	1.15	25.8	230	91.0	80-70/35	16
	1800	208-230/460	286JM	DJ30E2DM	\$2,767	DS-3FPO	1.15	25.8	280	92.4	78-71/35	16
40	3600	208-230/460	286JM	DJ40E1DM	\$3,512	DS-3FPO	1.15	25.8	320	91.7	103-90/45	16
	3600	575	286JM	DJ40E1GM	\$3,512	DS-3FPO	1.15	25.8	332	91.7	36	
	1800	230/460	324JM	DJ40E2EM	\$3,597	DS-3FPO	1.15	27.5	485	93.0	91/46	
50	3600	230/460	324JM	DJ50E1EM	\$4,829	DS-3FPO	1.15	27.5	400	92.4	116/58	
	1800	230/460	326JM	DJ50E2EM	\$4,137	DS-3FPO	1.15	27.5	450	93.6	114/57	17
60	3600	230/460	326JM	DJ60E1EM	\$5,553	DS-3FPO	1.15	27.5	460	93.0	136/68	17

Note 16 Motors marked 208-230/460 volts may not meet all NEMA^{®†} (MG-1) performance standards when operated at 208 volts

Note 17 Twelve leads for across-the-line or wye-delta start on either voltage, part winding start on lower voltage

† All marks shown within this document are properties of their respective owners.



HURST
MOTORS AND
GEARING

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Special Application Close Coupled Pump Three Phase Open Dripproof (ODP) Energy Efficient



FD4

(continued)

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JP	DJ1E2DP	\$455	DS-3FPO	1.15	17.8	32	82.5	3.1-3/1.5	16
1 1/2	1800	208-230/460	145JP	DJ32E2DP	\$468	DS-3FPO	1.15	18.5	37	84.0	4.5-4.4/2.2	16
2	1800	208-230/460	145JP	DJ2E2DP	\$482	DS-3FPO	1.15	18.5	35	84.0	6-5.9/3	16
3	1800	208-230/460	182JP	DJ3E2DP	\$567	DS-3FPO	1.15	20.5	50	86.5	8.6-8.4/4.2	
5	3600	208-230/460	182JP	DJ5E1DP	\$718	DS-3FPO	1.15	20.5	50	85.5	14.1-12.8/6.4	
	1800	208-230/460	184JP	DJ5E2DP	\$665	DS-3FPO	1.15	20.5	75	87.5	14-12.7/6.4	16
7 1/2	3600	208-230/460	184JP	DJ7E1DP	\$772	DS-3FPO	1.15	20.5	75	87.5	20.4-18.1/9.1	16
	1800	208-230/460	213JP	DJ7E2DP	\$882	DS-3FPO	1.15	21.6	106	88.5	21-19.2/9.6	16
10	3600	208-230/460	213JP	DJ10E1DP	\$1,076	DS-3FPO	1.15	21.6	110	88.5	27.5-25.3/12.6	16
	1800	208-230/460	215JP	DJ10E2DP	\$1,036	DS-3FPO	1.15	23.1	100	89.5	27.2-24.6/12.3	16
15	3600	208-230/460	215JP	DJ15E1DP	\$1,264	DS-3FPO	1.15	23.1	140	89.5	41-36/18.1	16
	1800	200	254JP	DJ15E2HP	\$1,372	DS-3FPO	1.15	27.6	160	91.0	44	
	1800	208-230/460	254JP	DJ15E2DP	\$1,372	DS-3FPO	1.15	27.4	143	91.0	41-38/19	16
20	3600	208-230/460	254JP	DJ20E1DP	\$1,611	DS-3FPO	1.15	27.4	198	90.2	54-47/23.6	16
	3600	575	254JP	DJ20E1GP	\$1,611	DS-3FPO	1.15	27.4	195	90.2	18.9	
	1800	208-230/460	256JP	DJ20E2DP	\$1,579	DS-3FPO	1.15	28.1	195	91.0	55-50/24.8	16
25	3600	208-230/460	256JP	DJ25E1DP	\$2,094	DS-3FPO	1.15	28.1	210	91.0	66-58/29	16
	1800	208-230/460	284JP	DJ25E2DP	\$2,406	DS-3FPO	1.15	28.6	213	92.4	66-60/30	16
	1800	575	284JP	DJ25E2GP	\$2,406	DS-3FPO	1.15	28.6	213	91.7	24.4	
30	3600	208-230/460	284JP	DJ30E1DP	\$3,193	DS-3FPO	1.15	28.6	230	91.0	80-70/35	16
	1800	208-230/460	286JP	DJ30E2DP	\$2,767	DS-3FPO	1.15	28.6	230	92.4	78-71/35	16
40	3600	208-230/460	286JP	DJ40E1DP	\$3,512	DS-3FPO	1.15	28.6	300	91.7	103-90/45	16
	3600	575	286JP	DJ40E1GP	\$3,512	DS-3FPO	1.15	28.6	320	91.7	36	
	1800	208-230/460	324JP	DJ40E2DP	\$3,597	DS-3FPO	1.15	30.4	412	93.6	102-91/46	17
50	3600	460	324JP	DJ50E1EP	\$4,829	DS-3FPO	1.15	30.4	420	92.4	58	17
	1800	230/460	326JP	DJ50E2EP	\$4,137	DS-3FPO	1.15	30.4	427	93.6	114/57	17
60	3600	230/460	326JP	DJ60E1EP	\$5,553	DS-3FPO	1.25	30.4	460	93.0	136/68	17

Westcoast Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
7 1/2	1800	208-230/460	213TCZ	DJ7E2DJ	\$881	DS-3FPO	1.15	18.8	113	88.5	21-19.2/9.6	
10	3600	208-230/460	213TCZ	DJ10E1DJ	\$1,076	DS-3FPO	1.15	20.8	110	88.5	27.5-25.3/12.6	
	1800	208-230/460	215TCZ	DJ10E2DJ	\$1,036	DS-3FPO	1.15	22.3	100	89.5	27.2-24.6/12.3	
15	3600	208-230/460	215TCZ	DJ15E1DJ	\$1,263	DS-3FPO	1.15	22.3	140	89.5	41-36/18.1	

Note 16 Motors marked 208-230/460 volts may not meet all NEMA®† (MG-1) performance standards when operated at 208 volts

Note 17 Twelve leads for across-the-line or wye-delta start on either voltage, part winding start on lower voltage

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Three Phase Open Dripproof (ODP) Energy Efficient



FD4

(continued)

JM Shaft - Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JM	DJ1E2DU	\$531	DS-3FPO	1.15	15.8	41	82.5	3.1-3/1.5	03
1 1/2	3600	208-230/460	143JM	DJ32E1DU	\$576	DS-3FPO	1.15	15.8	41	82.5	4.3-4/2	03
	1800	208-230/460	145JM	DJ32E2DU	\$548	DS-3FPO	1.15	15.8	40	84.0	4.5-4.4/2.2	03
2	1800	208-230/460	145JM	DJ2E2DU	\$564	DS-3FPO	1.15	15.8	45	84.0	6-5.9/3	03
3	1800	208-230/460	182JM	DJ3E2DU	\$665	DS-3POV	1.15	18.6	50	86.5	8.6-8.4/4.2	03
5	3600	208-230/460	182JM	DJ5E1DU	\$840	DS-3POV	1.15	18.6	50	85.5	14.1-12.8/6.4	03
	1800	208-230/460	184JM	DJ5E2DU	\$778	DS-3POV	1.15	18.6	75	87.5	14-12.7/6.4	03
7 1/2	3600	208-230/460	184JM	DJ7E1DU	\$987	DS-3POV	1.15	18.6	85	87.5	20.4-18.1/9.1	03
	1800	208-230/460	213JM	DJ7E2DU	\$1,031	DS-3POV	1.15	18.8	113	88.5	21-19.2/9.6	
10	3600	208-230/460	213JM	DJ10E1DU	\$1,259	DS-3POV	1.15	18.8	110	88.5	27.5-25.3/12.6	
	1800	208-230/460	215JM	DJ10E2DU	\$1,213	DS-3POV	1.15	20.8	100	89.5	27.2-24.6/12.3	
15	3600	208-230/460	215JM	DJ15E1DU	\$1,479	DS-3POV	1.15	20.8	140	89.5	41-36/18.1	16
	1800	208-230/460	254JM	DJ15E2DU	\$1,655	DS-3POV	1.15	27.6	160	91.0	41-38/19	03
20	3600	208-230/460	254JM	DJ20E1DU	\$1,942	DS-3POV	1.15	27.6	160	90.2	54-47/23.6	03

Note 03 60/50 Hertz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 16 Motors marked 208-230/460 volts may not meet all NEMA^{®†} (MG-1) performance standards when operated at 208 volts

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Single Phase, Totally Enclosed Fan Cooled (TEFC)



UTM4,
UTM1

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used where dirt and moisture are minimal.

FEATURES:

- Class F Insulation
- Extruded Aluminum Frame
- Oversized Ball Bearings w/Locked Shaft End Construction
- Reversible Rotation
- F1 Assembly Position
- Aluminum End Shields with Steel Bearing Inserts
- Shaft Slinger On Pulley End For IP54 Protection
- Removable Base
- Lifting Provisions
- "JM" Shaft For Mechanical Seal, "JP" Shaft For Packing Seal

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Amps	Notes
3	3600	115/230	184JM	UJ3C1P18M	\$1,042	DS-3PT	1.15	20.3	82	32.0/16.0	18
	1800	115/230	184JM	UJ3C2P18M	\$872	DS-3PT	1.15	20.3	80	30.0/15.0	18
	1800	115/230	184JM	UJ3C2P18M	\$872	DS-3PT	1.15	20.3	80	30.0/15.0	18
5	3600	230	184JM	UJ5C1K18M	\$1,259	DS-3PT	1.15	20.3	80	19.6	18
	1800	230	215JM	UJ5C2K21M	\$1,181	DS-3PT	1.15	22.3	90	23.0	18
7 1/2	3600	230	215JM	UJ7C1K21M	\$1,487	DS-3PT	1.15	22.3	133	30.3	18
	1800	230	215JM	UJ7C2K21M	\$1,282	DS-3PT	1.15	22.3	210	33.5	18
10	3600	230	215JM	UJ10C1K21M	\$1,813	DS-3PT	1.15	22.3	210	40.0	18
	1800	230	215JM	UJ10C2K21M	\$1,694	DS-3PT	1.15	22.3	210	43.0	18

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Amps	Notes
3	1800	115/230	184JP	UJ3C2P18P	\$872	DS-3PT	1.15	23.3	80	30.0/15.0	18
5	3600	230	184JP	UJ5C1K18P	\$1,259	DS-3PT	1.15	23.3	80	19.6	18
	1800	230	215JP	UJ5C2K21P	\$1,181	DS-3PT	1.15	26.2	90	23.0	18
7 1/2	3600	230	215JP	UJ7C1K21P	\$1,487	DS-3PT	1.15	26.2	180	30.3	18
	1800	230	215JP	UJ7C2K21P	\$1,282	DS-3PT	1.15	26.2	120	33.5	18
10	3600	230	215JP	UJ10C1K21P	\$1,813	DS-3PT	1.15	26.2	145	40.0	18
	1800	230	215JP	UJ10C2K21P	\$1,694	DS-3PT	1.15	26.2	140	43.0	18

Note 18 Incorporates Run Capacitor

† All marks shown within this document are properties of their respective owners.



Special Application Close Coupled Pump Single Phase Open Dripproof (ODP)



APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft.
Used where dirt and moisture are minimal.

FEATURES:

- Class F Insulation
- Rolled Steel Frame
- Oversized Ball Bearings w/Locked Shaft End Construction
- Reversible
- F1 Assembly Position
- Shaft Slinger On Pulley End
- Lifting Provisions 180 Frame & Up
- "JM" Shaft For Mechanical Seal, "JP" Shaft for Packing Seal

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1	1800	115/208-230	143JM	EJM104B	\$498	DS-3PO	1.15	13.8	33	14.2/7.2-7.1	25
1 1/2	1800	115/208-230	145JM	EJM154B	\$589	DS-3PO	1.15	13.8	34	16.0/8.3-8.0	18,25
2	3600	115/208-230	145JM	EJM202B	\$656	DS-3PO	1.15	14.6	35	19.6/10.7-9.8	18,25
	1800	115/230	182JM	DJ2C2P18M	\$711	DS-3PO	1.15	17.5	70	23.2/11.6	18
3	3600	115/230	182JM	DJ3C1P18M	\$786	DS-3PO	1.15	19.6	81	16.0/32.0	18
	3600	208-230	182JM	EJM302B	\$647	DS-3PO	1.15	15.3	40	14.0-13.2	18,25
	1800	115/230	184JM	DJ3C2P18M	\$716	DS-3PO	1.15	17.5	66	38.0/19.0	18
5	3600	208-230	184JM	EJM502B	\$747	DS-3PO	1.15	16.3	45	24.0-23.7	18,25
	3600	230	184JM	DJ5C1K18M	\$945	DS-3PO	1.15	19.6	82	19.6	18
	1800	230	184JM	DJ5C2K18M	\$904	DS-3PO	1.15	19.6	86	22.0	18
	1800	230	213JM	DJ5C2K21M	\$1,087	DS-3PO	1.15	20.5	105	22.0	25
7 1/2	3600	230	184JM	DJ7C1K18M	\$1,135	DS-3PO	1.15	19.6	83	31.4	18,25
	3600	230	213JM	DJ7C1K21M	\$1,364	DS-3PO	1.15	20.5	141	30.4	25
	1800	230	215JM	DJ7C2K21M	\$1,161	DS-3PO	1.15	22.0	110	35.6	25
10	3600	230	215JM	DJ10C1K21M	\$1,601	DS-3PO	1.15	22.0	173	40.0	25
	1800	230	215JM	DJ10C2K21M	\$1,476	DS-3PO	1.15	22.0	115	42.2	25

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
3	3600	115/230	182JP	DJ3C1P18P	\$786	DS-3PO	1.15	22.7	81	16.0/32.0	18
	1800	115/230	184JP	DJ3C2P18P	\$716	DS-3PO	1.15	20.6	66	38.0/19.0	
5	3600	230	184JP	DJ5C1K18P	\$945	DS-3PO	1.15	22.7	82	19.6	18
	1800	230	184JP	DJ5C2K18P	\$904	DS-3PO	1.15	22.7	86	22.0	18
7 1/2	3600	230	213JP	DJ7C1K21P	\$1,364	DS-3PO	1.15	24.5	141	30.4	25
	1800	230	215JP	DJ7C2K21P	\$1,161	DS-3PO	1.15	26.0	110	35.6	25
10	3600	230	215JP	DJ10C1K21P	\$1,601	DS-3PO	1.15	26.0	173	40.0	25
	1800	230	215JP	DJ10C2K21P	\$1,476	DS-3PO	1.15	26.0	115	42.2	25

Note 18 Incorporates Run Capacitor

Note 25 Non-protected

† All marks shown within this document are properties of their respective owners.



The Difference is **U.S. MOTORS®**

Conventional.
Surface.
Longwall.
**Diverse mining applications?
No problem.**

Choose the motor designed for the challenges you face. NEMA Premium^{®†} efficient U.S. MOTORS[®] brand 841 PLUS[®] motors are engineered specifically for severe duty environments and are ideal for constant speed or inverter duty applications typically found in the mining industry. Low-loss silicone steel construction and streamlined design enables the 841 PLUS to operate at lower temperatures resulting in lower energy costs and reduced downtime.

In addition to the 841 PLUS, Nidec Motor Corporation offers a full complement of motor solutions for the mining industry including TITAN[®] horizontal and vertical motors. For more information about Nidec Motor Corporation solutions for the mining industry, visit www.nidec-motor.com or www.usmotors.com. Better yet, give us a call at **877-532-8988**.

Driving the mining industry forward with leading-edge motor technologies.



NIDEC MOTOR CORPORATION

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Fire Pump Motors

For fire pump applications per NFPA^{®†} 20 where contaminants are minimal.



Horsepower: 7.5 – 250 HP

Phase: Three Phase

RPM: 1800 and 3600 RPM

Voltage:

- 575
- 208-230/460
- 200/400
- 230/460 Volts

Efficiency: Energy Efficient

Enclosure:

- Open Dripproof (ODP)

Mounting:

- Footed and Footless
- Vertical and Horizontal

Vertical Shaft Type:

JP Close Coupled Pump Mounting



NFPA^{®†}: National Fire Protection Association

A worldwide leader in providing fire, electrical, and life safety to the public since 1896. The mission of the international nonprofit NFPA^{®†} is to reduce the worldwide burden of fire and other hazards on the quality of life by providing and advocating scientifically-based consensus codes and standards, research, training and education. NFPA^{®†} membership totals more than 75,000 individuals from around the world and more than 80 national trade and professional organizations.

For more information, go to www.nfpa.org.

U.S. MOTORS[®] brand fire pump products are fully compliant with federal motor efficiency requirements as described in the Energy Independence and Security Act of 2007 also known as EISA. All fire pump motors provide necessary identifying nameplate data.



Three Phase, ODP Motor

[†] All marks shown within this document are properties of their respective owners.

Special Application Three Phase, Open Dripproof (ODP) UL^{®†} Listed for Fire Pump Applications



R, D,
FD, FR

APPLICATIONS:

For fire pump applications per NFPA^{®†} 20 where contaminants are minimal.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame 250-320, Cast Iron Frame 360-440
- Aluminum End Shields 250, Cast Iron End Shields 280-440
- Premasked Mylar Nameplate 250-320, Stainless Steel 360-440 Frame
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Larger
- Double Shielded Bearings 250-400, Open On 440 Frame
- Lifting Provisions 210 Frame & Larger
- Suitable For Wye-Delta Start 250 Frame & Larger
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- 230/460 & 575 Volt Ratings Comply With NRCAN Standards
- 230/460V Ratings Dual Plated For 190/380V 50 Hertz, Next Lower Horsepower
- Oversized Connection Diagram, "CE" Mark On Nameplate

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
20	3600	200/400	254T	FF20E1X	\$2,313	DS-3FFP	1.15	22.6	160	90.2	54/26.9	
	3600	208-230/460	254T	FF20E1A	\$2,313	DS-3FFP	1.15	22.6	162	90.2	54-47/23.6	
	1800	208-230/460	256T	FF20E2A	\$2,120	DS-3FFP	1.15	23.2	360	91.0	54-50/24.9	
	1800	400	256T	FF20E2X	\$2,120	DS-3FFP	1.15	23.2	160	91.0	29.1	17
25	3600	200/400	256T	FF25E1X	\$2,802	DS-3FFP	1.15	23.2	160	91.0	66/33	
	3600	208-230/460	256T	FF25E1A	\$2,802	DS-3FFP	1.15	23.2	172	91.0	66-58/29	
	1800	200/400	284TS	FF25E2XS	\$2,571	DS-3FFP	1.15	23.5	300	91.7	70/35	
	1800	208-230/460	284TS	FF25E2AS	\$2,571	DS-3FFP	1.15	23.5	300	92.4	66-60/30	
	1800	575	284TS	FF25E2GS	\$2,571	DS-3FFP	1.15	23.5	312	91.7	24.4	38
30	3600	200/400	284TS	FF30E1XS	\$3,276	DS-3FFP	1.15	23.5	300	92.4	78/39	
	3600	208-230/460	284TS	FF30E1AS	\$3,276	DS-3FFP	1.15	23.5	312	91.0	80-70/35	
	1800	200/400	286TS	FF30E2XS	\$3,006	DS-3FFP	1.15	23.5	350	93.6	79/40	
	1800	208-230/460	286TS	FF30E2AS	\$3,006	DS-3FFP	1.15	23.5	337	92.4	78-71/35	
40	3600	200/400	286TS	FF40E1XS	\$4,066	DS-3FFP	1.15	23.5	350	91.7	106/53	
	3600	208-230/460	286TS	FF40E1AS	\$4,066	DS-3FFP	1.15	23.5	337	91.7	104-90/45	
	3600	575	286TS	FF40E1GS	\$4,066	DS-3FFP	1.15	23.5	337	91.7	36	38
	1800	200/400	324TS	FF40E2XS	\$3,730	DS-3FFP	1.15	25.8	385	93.6	105/53	02
	1800	208-230/460	324TS	FF40E2AS	\$3,730	DS-3FFP	1.15	25.8	416	93.6	102-91/46	
	1800	575	324TS	FF40E2GS	\$3,730	DS-3FFP	1.15	25.8	416	93.0	37	38
50	3600	200/400	324TS	FF50E1XS	\$4,905	DS-3FFP	1.15	25.8	385	92.4	134/67	02
	3600	208-230/460	324TS	FF50E1AS	\$4,905	DS-3FFP	1.15	25.8	416	92.4	129-116/58	
	3600	575	324TS	FF50E1GS	\$4,905	DS-3FFP	1.15	25.8	416	92.4	46	38
	1800	200/400	326TS	FF50E2XS	\$4,501	DS-3FFP	1.15	25.8	415	93.6	131/65	02
	1800	208-230/460	326TS	FF50E2AS	\$4,501	DS-3FFP	1.15	25.8	446	93.6	128-114/57	
	1800	575	326TS	FF50E2GS	\$4,501	DS-3FFP	1.15	25.8	446	93.0	46	38
60	3600	200/400	326TS	FF60E1XS	\$6,054	DS-3FFP	1.15	25.8	415	93.0	156/78	02
	3600	208-230/460	326TS	FF60E1BS	\$6,054	DS-3FFP	1.15	25.8	478	93.0	155-136/68	
	3600	575	326TS	FF60E1GS	\$6,054	DS-3FFP	1.15	25.8	446	93.0	54	38
	1800	200/400	364TS	FF60E2XS	\$5,554	DS-3FFP	1.15	26.6	580	94.1	159/80	
	1800	230/460	364TS	FF60E2BS	\$5,554	DS-3FFP	1.15	26.6	611	93.6	150/75	
	1800	575	364TS	FF60E2GS	\$5,554	DS-3FFP	1.15	26.6	580	94.1	55	38
75	3600	200/400	364TS	FF75E1XS	\$7,430	DS-3FFP	1.15	26.6	580	93.0	200/100	
	3600	230/460	364TS	FF75E1ES	\$7,430	DS-3FFP	1.15	26.6	611	94.1	171/85	
	3600	575	364TS	FF75E1GS	\$7,430	DS-3FFP	1.15	26.6	580	94.1	68	38
	1800	200/400	365TS	FF75E2XS	\$6,816	DS-3FFP	1.15	27.6	600	94.1	199/99	
	1800	230/460	365TS	FF75E2BS	\$6,816	DS-3FFP	1.15	27.6	631	94.1	172/86	
	1800	575	365TS	FF75E2GS	\$6,816	DS-3FFP	1.15	27.6	600	95.0	70	38

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 17 Twelve leads for across-the-line or wye-delta start on either voltage, part winding start on lower voltage
 Note 38 Q-6 Leads for across-the-line or wye-delta start

† All marks shown within this document are properties of their respective owners.



Special Application Three Phase, Open Dripproof (ODP) UL^{®†} Listed for Fire Pump Applications



R, D,
FD, FR

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
100	3600	200/400	365TS	FF100E1XS	\$8,109	DS-3FFP	1.15	27.6	600	93.0	260/130	
	3600	230/460	365TS	FF100E1BS	\$8,109	DS-3FFP	1.15	27.6	631	93.6	225/112	
	3600	575	365TS	FF100E1GS	\$8,109	DS-3FFP	1.15	27.6	631	94.1	89	38
	1800	200/400	404TS	FF100E2XS	\$7,440	DS-3FFP	1.15	29.6	750	94.5	261/130	
	1800	230/460	404TS	FF100E2BS	\$7,440	DS-3FFP	1.15	29.6	885	94.5	226/113	
	1800	575	404TS	FF100E2GS	\$7,440	DS-3FFP	1.15	29.6	750	95.0	90	38
125	3600	460	404TS	FF125E1CS	\$9,324	DS-3FFP	1.15	29.6	815	94.1	137	47
	3600	575	404TS	FF125E1GS	\$9,324	DS-3FFP	1.15	29.6	750	94.1	110	38
	1800	460	405TS	FF125E2CS	\$8,554	DS-3FFP	1.15	31.1	800	95.0	140	47
	1800	575	405TS	FF125E2GS	\$8,554	DS-3FFP	1.15	31.1	813	95.0	112	38
150	3600	460	405TS	FF150E1CS	\$12,068	DS-3FFP	1.15	31.1	750	93.6	165	47
	3600	575	405TS	FF150E1GS	\$12,068	DS-3FFP	1.15	31.1	813	93.6	132	38
	1800	460	444TS	FF150E2CS	\$11,072	DS-3FFP	1.15	34.0	1118	95.4	171	
	1800	575	444TS	FF150E2GS	\$11,072	DS-3FFP	1.15	34.0	1100	95.4	134	38
200	3600	460	444TS	FF200E1CS	\$14,082	DS-3FFP	1.15	34.0	1100	94.5	226	47
	3600	575	444TS	FF200E1GS	\$14,082	DS-3FFP	1.15	34.0	1100	94.5	181	38
	1800	460	445TS	FF200E2CS	\$12,919	DS-3FFP	1.15	36.0	1220	95.0	235	47
250	3600	460	445TS	FF250E1FS	\$16,688	DS-3FFP	1.15	36.0	1200	95.0	281	47
	1800	460	445TS	FF250E2FS	\$15,310	DS-3FFP	1.15	36.0	1700	95.4	277	47
	1800	575	445TS	FF250E2GS	\$15,310	DS-3FFP	1.15	36.0	1200	95.4	221	38

Note 38 Q-6 Leads for across-the-line or wye-delta start
 Note 47 Q-12 leads for across-the-line, wye-delta or part winding start

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HURST
MOTORS AND
GEARING

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Special Application Three Phase, Open Dripproof (ODP) Vertical Close Coupled Pump UL^{®†} Listed for Fire Pump Applications

APPLICATIONS:

For fire pump applications per NFPA^{®†} 20 where contaminants are minimal.



DF1, FDF1,
RF1, FRF1

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame 180-320, Cast Iron Frame On 360
- Aluminum End Shields 180-250, Cast Iron End Shields 280-360
- Premasked Mylar Nameplate 180-320, Stainless Steel On 360
- 40°C Ambient, NEMA^{®†} Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Larger
- Double Shielded Bearings
- Lifting Provisions 210 Frame & Larger
- Suitable For Wye-Delta Start 250 Frame & Larger
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- 575 Volt Ratings Comply With NRCAN Standards
- Oversized Connection Diagram, "CE" Mark On Nameplate

JP Shaft - Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
7 1/2	3600	200/400	184JP	FF7E1XV	\$1,027	DS-3FFP	1.15	21.7	75	88.5	20.7/10.3	
	3600	208-230/460	184JP	FF7E1DV	\$1,027	DS-3FFP	1.15	21.7	75	87.5	20.4-18.1/9.1	
10	3600	200/400	213JP	FF10E1XV	\$1,432	DS-3FFP	1.15	22.8	110	88.5	29.2/14.6	
	3600	200/400	213JP	FF10S1XV	\$1,283	DS-3FFP	1.15	22.5	110	88.5	29.7/14.8	
	3600	208-230/460	213JP	FF10E1DV	\$1,432	DS-3FFP	1.15	22.8	110	88.5	27.5-25.3/12.6	
15	3600	200/400	215JP	FF15E1XV	\$1,682	DS-3FFP	1.15	22.8	140	89.5	41/20.7	
	3600	200/400	215JP	FF15S1XV	\$1,507	DS-3FFP	1.15	24.0	110	90.2	41/20.6	
	3600	208-230/460	215JP	FF15E1DV	\$1,682	DS-3FFP	1.15	22.8	140	89.5	41-36/18.1	
	3600	575	215JP	FF15E1GV	\$1,642	DS-3FFP	1.15	24.0	140	89.5	14.5	
20	3600	200/400	254JP	FF20E1XV	\$2,094	DS-3FFP	1.15	27.6	160	90.2	54/27.1	
	3600	208-230/460	254JP	FF20E1DV	\$2,094	DS-3FFP	1.15	27.6	240	90.2	54-47/23.6	
	3600	575	254JP	FF20E1GV	\$2,094	DS-3FFP	1.15	28.3	160	90.2	18.9	
25	3600	200/400	256JP	FF25E1XV	\$2,721	DS-3FFP	1.15	28.3	250	91.0	67/33	
	3600	208-230/460	256JP	FF25E1DV	\$2,721	DS-3FFP	1.15	28.3	248	91.0	67-58/28.9	
	3600	575	256JP	FF25E1GV	\$2,721	DS-3FFP	1.15	28.3	195	91.0	23.2	
30	3600	200/400	284JP	FF30E1XV	\$4,150	DS-3FFP	1.15	29.0	300	92.4	78/39	
	3600	208-230/460	284JP	FF30E1DV	\$4,150	DS-3FFP	1.15	29.0	300	92.4	79-68/34	
	3600	575	284JP	FF30E1GV	\$4,150	DS-3FFP	1.15	29.0	230	91.0	27.9	
40	3600	200/400	286JP	FF40E1XV	\$4,566	DS-3FFP	1.15	29.0	350	91.7	106/53	
	3600	208-230/460	286JP	FF40E1DV	\$4,566	DS-3FFP	1.15	29.0	350	93.0	104-90/45	
	3600	575	286JP	FF40E1GV	\$4,566	DS-3FFP	1.15	29.0	320	91.7	36	
50	3600	200/400	324JP	FF50E1XV	\$6,278	DS-3FFP	1.15	38.8	385	92.4	134/67	02
	3600	208-230/460	324JP	FF50E1DV	\$6,278	DS-3FFP	1.15	38.8	385	92.4	130-117/59	02
	3600	575	324JP	FF50E1GV	\$6,278	DS-3FFP	1.15	38.8	400	92.4	46	
60	3600	200/400	326JP	FF60E1XV	\$7,219	DS-3FFP	1.15	38.8	620	93.0	156/78	02
	3600	208-230/460	326JP	FF60E1DV	\$7,219	DS-3FFP	1.15	38.8	460	93.6	152-134/67	
	3600	575	326JP	FF60E1GV	\$7,219	DS-3FFP	1.15	38.8	460	93.0	54	
75	3600	200/400	364JP	FF75E1XV	\$9,415	DS-3FFP	1.15	30.5	580	93.0	196/98	
	3600	230/460	364JP	FF75E1EV	\$9,415	DS-3FFP	1.15	30.5	580	93.0	172/86	
	3600	575	364JP	FF75E1GV	\$9,415	DS-3FFP	1.15	30.5	582	92.4	69	
100	3600	200/400	365JP	FF100E1XV	\$10,828	DS-3FFP	1.15	30.5	600	93.0	258/129	
	3600	230/460	365JP	FF100E1EV	\$10,828	DS-3FFP	1.15	30.5	600	93.0	227/113	
	3600	575	365JP	FF100E1GV	\$10,828	DS-3FFP	1.15	30.5	604	93.0	90	

Note 02 Suitable for Wye-Delta start on voltages shown

† All marks shown within this document are properties of their respective owners.



Pool & Spa Motors

For use in commercial and residential pools and spas



Frame Size: NEMA[†] 48 and 56

Horsepower: 1/2 through 5 HP

Phase: Single and Three Phase

RPM: 60 Cycle - 3450 & 3450/1725
50 Cycle - 2850 & 2850/1425

Speeds: Single and Two Speed (Hard & Soft Start)

Voltage: 230/115, 230 Standard Efficiency, 208-230/115, 208-230 Premium Efficiency

Efficiency: Standard and Premium Efficient

Enclosure: Open Dripproof (ODP)

Mounting:

- Square Flange
- C Flange Threaded
- C Flange Keyed
- Thru-Bolt

Agency: UL[†] Recognized and CSA[†] Certified

Bearings: Open Dripproof (ODP)

- 56 Frame - Sealed Ball
- 48 Frame - Sealed Ball

Warranty: All Pool and Spa motors have a limited 12 month warranty from the date of install or 24 months from date of manufacturing, whichever comes first.



Pool & Spa Motors

Energy efficiency is top of mind for everyone these days and we've answered the call by introducing two programmable pool motors into our line...the EcoTech EZ[®] Speed motor with an integrated timer. Both are easy to install and easy to program. And, with a one-year payback and continued savings throughout the life of the motor, these new products will top your best seller list.

Other new additions to our line are the Pentair[®] EQ Pump Series replacement pool motor and the C-Face and Square-Flange Totally Enclosed Fan Cooled pool motors.

ecotech **EZ**[™]

2EZ[™]
S P E E D

INNOVATION *MADE* **EZ**[™]

[†] All marks shown within this document are properties of their respective owners.

Pool & Spa OEM Pump/Motor Replacement Guide

Square Flange and C-Flange Motors

Square Flange and C-Flange Motors

Motors and pumps need to be properly matched to one another to provide consistent, predictable performance. When selecting your NIDEC replacement motor you will need to know six important pieces of information:

- 1) Pump Mounting (ie. Square Flange, C-Flange, etc.)
- 2) Horsepower
- 3) Service Factor
- 4) Voltage
- 5) Frequency
- 6) Phase

Most of this information can be attained from the motor nameplate. Always be sure that the total of horsepower times service factor of your new NIDEC motor is equal to or greater than the total of horsepower times service factor of the original motor.

**Total Output HP = (horsepower) X (service factor)
= THP or SFHP**

PUMP OEM	BRAND NAME	CATEGORY
American	American Eagle	J
American	(Ultra-Flow/Power Pump)	S
Aqua Flo	Ultra flow	C
Aqua Flo	Dominator	S
Astral	2000 Series	J
Baker Hydro	Hydron	J
Hayward	Super Pump ^{®†}	J
Hayward	Super Pump ^{®†} II	J
Hayward	Max-Flo ^{®†}	J
Hayward	Max-Flo II [®]	N
Hayward	Northstar	S
Hayward	Tristar ^{®†}	T
ITT Marlow	Argonaut	J
Jacuzzi Bros.	Bronze	C
Jacuzzi Bros.	Cygnets ^{®†}	S
Jacuzzi Bros.	Plastic	J
Jacuzzi Bros.	Magnum ^{®†} /Magnum Force ^{®†}	J
Letro	Legend ^{®†}	P
Pentair/American	Ultra-Flow ^{®†}	S
Pentair/Pac Fab	Challenger ^{®†}	S
Pentair/Pac Fab	Hydro Pump ^{®†}	C
Pentair/Purex	Pinnacle ^{®†}	S
Pentair/Purex/Hydrotech		J
Polaris	Vac-Sweep ^{®†} PB4 Booste Pump	P
Premier/Springwater		C
Speck Pumps		J
Sta-Rite	Models 90, 98, 423,433, 21-80	S
Sta-Rite	Dura-Glas ^{®†} /Max-E-Glas ^{®†}	S
Waterway	Dura-Glas ^{®†} II/Max-E-Glas ^{®†} II	S
Wet Institute	SVL56	C
WMC		J

CATEGORY "N" HAYWARD NORTHSTAR C-FLANGE THREADED SHAFT

HP	SERVICE FACTOR	VOLTAGE	ENERGY EFFICIENT EXTREME E [®] 6.5" Frame
3/4	1.85	208-230/115	ESN1072
1	1.40	208-230/115	EUSN1102
1	1.85	208-230/115	ESN1102
1.5	1.25	208-230/115	EUSN1152
1.5	1.60	208-230/115	ESN1152
2	1.20	208-230/115	EUSN1202
2	1.35	208-230	ESN1202
3	1.20	208-230	EUSN1302
3	1.60	208-230	ESN1302

CATEGORY "C" NEMA C-FLANGE KEYED SHAFT

HP	SERVICE FACTOR	VOLTAGE	STANDARD EFFICIENCY 6.5" Frame	ENERGY EFFICIENT EXTREME E [®] 6.5" Frame
1/2	1.60	230/115	EB120	EB656
3/4	1.50	230/115	EB121	EB634
1	1.40	230/115	EB122	EB653
1.5	1.30	230/115	EB123	EB795
2	1.20	230	EB124	EB808
3	1.15	208-230		EB817

CATEGORY "T" HAYWARD TRISTAR REPLACEMENTS-SQUARE FLANGE

HP	SERVICE FACTOR	VOLTAGE	STANDARD EFFICIENCY 6.5" Frame	ENERGY EFFICIENT extreme-E [®] 6.5" Frame
1/2	1.98	208-230/115		ET3205
3/4	1.85	208-230/115		ET3207
3/4	1.25	230/115	EB852	
1	1.85	208-230/115		ET3210
1	1.25	230/115	EB853	
1.5	1.60	208-230/115		ET3215
1.5	1.10	230/115	EB854	
2	1.35	208-230		ET3220
2	1.10	230/115	EB859	
2.5	1.04	230	EB840	
3	1.15	208-230	EB844	

CATEGORY "J" NEMA C-FLANGE THREADED SHAFT

HP	SERVICE FACTOR	VOLTAGE	STANDARD EFFICIENCY 6.5" Frame 5.5" Frame	ENERGY EFFICIENT EXTREME E [®] 6.5" Frame 5.5" Frame
1/2	1.60	230/115	EB126 EST1052	EB657 ECT1052
3/4	1.00	230/115	EB227 EUST1072	
	1.50	230/115	EB127 EST1072	EB638 ECT1072
1	1.00	230/115	EB228 EUST1102	
	1.40	230/115	EB128 EST1102	EB654 ECT1102
1.5	1.00	230/115	EB229 EUST1152	
	1.30	230/115	EB129 EST1152	EB796
2	1.00	230/115	EB230 EUST1202	
	1.20	230	EB130 EST1202	EB809
2.5	1.00	230	EB231 EUST1252	
3	1.15	208-230		EB818
5	1.00	208-230		EB819

CATEGORY "S" SQUARE FLANGE

HP	SERVICE FACTOR	VOLTAGE	STANDARD EFFICIENCY 6.5" Frame 5.5" Frame	ENERGY EFFICIENT EXTREME E [®] 6.5" Frame 5.5" Frame
1/2	1.30	230/115		EUSQ1052
	1.90	230/115	EB846 ESQ1052	EB845 EQC1052
3/4	1.27	230/115	EB852 EUSQ1072	EUQC1072
	1.65	230/115	EB847 ESQ1072	EB661 EQC1072
1	1.25	230/115	EB853 EUSQ1102	EUQC1102
	1.65	230/115	EB848 ESQ1102	EB841 EQC1102
1.5	1.10	230/115	EB854 EUSQ1152	EUQC1152
	1.50	230/115	EB858 ESQ1152	EB842
2	1.10	230/115	EB859 EUSQ1202	
	1.30	230	EB748 ESQ1202	EB843
2.5	1.04	230	EB840 EUSQ1252	
3	1.15	208-230	EB844	EB844
5	1.00	208-230		EB850

CATEGORY "P" POOL CLEANERS

HP	SERVICE FACTOR	VOLTAGE	BRAND	NIDEC 56" 6.5" Frame
3/4	1.50	230/115	Polaris	EB625
	1.50	230/115	Letro	EB668

† All marks shown within this document are properties of their respective owners.



EcoTech® EZ Variable Speed Motor/Control

Switchless Design, 6.5" Frame Diameter, Category "S" & "J"



FEATURES:

- Shaft Threads - (Square Flange)
1/2-20 UNC-2A or (C-Flange) 7/16-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- 1081 Design
- Continuous Duty
- Class B Insulated
- Totally Enclosed, Fan Cooled
- Sealed Ball Bearings
- 90% Motor Efficiency
- 303 Stainless Steel Shaft
- Brushless Permanent Magnet Motor
- Variable RPM, 1035-3450
- California Title 20 Compliant
- Multiple Sizes to Fit Pump Ratings
- Fully Integrated Motor Control
- Program for Various Flows (Speeds)
- Two Settings - Mon-Fri and Sat/Sun
- Four Custom Flow Settings
- Freeze Sensor
- Vacuum Override
- SVRS (where noted) Mode-Safety/Vacuum Release System
- **Discount Symbol: DS-FPS**

extreme-E Square Flange, Premium Energy Efficient, Full Service Factor, Full Rated, Category "S"

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)
1 1/2	1.60	Variable	230	60	10.0	*EVSS15-NS	\$1,200	56Y	13.25	42
3	1.15	Variable	230	60	14.0	*EVSS3	\$1,620	56Y	13.25	42 (SVRS)
3	1.15	Variable	230	60	14.0	*EVSS3-NS	\$1,250	56Y	13.25	42

extreme-E C-Flange, Premium Energy Efficient, Full Service Factor, Full Rated, Category "J"

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)
1 1/2	1.60	Variable	230	60	10.0	*EVSJ15-NS	\$1,200	56J	13.09	43
3	1.15	Variable	230	60	14.0	*EVSJ3	\$1,620	56J	13.09	43 (SVRS)
3	1.15	Variable	230	60	14.0	*EVSJ3-NS	\$1,250	56J	13.09	43

*Meets California Energy Commission Appliance Regulations 2008
(Publication Number CEC-400-2006-002-REV1)

Catalog numbers are for competitive comparison purposes only

extreme-E EXTREME E® represents our most efficient running, highest performing lines of motors.

† All marks shown within this document are properties of their respective owners.



**with Timer Switchless Design,
6.5" Frame Diameter, Category "S" & "J"**



FEATURES:

- Two Compartment
- Shaft Threads - (Square Flange) 1/2-20 UNC-2A or (C-Flange) 7/16-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- 1081 Design
- Continuous Duty
- Class B Insulated
- Open Dripproof
- Sealed Ball Bearings
- Switchless Design
- 303 Stainless Steel Shaft
- Thermally Protected
- 6.5" Diameter Frame
- Fully Integrated Motor Control
- Program for Low & High Speeds
- Two Settings - Mon-Fri and Sat/Sun
- High/Low Speed Override
- Freeze Sensor
- Discount Symbol: DS-FPS

extreme-E Square Flange, Premium Energy Efficient, Full Service Factor, Full Rated, Category "S"

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4 / 1/8	1.65	3450/1725	230	60	5.8/1.2	*EB2980T	\$565	56Y	12.05	32
1 / 0.16	1.65	3450/1725	230	60	7.4/1.3	*EB2982T	\$577	56Y	12.30	34
1 1/2 / 1/4	1.45	3450/1725	230	60	9.2/2.1	*EB2983T	\$639	56Y	12.55	36
2 / 1/3	1.30	3450/1725	230	60	10.6/2.4	*EB2984T	\$750	56Y	13.30	39

extreme-E C-Flange, Premium Energy Efficient, Full Service Factor, Full Rated, Category "J"

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4 / 1/10	1.50	3450/1725	230	60	5.6/1.2	*EB2973HT	\$563	56J	12.27	31
1 / 1/8	1.40	3450/1725	230	60	6.5/1.3	*EB2975T	\$575	56J	12.27	33
1 1/2 / 1/5	1.30	3450/1725	230	60	8.2/2.0	*EB2977T	\$637	56J	12.27	35
2 / 1/4	1.20	3450/1725	230	60	10.0/2.1	*EB2979T	\$748	56J	12.52	38

*Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)

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extreme-E EXTREME E® represents our most efficient running, highest performing lines of motors.

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56 Frame Pool & Spa Motors

Switchless Design, 6.5" Frame Diameter, Category "S" & "J"



FEATURES:

- Two Compartment
- Shaft Threads - 7/16-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- 1081 Design
- Continuous Duty
- Class B Insulated
- Open Dripproof
- Sealed Ball Bearings
- 303 Stainless Steel Shaft
- Switchless Design
- Thermally Protected
- Discount Symbol: DS-FPS

extreme  **Square Flange, Premium Energy Efficient, Full Service Factor, Full Rated**


HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4 / 1/8	1.67	3450/1725	230	60	5.8/1.2	*EB2980	\$433	56Y	12.05	30
1.0 / 0.16	1.65	3450/1725	230	60	7.4/1.3	*EB2982	\$445	56Y	12.30	32
1 1/2 / 1/4	1.47	3450/1725	230	60	9.2/2.1	*EB2983	\$507	56Y	12.55	34
2 / 1/3	1.30	3450/1725	230	60	10.6/2.4	*EB2984	\$618	56Y	13.30	37

extreme  **C-Flange, Premium Energy Efficient, Full Service Factor, Full Rated, Category "J"**

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4 / 1/10	1.50	3450/1725	230	60	5.6/1.2	*EB2973H	\$431	56J	12.27	21
1 / 1/8	1.40	3450/1725	230	60	6.5/1.3	*EB2975	\$443	56J	12.27	28
1 1/2 / 1/5	1.30	3450/1725	230	60	8.2/2.0	*EB2977	\$505	56J	12.27	32
2 / 1/4	1.20	3450/1725	230	60	10.0/2.1	*EB2979	\$616	56J	12.52	23

*Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)

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extreme  EXTREME E® represents our most efficient running, highest performing lines of motors.

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Pool & Spa Replacement Motors Superior Environmental Protection Switchless Design, 6.5" Frame Diameter, Category "J"



FEATURES:

- Shaft Threads 1/2-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- Continuous Duty
- Class B Insulated
- Totally Enclosed Fan Cooled
- Sealed Ball Bearings
- Switchless Design
- 303 Stainless Steel Shaft
- Thermally Protected
- 6.5" Diameter Frame
- 1081 Design
- **Discount Symbol: DS-FPS**

extreme-E **C-Flange, Premium Energy Efficient, Full Service Factor, Full Rated**

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4	1.50	3450	208-230/115	60	5.4-5.0/10.0	ETE638	\$374	56J	10.32	29
1	1.40	3450	208-230/115	60	6.2-5.8/11.6	ETE654	\$415	56J	10.32	30
1 1/2	1.30	3450	208-230/115	60	8.7-7.8/15.6	ETE796	\$474	56J	11.32	37
2	1.20	3450	208-230	60	10.3/9.5	ETE809	\$555	56J	11.32	37

Pool & Spa Motors Superior Environmental Protection Switchless Design, 6.5" Frame Diameter, Category "S"

FEATURES:

- Shaft Threads 1/2-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- Continuous Duty
- Class B Insulated
- Totally Enclosed Fan Cooled
- Sealed Ball Bearings
- Switchless Design
- 303 Stainless Steel Shaft
- Thermally Protected
- 6.5" Diameter Frame
- 1081 Design
- **Discount Symbol: DS-FPS**

extreme-E **Square-Flange, Premium Energy Efficient, Full Service Factor, Full Rated**

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4	1.67	3450	208-230/115	60	5.9-5.5/11.0	ETE661	\$356	56Y	11.27	30
1	1.65	3450	208-230/115	60	7.6-7.2/14.4	ETE841	\$386	56Y	11.27	31
1 1/2	1.47	3450	208-230/115	60	9.7-9.0/18.0	ETE842	\$487	56Y	12.27	38
2	1.30	3450	208-230	60	10.6/10.0	ETE843	\$579	56Y	12.27	38

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extreme-E EXTREME E® represents our most efficient running, highest performing lines of motors.

† All marks shown within this document are properties of their respective owners.



Square Flange Pool & Spa Switchless Design, 6.5" Frame Diameter, Category "S"



FEATURES:

- Two Compartment
- 1081 Design
- Open Dripproof
- 303 Stainless Steel Shaft
- Shaft Threads - 1/2-20 UNF-2A
- Voltage Selection Device (Dual Voltage Only)
- Switchless Design
- 6.5" Diameter Frame
- Triple Bearing Protection
- Continuous Duty
- Sealed Ball Bearings
- Class B Insulated
- Thermally Protected
- 50°C Ambient
- **Discount Symbol: DS-FPS**

Standard Efficient, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.95	3450	230/115	60	5.4/10.8	*EB846	\$248	56Y	11.24	22
3/4	1.65	3450	230/115	60	7.0/14.0	EB847	\$282	56Y	11.74	25
1	1.65	3450	230/115	60	7.7/15.4	EB848	\$321	56Y	11.74	26
1 1/2	1.50	3450	230/115	60	10.8/21.6	EB858	\$423	56Y	12.99	33
2	1.30	3450	230	60	11.5	EB748	\$513	56Y	12.74	33
3	1.15	3450	208-230	60	14.8/13.5	EB844	\$620	56Y	13.49	40
5	1.00	3450	208-230	60	21.0/19.4	EB850Δ	\$705	56Y	15.24	52

Standard Efficient, Low Service Factor, Up-Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4	1.25	3450	230/115	60	5.4/10.8	EB852	\$248	56Y	11.24	22
1	1.25	3450	230/115	60	7.0/14.0	EB853	\$282	56Y	11.74	25
1 1/2	1.10	3450	230/115	60	7.7/15.4	EB854	\$327	56Y	11.74	26
2	1.10	3450	230/115	60	10.8/21.6	EB859	\$423	56Y	12.99	33
2 1/2	1.04	3450	230	60	11.5	EB840	\$523	56Y	12.74	33

extremE Premium Energy Efficient, Full Service Factor, Full Rated (Suitable For 50 Hertz, 1.0 Service Factor)

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.90	3450	208-230/115	60	4.4-4.2/8.4	*EB845	\$292	56Y	11.24	22
3/4	1.67	3450	208-230/115	60	5.9-5.5/11.0	EB661	\$321	56Y	11.74	25
1	1.65	3450	208-230/115	60	7.6-7.2/14.4	EB841	\$348	56Y	11.74	26
1 1/2	1.47	3450	208-230/115	60	9.7-9.0/18.0	EB842	\$439	56Y	12.99	33
2	1.30	3450	208-230	60	10.6/10.0	EB843	\$522	56Y	12.74	33
3	1.15	3450	208-230	60	14.8/13.5	EB844	\$620	56Y	13.49	40
5	1.00	3450	208-230	60	21.0/19.4	EB850Δ	\$705	56Y	15.24	52

extremE Premium Energy Efficient, Two Speed, Full Service Factor, Full Rated, Soft Start, Switch Design

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4 / 1/8	1.67	3450/1725	115	60	14.5/5.3	*EB981	\$449	56Y	12.30	30
	1.67	3450/1725	230	60	6.2/2.4	*EB980	\$449	56Y	12.30	30
1.0 / 0.16	1.65	3450/1725	230	60	8.0/2.9	*EB982	\$471	56Y	12.55	34
1 1/2 / 1/4	1.47	3450/1725	230	60	10.0/3.5	*EB983	\$560	56Y	13.05	42
2 / 1/3	1.30	3450/1725	230	60	11.0/4.0	*EB984	\$716	56Y	13.30	47

STA-RITE® Max-E-GLAS™ / DURA-GLAS™ Replacement Motor Base Available B3574344900000L
 *Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)
 Δ 190 Volt Maximum Operating Voltage for 50 Hertz
 NOTE: Toggle switch cover assembly available for two speed models - LO-OFF-HI-X2975769700000L

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extremE represents our most efficient running, highest performing lines of motors.

† All marks shown within this document are properties of their respective owners.



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FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

HAYWARD^{®†} TriStar[™] Replacement Square Flange 6.5" Frame Diameter, Category "T"



FEATURES:

- Two Compartment
- 1081 Design
- Open Dripproof
- 303 Stainless Steel Shaft
- Shaft Threads - 1/2-20 UNF-2A
- Continuous Duty
- Thermally Protected
- 60°C Ambient
- Voltage Selection Device (Dual Voltage Only)
- Switchless Design
- 6.5" Diameter Frame
- Triple Bearing Protection
- Class B Insulated
- Sealed Ball Bearings
- **Discount Symbol: DS-FPS**

extreme E Premium Energy Efficient, Full Service Factor, Full Rated (Switch Design)

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)
1/2	1.98	3450	208-230/115	60	5.3-4.9/9.8	*ET3205	\$299	56Y	11.49	24
3/4	1.85	3450	208-230/115	60	7.0-6.2/12.4	ET3207	\$336	56Y	11.74	26
1	1.85	3450	208-230/115	60	8.5-7.4/14.8	ET3210	\$380	56Y	12.24	30
1 1/2	1.60	3450	208-230/115	60	11.2-10.2/20.4	ET3215	\$484	56Y	12.74	34
2	1.35	3450	208-230	60	11.8-11.0	ET3220	\$573	56Y	12.74	35

extreme E Standard Efficient, Low Service Factor, Up/Max Rated (50°C Ambient, Switchless Design)

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)
3/4	1.25	3450	230/115	60	5.4/10.8	*EB852	\$248	56Y	11.24	22
1	1.25	3450	230/115	60	7.0/14.0	EB853	\$282	56Y	11.74	25
1 1/2	1.10	3450	230/115	60	7.7/15.4	EB854	\$327	56Y	11.74	26
2	1.10	3450	230/115	60	10.8/21.6	EB859	\$423	56Y	12.99	33
2 1/2	1.04	3450	230	60	11.5	EB840	\$523	56Y	12.74	33
3	1.15	3450	208-230	60	14.8/13.5	EB844	\$620	56Y	13.49	40

*Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)

Catalog numbers are for competitive comparison purposes only

extreme E EXTREME E[®] represents our most efficient running, highest performing lines of motors.

† All marks shown within this document are properties of their respective owners.



C-Flange Pool & Spa Motors

Switchless Design, 6.5" Frame Diameter, Category "S" & "J"



FEATURES:

- Two Compartment
- Shaft Threads - 7/16-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- 1081 Design
- Continuous Duty
- Class B Insulated
- Open Dripproof
- Sealed Ball Bearings
- 303 Stainless Steel Shaft
- Thermally Protected
- 6.5" Diameter Frame
- Switchless Design
- Voltage Selection Device (Dual Voltage Only)
- **Discount Symbol: DS-FPS**

Standard Efficient, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)	Shaft
1/2	1.60	3450	230/115	60	4.4/8.8	*EB120	\$235	56C	10.27	21	Keyed
	1.60	3450	230/115	60	4.4/8.8	*EB126	\$241	56J	10.27	21	Threaded
3/4	1.50	3450	230/115	60	6.0/12.0	EB121	\$264	56C	10.77	24	Keyed
	1.50	3450	230/115	60	6.0/12.0	EB127	\$268	56J	10.77	24	Threaded
1	1.40	3450	230/115	60	7.0/14.0	EB122	\$302	56C	10.77	25	Keyed
	1.40	3450	230/115	60	7.0/14.0	EB128	\$307	56J	10.77	25	Threaded
1 1/2	1.30	3450	230/115	60	9.0/18.0	EB123	\$405	56C	12.02	31	Keyed
	1.30	3450	230/115	60	9.0/18.0	EB129	\$415	56J	12.02	31	Threaded
2	1.20	3450	230	60	10.5	EB124	\$489	56C	11.77	33	Keyed
	1.20	3450	230	60	10.5	EB130	\$497	56J	11.77	33	Threaded
3	1.15	3450	208-230	60	14.8/13.5	EB817	\$651	56C	12.52	39	Keyed
	1.15	3450	208-230	60	14.8/13.5	EB818	\$659	56J	12.52	39	Threaded
5	1.00	3450	208-230	60	21.0/19.4	EB819Δ	\$713	56J	14.27	51	Threaded

Standard Efficient, Low Service Factor, Up-Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)	Shaft
3/4	1.00	3450	230/115	60	4.4/8.8	*EB227	\$241	56J	10.27	21	Threaded
1	1.00	3450	230/115	60	6.0/12.0	*EB228	\$268	56J	10.77	24	Threaded
1 1/2	1.00	3450	230/115	60	7.0/14.0	EB229	\$307	56J	10.77	25	Threaded
2	1.00	3450	230/115	60	9.0/18.0	EB230	\$423	56J	12.02	31	Threaded
2 1/2	1.00	3450	230	60	10.5	EB231	\$497	56J	11.77	33	Threaded

STA-RITE®† Max-E-GLAS™ / DURA-GLAS™ Replacement Motor Base Available B357434490000L
 *Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)
 Δ 190 Volt Maximum Operating Voltage for 50 Hertz B14 flange, metric shaft
 NOTE: Toggle switch cover assembly available for two speed models - LO-OFF-HI-X297576970000L

Catalog numbers are for competitive comparison purposes only



EXTREME E® represents our most efficient running, highest performing lines of motors.

† All marks shown within this document are properties of their respective owners.



C-Flange Pool & Spa Motors

Switchless Design, 6.5" Frame Diameter, Category "S" & "J"



(continued)

Premium Energy Efficient, Full Service Factor, Full Rated (Suitable for 50 Hertz, 1.0 Service Factor)

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)	Shaft
1/2	1.60	3450	208-230/115	60	4.4/8.8	*EB656	\$303	56C	10.52	24	Keyed
	1.60	3450	208-230/115	60	4.4/8.8	*EB657	\$307	56J	10.52	24	Threaded
3/4	1.50	3450	208-230/115	60	6.0/12.0	EB634	\$333	56C	11.02	27	Keyed
	1.50	3450	208-230/115	60	6.0/12.0	EB638	\$337	56J	11.02	27	Threaded
1	1.40	3450	208-230/115	60	7.0/14.0	EB653	\$370	56C	11.02	29	Keyed
	1.40	3450	208-230/115	60	7.0/14.0	EB654	\$374	56J	11.02	29	Threaded
1 1/2	1.30	3450	208-230/115	60	9.0/18.0	EB795	\$410	56C	12.02	35	Keyed
	1.30	3450	208-230/115	60	9.0/18.0	EB796	\$428	56J	12.02	35	Threaded
2	1.20	3450	208-230	60	10.5	EB808	\$492	56C	12.02	34	Keyed
	1.20	3450	208-230	60	10.5	EB809	\$501	56J	12.02	34	Threaded
3	1.15	3450	208-230	60	14.8/13.5	EB817	\$651	56C	12.52	39	Keyed
	1.15	3450	208-230	60	14.8/13.5	EB818	\$659	56J	12.52	39	Threaded
5	1.00	3450	208-230	60	21.0/19.4	EB819Δ	\$713	56J	14.27	51	Threaded

Two Speed, Full Service, Full Rated, Soft Start

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)	Shaft
3/4 / 1/10	1.50	3450/1725	115	60	11.2/5.0	*EB972	\$428	56C	11.02	28	Keyed
	1.50	3450/1725	115	60	11.2/5.0	*EB973	\$433	56J	11.02	28	Threaded
	1.50	3450/1725	230	60	5.8/2.3	*EB972H	\$433	56C	11.02	28	Keyed
	1.50	3450/1725	230	60	5.8/2.3	*EB973H	\$438	56J	11.02	28	Threaded
1 / 1/8	1.40	3450/1725	230	60	6.8/2.8	*EB974	\$455	56C	11.27	32	Keyed
	1.40	3450/1725	230	60	6.8/2.8	*EB975	\$460	56J	11.27	32	Threaded
1.5 / 0.188	1.30	3450/1725	230	60	9.4/3.0	*EB976	\$522	56C	11.77	40	Keyed
	1.30	3450/1725	230	60	9.4/3.0	*EB977	\$527	56J	11.77	40	Threaded
2 / 1/4	1.20	3450/1725	230	60	10.8/3.6	*EB978	\$714	56C	12.02	45	Keyed
	1.20	3450/1725	230	60	10.8/3.6	*EB979	\$718	56J	12.02	45	Threaded
3 / 3/8	1.15	3450/1725	230	60	13.8/4.0	*EB966	\$898	56J	12.52	49	Threaded

STA-RITE® Max-E-GLAS™ / DURA-GLAS™ Replacement Motor Base Available B357434490000L
 *Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)
 Δ 190 Volt Maximum Operating Voltage for 50 Hertz B14 flange, metric shaft
 NOTE: Toggle switch cover assembly available for two speed models - LO-OFF-HI-X297576970000L

Catalog numbers are for competitive comparison purposes only



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HAYWARD® NORTHSTAR Replacement™ C-Flange Switchless Design, 6.5" Frame Diameter, Threaded Shaft; Category "N"



FEATURES:

- Two Compartment
- Triple Bearing Protection
- Thermally Protected
- 1081 Design
- Shaft Threads - 7/16-20 UNF-2A
- Class B Insulated
- Open Dripproof
- Continuous Duty
- 65°C Ambient
- 6.5" Diameter Frame
- 303 Stainless Steel Shaft
- Sealed Ball Bearings
- Voltage Selection Device (Dual Voltage Only)
- **Discount Symbol: DS-FPS**

extreme E Premium Energy Efficient, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4	1.85	3450	208-230/115	60	6.0-5.5/11.0	ESN1072	\$357	56J	11.02	27
1	1.85	3450	208-230/115	60	8.5-7.8/15.6	ESN1102	\$396	56J	11.27	30
1 1/2	1.60	3450	208-230/115	60	11.0-10.2/20.4	ESN1152	\$454	56J	11.77	33
2	1.35	3450	208-230	60	13.0-11.8	ESN1202	\$531	56J	11.77	35
3	1.60	3450	208-230	60	20.6-19.0	ESN1302	\$796	56J	14.02	47

extreme E Premium Energy Efficient, Low Service Factor, Up/Max Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1	1.40	3450	208-230/115	60	6.0-5.5/11.0	EUSN1102	\$357	56J	11.02	27
1 1/2	1.25	3450	208-230/115	60	8.5-7.8/15.6	EUSN1152	\$396	56J	11.27	30
2	1.20	3450	208-230/115	60	11.0-10.2/20.4	EUSN1202	\$454	56J	11.77	33
2 1/2	1.10	3450	208-230	60	13.0-11.8	EUSN1252	\$531	56J	11.77	35
3	1.20	3450	208-230	60	16.0-14.8	EUSN1302	\$763	56J	12.52	41

Catalog numbers are for competitive comparison purposes only.

extreme E EXTREME E® represents our most efficient running, highest performing lines of motors.

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Square Flange Pool & Spa Motors

Switchless Design, 5.5" Frame Diameter: Category "S"



FEATURES:

- Two Compartment
- Triple Bearing Protection
- Thermally Protected
- 1081 Design
- Shaft Threads - 7/16-20 UNF-2A
- Class B Insulated
- Open Dripproof
- Continuous Duty
- 50°C Ambient
- Sealed Ball Bearings
- 303 Stainless Steel Shaft
- Voltage Selection Device (Dual Voltage Only)
- **Discount Symbol: DS-FPS**

Standard Efficient, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.95	3450	230/115	60	5.9/11.8	ESQ1052	\$243	48Y	11.03	22
3/4	1.65	3450	230/115	60	7.5/15.0	ESQ1072	\$276	48Y	11.78	25
1	1.65	3450	230/115	60	8.5/17.0	ESQ1102	\$321	48Y	12.28	26
1 1/2	1.50	3450	230/115	60	9.7/19.4	ESQ1152▲	\$415	48Y	12.53	33
2	1.30	3450	230	60	10.4	ESQ1202▲	\$513	48Y	12.78	33

Standard Efficient, Low Service Factor, Up-Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.30	3450	230/115	60	4.9/9.8	EUSQ1052	\$232	48Y	10.78	19
3/4	1.27	3450	230/115	60	5.9/11.8	EUSQ1072	\$243	48Y	11.03	21
1	1.25	3450	230/115	60	7.5/15.0	EUSQ1102	\$276	48Y	11.78	24
1 1/2	1.10	3450	230/115	60	8.5/17.0	EUSQ1152	\$321	48Y	12.28	26
2	1.10	3450	230/115	60	9.7/19.4	EUSQ1202▲	\$415	48Y	12.53	29
2 1/2	1.04	3450	230	60	10.4	EUSQ1252▲	\$513	48Y	12.78	31

High Efficiency, Full Service Factor, Full Rated, Switch Design

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.90	3450	230/115	60	4.37/9.4	*EQC1052▲	\$292	48Y	10.78	21
3/4	1.65	3450	230/115	60	6.3/12.6	EQC1072▲	\$321	48Y	11.28	23
1	1.65	3450	230/115	60	7.8/15.6	EQC1102▲	\$348	48Y	11.78	26

High Efficient, Low Service Factor, Up-Rated, Switch Design

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4	1.27	3450	230/115	60	4.7/9.4	*EUQC1072▲	\$292	48Y	10.78	21
1	1.25	3450	230/115	60	6.3/12.6	EUQC1102▲	\$321	48Y	11.28	23
1 1/2	1.10	3450	230/115	60	7.8/15.6	EUQC1152▲	\$348	48Y	11.78	26

STA-RITE® Max-E-GLAS™ / DURA-GLAS™ Replacement Motor Base Available B357434490000L
 * Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)
 NOTE: Toggle switch cover assembly available for two speed models - LO-OFF-HI- X2975769700000L
 ▲ High Efficiency, Capacitor Start/Run Design

Catalog numbers are for competitive comparison purposes only

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C-Flange Pool & Spa Motors Switchless Design, 5.5" Diameter, Threaded Shaft: Category "J"



FEATURES:

- Two Compartment
- Triple Bearing Protection
- Thermally Protected
- 1081 Design
- Shaft Threads - 7/16-20 UNF-2A
- Class B Insulated
- Open Dripproof
- Continuous Duty
- 50°C Ambient
- 303 Stainless Steel Shaft
- Sealed Ball Bearings
- Voltage Selection Device (Dual Voltage Only)
- Discount Symbol: DS-FPS

Standard Efficient, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.60	3450	230/115	60	5.0/10.0	EST1052	\$236	56J	9.34	19
3/4	1.50	3450	230/115	60	6.8/13.6	EST1072	\$263	56J	10.09	22
1	1.50	3450	230/115	60	7.8/15.6	EST1102	\$301	56J	10.59	24
1 1/2	1.30	3450	230/115	60	8.4/16.8	EST1152▲	\$415	56J	10.84	27
2	1.30	3450	230	60	10.0	EST1202▲	\$487	56J	11.09	29

Standard Efficient, Low Service Factor, Up Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4	1.00	3450	230/115	60	5.0/10.0	EUST1072	\$236	56J	9.34	19
1	1.00	3450	230/115	60	6.8/13.6	EUST1102	\$263	56J	10.09	22
1 1/2	1.00	3450	230/115	60	7.8/15.6	EUST1152	\$301	56J	10.59	24
2	1.00	3450	230/115	60	8.4/16.8	EUST1202▲	\$415	56J	10.84	27
2 1/2	1.00	3450	230	60	10.0	EUST1252▲	\$487	56J	11.09	29

High Efficiency Design, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.60	3450	230/115	60	4.0/8.0	*ECT1052▲	\$292	56J	9.34	20
3/4	1.50	3450	230/115	60	5.5/11.0	ECT1072▲	\$321	56J	9.84	22
1	1.40	3450	230/115	60	7.0/14.0	ECT1102▲	\$348	56J	10.34	25

*Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)

▲ High Efficiency, Capacitor Start/Run Design

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Pool Cleaner Replacement Motors

Switchless Design, 6.5" Diameter: Category "P"



FEATURES:

- Two Compartment
- Shaft Threads – 7/16-20 UNF-2A
- 50°C Ambient
- Triple Bearing Protection
- 1081 Design
- Continuous Duty
- Voltage Selection Device
- Class B Insulated
- Open Dripproof
- Sealed Ball Bearings
- Switchless Design
- 303 Stainless Steel Shaft
- Thermally Protected
- 6.5" Diameter Frame
- **Discount Symbol: DS-FPS**

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Replacement Brand
3/4	1.50	3450	230/115	60	6.3/12.6	EB625	\$305	56CZ	10.8	28	Polaris ^{®†}
	1.50	3450	230/115	60	6.0/12.0	EB668	\$305	56CZ	10.8	24	Letro ^{®†} /Pentair ^{®†}

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Three Phase Pool & Spa Motors

FEATURES:

- Single Compartment
- Sealed Ball Bearings
- Triple Bearing Protection
- Open Dripproof
- Class B Insulated
- 303 Stainless Steel Shaft
- Continuous Duty
- 50°C Ambient
- Rated for 50 Hertz, 1.0 Service Factor
- **Discount Symbol: DS-FPS**

Square Flange, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Shaft
1/2	1.90	3450	208-230/460	60	2.9-2.6/1.3	*EH491	\$312	56Y	10.27	23	Threaded
3/4	1.65	3450	208-230/460	60	4.1-3.8/1.9	*EH492	\$343	56Y	10.27	23	Threaded
1	1.65	3450	208-230/460	60	4.8-4.6/2.3	*EH635	\$383	56Y	10.27	25	Threaded
1 1/2	1.47	3450	208-230/460	60	6.4-6.2/3.1	*EH636	\$486	56Y	10.52	28	Threaded
2	1.30	3450	208-230/460	60	7.0-6.6/3.3	*EH637	\$589	56Y	11.02	33	Threaded
3	1.15	3450	208-230/460	60	9.6-9.4/4.7	*EH755	\$638	56Y	12.04	41	Threaded

C-Flange, Keyed & Threaded Shaft, Full Service Factor, Full Rated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Shaft
3/4	1.50	3450	208-230/460	60	3.7-3.6/1.8	*EH450	\$299	56C	9.07	22	Keyed
	1.50	3450	208-230/460	60	3.7-3.6/1.8	*EH451	\$326	56J	9.07	22	Threaded
1	1.40	3450	208-230/460	60	4.4-4.2/2.1	*EH513	\$339	56C	9.07	24	Keyed
	1.40	3450	208-230/460	60	4.4-4.2/2.1	*EH514	\$370	56J	9.07	24	Threaded
1 1/2	1.30	3450	208-230/460	60	6.0-5.8/2.9	*EH616	\$441	56C	9.31	27	Keyed
	1.30	3450	208-230/460	60	6.0-5.8/2.9	*EH617	\$477	56J	9.31	27	Threaded
2	1.20	3450	208-230/460	60	6.6-6.4/3.2	*EH704	\$482	56C	9.82	32	Keyed
	1.20	3450	208-230/460	60	6.6-6.4/3.2	*EH705	\$544	56J	9.82	32	Threaded
3	1.15	3450	208-230/460	60	9.6-9.4/4.7	*EH740	\$602	56C	10.82	40	Keyed
	1.15	3450	208-230/460	60	9.6-9.4/4.7	*EH741	\$655	56J	10.82	40	Threaded

STA-RITE® Max-E-GLAS™ / DURA-GLAS™ Replacement Motor Base Available B3574344900000L
 *Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)

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Thru-Bolt Pool & Spa 6.5" Frame Diameter



FEATURES:

- Open Dripproof
- Thru-Bolt Mount
- Class F Insulated
- Class B Temperature Rise
- 1081 & 1563 Design
- Sealed Ball Bearing
- Rigid Base
- Thermally Protected
- 60°C Ambient
- 3 O'clock Conduit
- Premium Energy Efficient Design
- Shaft Thread - 3/8-16 UNC-2A
- **Discount Symbol: DS-FPS**

extreme-E Premium Energy Efficient, Single Speed, Switchless Design

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Notes
1 1/2	1.00	3450	230/115	60	8.8/17.5	TS602	\$300	56Y	9.58	28	60
2	1.00	3450	230	60	10.0	TS603	\$330	56Y	9.58	31	
2 1/2	1.00	3450	230	60	11.0	TS604	\$390	56Y	9.58	32	
3	1.00	3450	230	60	12.0	TS605	\$454	56Y	10.08	35	
4	1.00	3450	230	60	16.4	TS606	\$518	56Y	10.58	39	
5	1.00	3450	230	60	19.5	TS607	\$595	56Y	12.58	50	

extreme-E Premium Energy Efficient, Two Speed, Soft Start

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Notes
1.5 / 0.188	1.00	3450/1725	230	60	8.0/3.0	*TT502	\$329	56Y	9.58	31	
2 / 1/4	1.00	3450/1725	230	60	10.0/3.5	*TT503	\$409	56Y	10.08	35	
2 1/2 / 1/3	1.00	3450/1725	230	60	11.0/3.8	*TT504	\$455	56Y	10.33	38	
3 / 3/8	1.00	3450/1725	230	60	12.0/4.4	*TT505	\$504	56Y	10.83	41	
4 / 1/2	1.00	3450/1725	230	60	16.4/4.8	*TT506	\$595	56Y	11.58	45	
5 / 5/8	1.00	3450/1725	230	60	19.5/5.0	*TT507	\$640	56Y	12.08	48	

*Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)

Note 60 Capacitor Start
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† All marks shown within this document are properties of their respective owners.



Thru-Bolt Pool & Spa Motors 5.5" Frame Diameter

FEATURES:

- Open Dripproof
- Thru-Bolt Mount
- Class F Insulated
- 1081, 1563 & 1975 Design
- Rigid Base
- Continuous Duty
- 3 O'Clock Conduit
- Shaft Thread - 3/8-16 UNC-2A RH
- Thermally Protected
- 3 1/2" Shaft Height
- Single Speed Switch Kit Available (X297271290000L)
- Two Speed Switch Kit Available (X297270660000L)
- **Discount Symbol: DS-FPS**

Single Speed

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Notes
1/2	1.00	3450	115	60	7.5	AGL50FL1	\$182	48Y	7.8	15	P2,78
3/4	1.00	3450	115	60	10.0	AGL75FL1	\$194	48Y	7.8	17	P2,78
	1.00	3450	230	60	5.0	AGH75FL1	\$201	48Y	7.8	17	P2,78
1	1.00	3450	115	60	6.0	AGH10FL1	\$223	48Y	8.4	22	P2,78
	1.00	3450	115	60	12.0	AGL10FL1	\$214	48Y	8.4	22	P2,78
1 1/2	1.00	3450	230/115	60	15.4/7.7	AGD15FL1	\$252	48Y	8.9	25	P2,78
2	1.00	3450	230	60	8.7	SPH20FL1	\$317	48Y	10.2	28	34
	1.00	3450	230	60	10.5	SPH20FLC1	\$303	48Y	10.2	27	P4
2 1/2	1.00	3450	230	60	10.0	SPH25FL1	\$357	48Y	10.2	31	34
3	1.00	3450	230	60	12.0	SPH30FL1	\$441	48Y	10.2	31	34

Two Speed, Soft Start

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Notes
0.5/0.06	1.00	3450/1725	115	60	6.4/2.8	AGL50FL2	\$232	48Y	7.8	17	P2,39,78
3/4 / 1/10	1.00	3450/1725	115	60	9.8/3.2	AGL75FL2	\$252	48Y	7.8	20	P2,39,78
1 / 1/8	1.00	3450/1725	115	60	10.3/3.8	AGL10FL2S	\$268	48Y	9.6	23	P2,39,78
	1.00	3450/1725	230	60	6.1/1.8	AGH10FL2	\$268	48Y	9.6	23	P2,39,78
1 1/2 / 1/8	1.00	3450/1725	115	60	16.4/4.4	AGL15FL2CS	\$357	48Y	10.2	26	P2
	1.00	3450/1725	115	60	13.6/3.6	SPL15FL2S	\$379	48Y	10.2	27	34,P4
	1.00	3450/1725	230	60	8.2/2.4	AGH15FL2CS	\$357	48Y	10.2	26	P2
2 / 1/4	1.00	3450/1725	230	60	10.5/3.0	*SPH20FL2CS	\$397	48Y	10.2	29	P4
	1.00	3450/1725	230	60	8.6/3.4	*SPH20FL2S	\$424	48Y	10.2	30	34,P4
2 1/2 / 1/4	1.00	3450/1725	230	60	11.0/3.3	*SPH25FL2S	\$428	48Y	10.2	32	34,P4
3 / 1/3	1.00	3450/1725	230	60	12.7/3.4	*SPH30FL2S	\$468	48Y	10.6	35	34,P4

Single Speed, Less Rigid Base

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Notes
1	1.00	3450	115	60	12.0	AGL10FL1NB	\$210	48Y	8.4	22	P2,78

Hoffinger® Replacement, Thru-Bolt Mount, Less Rigid Base, Class B Insulated

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs.)	Notes
1	1.00	3450	115	60	9.1	AGL10FL1H1	\$201	48Y	9.4	12	
	0.00	3450	115	60	10.0	AGL10FL1H2	\$201	48Y	9.6	12	
SPECIAL	1.00	3450	115	60	12.0	AGL15FL1H2	\$223	48Y	10.1	15	

Note 34 Capacitor Start /Capacitor Run (Extra low running amps)
 Note 39 High Speed Start
 Note 78 Class B Insulation
 Note P2 416 Stainless Steel Extension
 Note P4 1563 & 1795 Design Only

*Meets California Energy Commission Appliance Regulations 2008 (Publication Number CEC-400-2006-002-REV1)
 STA-RITE®† Max-E-GLAS™ / DURA-GLAS™ Replacement Motor Base Available B357434490000L
 Catalog numbers are for competitive comparison purposes only

† All marks shown within this document are properties of their respective owners.



Thru-Bolt Pool & Spa Motors

5.5" Frame Diameter

FEATURES:

- Open Dripproof
- Thru Bolt Mount
- Class B Insulated
- Rigid Base
- 50°C Ambient
- 3 O'clock Conduit
- Single Speed Switch Kit Available (X2972712900000L)
- Thermally Protected
- 3 1/2" Shaft Height
- 1081, 1563 & 1795 Design
- Shaft Thread 3/8-16 UNC 2A RH
- Sealed Ball Bearings
- **Discount Symbol: DS-FPS**

Single Speed - Spa Circulator Pump Motors

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/15	1.00	1725	115	60	1.3	EV115	\$146	48Y	7.25	19.45
	1.00	1725	230	60	0.63	EV230	\$139	48Y	7.25	12.06

† All marks shown within this document are properties of their respective owners.



EZ48® Thru-Bolt Pool & Spa Motors

5.5" Frame Diameter



FEATURES:

- Open Dripproof
- Sealed Ball Bearings
- Class B Insulated
- 1081 Design
- 50°C Ambient
- 3 O'clock Conduit
- Rigid Base
- Thermally Protected
- 3-1/2" Shaft Height
- Shaft Thread - 3/8-16 UNC-2A RH
- 303 Stainless Steel Shaft
- **Discount Symbol: DS-FPS**

Single Speed - 1.5 Compartment

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
1/2	1.00	3450	115	60	7.5	EZBN23	\$182	48Y	8.7	15
3/4	1.00	3450	115	60	10.0	EZBN24	\$194	48Y	8.7	17
1	1.00	3450	115	60	12.0	EZBN25	\$214	48Y	9.3	22
1 1/2	1.00	3450	115	60	7.7/15.4	EZBV35	\$252	48Y	9.8	25
	1.00	3450	230/115	60	16.0	EZBN35	\$252	48Y	9.8	25

Two Speed - 1.5 Compartment

HP	SF	RPM	Voltage	Freq	SF Amps	Catalog Number	List	Motor Frame	Length Less Shaft	Ship Wt. (lbs)
3/4 / 1/10	1.00	3450/1725	115	60	9.8/3.2	EZBN36	\$252	48Y	8.7	17
1 / 1/8	1.00	3450/1725	115	60	12.2/3.8	EZBN37	\$268	48Y	9.2	22
1.5 / 0.188	1.00	3450/1725	115	60	16.0/4.8	EZBN50	\$357	48Y	11.6	25

Rocker Switch Cover Assembly available: Two Speed - LO-OFF-HI-X2975862300000L

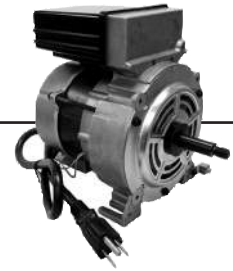
One Speed - ON-OFF-X2975862200000L

Catalog numbers are for competitive comparison purposes only.

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Jetted Tub Motor



FEATURES:

- Ball Bearings
- Thermally Protected
- 3 Foot #14 Cord with Standard Plug Provided
- Class F Insulated
- Shaft Thread 3/8 - 16 UNC-2A
- Includes Air Switch
- **Discount Symbol DS-FPS**

Catalog Number	List	HP	SF	Voltage	Freq	SF Amps	Motor Frame	Length	Notes
JT33	\$150	1/3	1.00	115	60	4.4	4.1"	7.7	Air Switch Included
JT75	\$155	3/4	1.00	115	60	7.0	4.1"	8.7	No Air Switch Included

Pool & Spa Motors - Close Coupled Pumps Pentair® EQ Series™ Replacement Pool Motors

FEATURES:

- Special JMZ Mounting
- 40°C Ambient
- Continuous Duty
- Class F Insulated
- Open Dripproof
- Permanently Lubricated Ball Bearings
- Rigid Base
- Black Paint
- Stainless Steel Ground Lug
- 303 Stainless Steel Shaft Extension

Premium Efficient, Full Service Factor, Full Rated

HP	Phase	RPM	Frame	Voltage	Catalog Number	List	SF	Full Load Eff	PF	Ship Wt. (lbs.)
5	1	3600	184JMZ	230	EEQ500	\$1,224	1.15	88.0	94	78
	3	3600	184JMZ	208-230/460	EEQK500	\$961	1.15	88.5	85.8	50
7 1/2	1	3600	213JMZ	230	EEQ750	\$2,449	1.15	87.0	92.3	70
	3	3600	184JMZ	208-230/460	EEQK750	\$1,109	1.15	88.5	87	60
10	3	3600	213JMZ	208-230/460	EEQK1000	\$1,468	1.15	90.2	79.2	90
15	3	3600	215JMZ	208-230/460	EEQK1500	\$1,635	1.15	91.0	82	105

† All marks shown within this document are properties of their respective owners.



Replacement Motor Cross Reference

Square Flange - Low Service Factors - Up - Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
EUSQ1052		1/2	1.30	230/115	USQ1052	B856		C1243
EUSQ1072	EB852	3/4	1.25	230/115	USQ1072	B852	54002	C1244
EUSQ1102	EB853	1	1.25	230/115	USQ1102	B853	54003	C1245
EUSQ1152	EB854	1.5	1.10	230/115	USQ1152	B854	54004	C1246
EUSQ1202	EB859	2	1.10	230/115	USQ1202	B859	18254	C1247
EUSQ1252	EB840	2.5	1.04	230	USQ1252	B840	13280	C1335

Square Flange - Full Rated Service Factors

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
ESQ1052	EB846	1/2	1.95	230/115	SQ1052	B846	14796	C1304
ESQ1072	EB847	3/4	1.65	230/115	SQ1072	B847	15815	C1305
ESQ1102	EB848	1	1.65	230/115	SQ1102	B848	12504	C1306
ESQ1152	EB858	1.5	1.50	230/115	SQ1152	B858	14728	C1307
ESQ1202	EB748	2	1.30	230	SQ1202	B748	10855	C1308
	EB844	3	1.15	208-230	SQ1302V1	B2844	16362	C1449
	EB850	5	1.00	208-230		B1000		

Square Flange - High Efficiency Design - Full Service Factor - Full Rated


5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
EQC1052	EB845	1/2	1.90	230/115	QC1052		11357	C1446
EQC1072	EB661	3/4	1.65	230/115	QC1072		16358	C1499
EQC1102	EB841	1	1.65	230/115	QC1102		16359	C1500

Square Flange - High Efficiency Design - Low Service Factor - Up Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
EUQC1072		3/4	1.27	230/115	UQC1072			
EUQC1102		1	1.25	230/115	UQC1102			
EUQC1152		1.5	1.10	230/115	UQC1152			

Square Flange - Premium Energy Efficient - Full Rated Service Factors

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB845	1/2	1.90	208-230/115	QC1052	B845	11357	C1446
	EB661	3/4	1.65	208-230/115	QC1072	B661/B2661	16358	C1499
	EB841	1	1.67	208-230/115	QC1102	B841	16359	C1500
	EB842	1.5	1.47	208-230/115	SQ1152	B842/ B2842	16360	C1307
	EB843	2	1.30	208-230	SQ1202	B843/ B2843	16361	C1308
	EB844	3	1.15	208-230	SQ1302V1	B2844	16362	C1449
	EB850	5	1.00	208-230		B1000		

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Replacement Motor Cross Reference

extreme-E Square Flange - Full Service Factors - Two Speed

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB980	3/4/.12	1.67	230	SQS1072R	B980	12071	C1310
	EB981	3/4/.12	1.67	115	SQL1072R	B981		C1450
	EB982	1/.16	1.65	230	SQS1102R	B982	12072	C1311
	EB983	1.5/.25	1.47	230	SQS1152R	B983	12073	C1312
	EB984	2/.33	1.30	230	SQS1202R	B984	12202	C1313

extreme-E Square Flange - Premium Efficient - Full Rate - Service Factor - Two Speed

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB2980	3/4/.12	1.67	230		B2980		
	EB2982	1/.16	1.65	230		B2982		
	EB2983	1.5/.25	1.47	230		B2983		
	EB2984	2.0/.33	1.30	230		B2984		

extreme-E Square Flange - Tristar™ Replacement - Full Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	ET3205	1/2	1.98	208-230/115				
	ET3207	3/4	1.85	208-230/115				
	ET3210	1	1.85	208-230/115				
	ET3215	1.5	1.60	208-230/115				
	ET3220	2	1.35	208-230				

Square Flange - Tristar™ Replacement - Up Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB852	3/4	1.25	230/115		B852		RB112
	EB853	1	1.25	230/115		B853		RB113
	EB854	1.5	1.10	230/115		B854		RB114
	EB859	2	1.10	230/115		B859		RB115
	EB840	2.5	1.04	230		B840		RB116
	EB844	3	1.15	208-230				

Square Flange - Full Service Factor - Full Rated - Three Phase

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EH491	1/2	1.90	208-230/460	Q3052	H491		K8012
	EH492	3/4	1.65	208-230/460	Q3072	H492		K8013
	EH635	1	1.65	208-230/460	Q3102	H635		K8014
	EH636	1.5	1.47	208-230/460	Q3152	H636		K8015
	EH637	2	1.30	208-230/460	Q3202	H637		K8016
	EH755	3	1.15	208-230/460	Q3302V1	H755		K8017

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Replacement Motor Cross Reference

C-Flange - Threaded Shaft - Low Service Factors - Up Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
EUST1072	EB227	3/4	1.00	230/115	UST1072	B227SE	54022	C1321
EUST1102	EB228	1	1.00	230/115	UST1102	B228SE	54023	C1318
EUST1152	EB229	1.5	1.00	230/115	UST1152	B229SE	54024	C1319
EUST1202	EB230	2	1.00	230/115	UST1202	B230SE	12018	C1320
EUST1252	EB231	2.5	1.00	230	UST1252	B231SE	12020	C1149

C-Flange - Keyed and Threaded - High Service Factors - Full Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB120	1/2	1.60	230/115	SK1052	B120	13883	C1093
EST1052	EB126	1/2	1.60	230/115	ST1052	B126	18330	C1098
	EB121	3/4	1.50	230/115	SK1072	B121	14663	C1094
EST1072	EB127	3/4	1.50	230/115	ST1072	B127	15443	C1099
	EB122	1	1.40	230/115	SK1102	B122	12718	C1095
EST1102	EB128	1	1.40	230/115	ST1102	B128	14542	C1100
	EB123	1.5	1.30	230/115	SK1152	B123	52006	C1096
EST1152	EB129	1.5	1.30	230/115	ST1152	B129	52011	C1101
	EB124	2	1.20	230	SK1202	B124	52077	C1097
EST1202	EB130	2	1.20	230	ST1202	B130	52012	C1102
	EB817	3	1.15	208-230	SK1302V1	B817		C1439
	EB818	3	1.00	208-230	ST1302V1	B818		C1440
	EB819	5	1.00	208-230				

C-Flange - High Efficiency Design - Full Service Factor - Full Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
ECT1052		1/2	1.60	230/115	CT1052		52008	C1486
ECT1072		3/4	1.50	230/115	CT1072		52009	C1437
ECT1102		1	1.40	230/115	CT1102		52010	C1488



C-Flange - Keyed and Threaded Shaft - Premium Energy Efficient - Full Rated Service Factors

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB656	1/2	1.60	208-230/115	CK1052	B656	52003	C1485
	EB657	1/2	1.60	208-230/115	CT1052	B657	52008	C1486
	EB634	3/4	1.50	208-230/115	CK1072	B634/B121	52004	C1436
	EB638	3/4	1.50	208-230/115	CT1072	B638	52009	C1437
	EB653	1	1.40	208-230/115	CK1102	B653	52005	C1487
	EB654	1	1.40	208-230/115	CT1102	B654	52010	C1488
	EB795	1.5	1.30	208-230/115	SK1152	B795	52006	C1096
	EB796	1.5	1.30	208-230/115	ST1152	B796	52011	C1101
	EB808	2	1.20	208-230	SK1202	B808	52077	C1097
	EB809	2	1.20	208-230	ST1202	B809	52012	C1102
	EB817	3	1.15	208-230	SK1302V1	B817	12109	C1439
	EB818	3	1.15	208-230	ST1302V1	B818	17458	C1440
	EB819	5	1.15	208-230				
	EB116	4	1.25	208-230		B116		



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Replacement Motor Cross Reference

extreme-E C-Flange - Keyed and Threaded Shaft - Full Rated Service Factors - TWO SPEED

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB972	3/4/.10	1.50	115		B972	17445	C1105
	EB972H	3/4/.10	1.50	230	SKS1072			
	EB973	3/4/.10	1.50	115	STL1072R	B973	13541	C1109
	EB973H	3/4/.10	1.50	230	STS1072RV1			C1110
	EB974	1/1.12	1.40	230	SKS1102	B974	16053	C1106
	EB975	1/1.12	1.40	230	STS1102RV1	B975	14962	C1111
	EB976	1.5/.18	1.30	230	SKS1152	B976	19078	C1107
	EB977	1.5/.18	1.30	230	STS1152R	B977	15940	C1112
	EB978	2/.25	1.30	230	SKS1202	B978	12712	C1442
	EB979	2/.25	1.30	230	STS1202R	B979	19315	C1443
	EB966	3/.38	1.15	230		B966		

extreme-E C-Flange - Hayward®† Northstar™ Replacement - Threaded Shaft - Full & Up/Max Rated

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	ESN1072	3/4	1.85	208-230/115		SN1072		
	EUSN1102	1	1.40	208-230/115		USN1102		
	ESN1102	1	1.85	208-230/115		SN1102		
	EUSN1152	1.5	1.25	208-230/115		USN1152		
	ESN1152	1.5	1.60	208-230/115		SN1152		
	EUSN1202	2	1.20	208-230/115		USN1202		
	ESN1202	2	1.35	208-230		SN1202		
	EUSN1302	3	1.20	208-230		USN1302		
	ESN1302	3	1.60	208-230		SN1302		

C-Flange - Keyed Shaft - Full Service Factors - Full Rated - Three Phase

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EH281	1/2	1.60	208-230/460		H281		K8000
	EH450	3/4	1.50	208-230/460		H450		K8002
	EH513	1	1.40	208-230/460		H513		K8004
	EH616	1.5	1.30	208-230/460		H616		K8006
	EH704	2	1.20	208-230/460		H704		K8008
	EH740	3	1.15	208-230/460		H740		K8010

C-Flange - Threaded Shaft - Full Service Factors - Full Rated - Three Phase

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EH282	1/2	1.60	208-230/460		H282		K8001
	EH451	3/4	1.50	208-230/460		H451		K8003
	EH514	1	1.40	208-230/460		H514		K8005
	EH617	1.5	1.30	208-230/460		H617		K8007
	EH705	2	1.20	208-230/460		H705		K8009
	EH741	3	1.15	208-230/460		H741		K8011

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Replacement Motor Cross Reference

Pool Cleaner - C-Face - Full Rated Service Factor

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	EB625	3/4	1.50	230/115	PL1072	B625		
	EB668	3/4	1.50	230/115		B668		

Thru Bolt - 56 Frame - Single Speed

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	TS605	3	1.00	230		B237		
	TS606	4	1.00	230		B238		

Thru Bolt - 56 Frame - Two Speed - Soft Start

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
	TT502	1.5/1.8	1.00	230		B233 / B2233 (new)		
	TT503	2.0/2.5	1.00	230		B234 / B2234 (new)		
	TT505	3.0/3.8	1.00	230		B235 / B2235 (new)		
	TT506	4.0/5.0	1.00	230		B236		

Thru Bolt - 48 Frame - Single Speed

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
AGL50FL1		1/2	1.00	115	CBT2052	BN23 / BN23V1 (new)	13719	
AGL75FL1		3/4	1.00	115	CBT2072	BN24 / BN24V1 (new)	18889	H909
AGH75FL1		3/4	1.00	230				
AGL10FL1		1	1.00	115	CBT2102	BN25 / BN25V1 (new)	16436	H910
AGH10FL1		1	1.00	230				
AGD15FL1		1.5	1.00	230/115	TBT1152D	BN35SS		C1901
SPH20FLC1		2	1.00	230		BN40 / BN40SS (new)		
SPH20FL1		2	1.00	230		186097 / BN40SS	17257	C1456
SPH25FL1		2.5	1.00	230				
SPH30FL1		3	1.00	230		BN41		

Thru Bolt - 48 Frame - Two Speed - Soft Start

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
AGL50FL2		1/2/0.6	1.00	115			18264	
AGL75FL2		3/4/1.0	1.00	115	CBS2072	BN36	12562	C1902
AGL10FL2S		1.0/1.2	1.00	115	CBS2102	BN37 / BN38 / BN37V1 (new)	15698/15700	C1903
AGL15FL2CS		1.5/1.8	1.00	115		BN50 / BN50V1 (new)		
SPL15FL2S		1.5/1.8	1.00	115		BN60	41000	
AGH15FL2CS		1.5/1.8	1.00	230		BN34 / BN34V1 (new)	41001	C1326
SPH20FL2CS		2.0/2.5	1.00	230		BN51		
SPH20FL2S		2.0/2.5	1.00	230		BN61	17525	C1327
SPH25FL2S		2.5/3.3	1.00	230				
SPH30FL2S		3.0/3.8	1.00	230		BN62	42005	



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Replacement Motor Cross Reference

Above Ground Pool - 48 Frame - Single Speed (Thru bolt less base)

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
AGL75FL1NB		3/4	1.00	115				
AGL10FL1NB		1.0	1.00	115				

Above Ground Pool - 48 Frame - Single Speed - 50Hz - CE Certified

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
AGH10FL150		1.0	1.00	220-240		BN33		

Above Ground Pool - EZ48 Frame - Single Speed - 60Hz - 1.5 Compartment

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
EZBN23		1/2	1.00	115	CBT2052	BN23 / BN23V1 (new)		
EZBN24		3/4	1.00	115	CBT2072	BN24 / BN24V1 (new)		
EZBN25		1.0	1.00	115	CBT2102	BN25 / BN25V1 (new)		
EZBV35		1.5	1.00	115		BV35 / BV35V1 (new)		
EZBN35		1.5	1.00	230/115	TBT1152D	BN35/BN35SS		

Above Ground Pool - EZ48 Frame - Two Speed - 60Hz - 1.5 Compartment

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
EZBN36		3/4/.10	1.00	115	CBS2072	BN36		
EZBN37		1.0/.12	1.00	115	CBS2102	BN37 / BN37V1 (new)		
EZBN50		1.5/.18	1.00	115	TBS1152SV1	BN50 / BN50V1 (new)		

Above Ground Pool - Hoffinger Replacement

5.5 Diameter Catalog Number	56™ Catalog Number	HP	SF	Voltage	A.O. Smith Cat. No.	A.O. Smith Century Cat. No.	Franklin Cat. No.	Marathon Cat. No.
AGL10FL1H1		1	1.00	115	ODB1102V1	BV91		
AGL10FL1H2		1	1.00	115	ODB1102	BV90		H911
AGL15FL1H2		SPL	1.00	115				

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Replacement Motor Cross Reference

Variable Speed - 56 Frame - Integrated Timer - Title 20 Compliant

Square Flange

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
EVSS3	N/A	56Y	1/2 thru 3 HP	1.15	230
EVSS15-NS	N/A	56-1	1/2 thru 1/5 HP	1.5	230

C-Face

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
EVSJ3	N/A	56J	1/2 thru 3 HP	1.15	230
EVSJ15-NS	N/A	56J	1/2 then	1.5	230

Two Speed with Integrated Timer - 56 Frame - Title 20 Compliant

Square Flange - Two Speed with Integrated Timer - High Efficient - Full Service Factor - Full Rated

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
EB2980T	N/A	56Y	3/4 / .10	1.67	230
EB2982T	N/A	56Y	1.0 / .12	1.65	230
EB2983T	N/A	56Y	1.5 / .20	1.47	230
EB2984T	N/A	56Y	2.0 / .25	1.3	230

C-Face - Two Speed with Integrated Timer - High Efficient - Full Service Factor - Full Rated

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
EB2973HT	N/A	56J	3/4 / .10	1.5	230
EB2975T	N/A	56J	1.0 / .12	1.4	230
EB2977T	N/A	56J	1.5 / .20	1.3	230
EB2979T	N/A	56J	2.0 / .25	1.2	230

Two Speed Motor Only - 56 Frame - Title 20 Compliant

Square Flange - Two Speed - High Efficient - Full Service Factor - Full Rated

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
EB2980	B2980	56Y	3/4 / .10	1.67	230
EB2982	B2982	56Y	1.0 / .12	1.65	230
EB2983	B2983	56Y	1.5 / .20	1.47	230
EB2984	B2984	56Y	2.0 / .25	1.3	230

C-Face - Two Speed - High Efficient - Full Service Factor - Full Rated

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
EB2973H		56J	3/4 / .10	1.5	230
EB2975		56J	1.0 / .12	1.4	230
EB2977		56J	1.5 / .20	1.3	230
EB2979	B2979	56J	2.0 / .25	1.2	230



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Replacement Motor Cross Reference

Totally Enclosed Fan Cooled

Square Flange - Totally Enclosed Fan Cooled - Premium Efficient - Full Service Factor - Full Rated

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
ETE638	N/A	56J	3/4	1.50	208-230/115
ETE654	N/A	56J	1	1.40	208-230/115
ETE796	N/A	56J	1.5	1.30	208-230/115
ETE809	N/A	56J	2	1.20	208-230

C-Face - Totally Enclosed Fan Cooled - Premium Efficient - Full Service Factor - Full Rated

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
ETE661	N/A	56Y	3/4	1.67	208-230/115
ETE841	N/A	56Y	1	1.65	208-230/115
ETE842	N/A	56Y	1.5	1.47	208-230/115
ETE843	N/A	56Y	2	1.30	208-230

Pentair®† EQ Pump Series™ Replacement Pool Motors

Close Coupled Pump - Premium Efficient - Full Service Factor - Full Rated

Catalog Number	AOS / Century Stock No.	Mounting	HP	SF	Voltage
EEQK500	N/A	182JMZ	5	1.15	208-230/460
EEQK750	N/A	184JMZ	7.5	1.15	208-230/460
EEQK1000	N/A	213JMZ	10	1.15	208-230/460
EEQK1500	N/A	215JMZ	15	1.15	208-230/460
EEQ500	N/A	184JMZ	5	1.15	230
EEQ750	N/A	213JMZ	7.5	1.15	230



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Residential Water System Pump Motors



For use on jet pumps, booster pumps, lawn sprinkler pumps, and other centrifugal pump applications.

Horsepower: 1/2 – 3 HP

Phase: Single Phase

Torque: Capacitor Start electrical designs utilized for superior torque even in the most difficult starting conditions

Voltage Selector Switch: Easy to use voltage selector switch for confidence in field wiring (Found on motors with catalog numbers ending in “-2V” and “UPR”)

Mounting Options: NEMA[†] 56J, and Square Flange. The Square Flange mounting face incorporates a five-point surface, which supplies extra pump support

Enclosure: Open Dripproof (ODP)

Compartments: Two-Compartment constructions

Bearings: All Ball Bearing construction. Double Shielded ball bearings on both motor ends

Ease of Impeller Assembly or Removal: Conveniently accessible shaft flats or screw driver slots to hold onto the motor shaft

Shaft Extensions: Corrosion-resistant 303 stainless steel shaft extensions on U.S. MOTORS[®] brand two-compartment construction motors.

Agency: UL^{®†} Recognized and CSA^{®†} Certified



Water Systems Products

Improved technology and compact design advances field-friendly features to a new level.

- New stamped steel dome cover with captive fasteners
- Easy to access shaft flats to hold shaft during pump assembly and disassembly
- New angled surface terminal board for greater top-down visibility. The terminals are aligned properly with the conduit opening
- One of the industry's most convenient voltage selection devices



[†] All marks shown within this document are properties of their respective owners.

Special Application Single Phase, Open Dripproof (ODP) Jet Pump, Square Flange & C-Face Capacitor Start



APPLICATIONS:

For jet pumps, booster pumps, centrifugal pumps, lawn sprinkler pumps.

FEATURES:

- 303 Stainless Steel Shaft
- C-Face: 7/16-20 UNF2A Thread
- Square Flange: 1/2-20 UNC-2A Thread
- Ball Bearings (Locked Drive End Bearing)
- Continuous Duty
- 60 Hertz
- EZ-Access™ Motor Cover
- 40°C Ambient
- Automatic Reset Thermal Overload Protector
- Round Frame (Without Base), NEMA® 56C C-Face or Square Flange Mounting
- Power Leads Supplied For Proper Connection To Pressure Switch
- Voltage Selector Switch (Catalog Numbers Ending With "-2V" and "UPR")

C-Face, Two Compartment Product, EZ-Access™ Motors

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/230	56J	*JJ0502-2V	\$234	DS-3FJP	1.60	13.0	25	9.6/4.8	
3/4	3600	115/230	56J	*JJ0752-2V	\$272	DS-3FJP	1.50	13.8	22	12.8/6.4	
1	3600	115/230	56J	*JJ1002-2V	\$313	DS-3FJP	1.40	14.0	23	13.4/6.7	
1 1/2	3600	115/230	56J	*JJ1502-2	\$350	DS-3FJP	1.30	14.5	27	14.0/7.0	18
2	3600	230	56J	*JJ2002-2	\$400	DS-3FJP	1.20	14.5	27	8.6	18

Square Flange, Two Compartment Product, EZ-Access™ Motors

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/2	3600	115/230	48Y	JS0502-2V	\$239	DS-3FJP	1.90	11.7	19	8.4/4.2	
3/4	3600	115/230	56YZ	*JS075UPR	\$239	DS-3FJP	1.27	12.7	20	12.4/6.2	
	3600	230/115	48Y	JS0752-2V	\$277	DS-3FJP	1.65	13.0	19	5.8/11.6	
1	3600	115/230	48Y	*JS100UPR	\$277	DS-3FJP	1.25	13.0	23	12.4/6.2	
	3600	115/230	56YZ	JS1002-2V	\$319	DS-3FJP	1.65	13.0	23	13.6/6.8	
1 1/2	3600	115/230	48Y	JS1502-2V	\$362	DS-3FJP	1.50	13.5	27	14.8/7.4	18
2	3600	230	56YZ	JS2002-2	\$415	DS-3FJP	1.30	13.5	28	8.6	18

* Motors meet UL® 778 Approvable Design for Water Protection Specifications

Note 18 Incorporates Run Capacitor

† All marks shown within this document are properties of their respective owners.



Elevator and Gate & Door Motors



Submersible and Dry Hydraulic Elevator Motors

- Horsepower:** 3 through 125 HP
- Frame Sizes:** 90 through 404T
- Phase:** Three Phase
- RPM:** 3600 or 1800 RPM
- Voltage:** 200, 208-230/460, 230/460, 460, 575
- Enclosure:** Open Dripproof (ODP) on Dry Hydro
- Service Factor:** 1.00 SF or greater
- Insulation:** Class B or F Insulation
- Efficiency:** Standard Efficient
- Nameplate:** "CE" Mark on nameplate on Dry Hydro (180 Frame or larger)
- Agency:** UL[†] Recognized and CSA[†] Certified



Commercial Gate and Door Motors

- Horsepower:** 1/3 through 1 HP
- Phase:** Single and Three Phase
- RPM:** Single Speed 1725 RPM, Two Speed 1625/1325 RPM
- Voltage:**
 - Three Phase, 208/230-460
 - Single Phase, 115/208-230
 - Gate: Single Phase, Two Speed, 115 only
- Enclosure:**
 - Totally Enclosed Fan Cooled (TEFC) Three Phase
 - Open Dripproof (ODP) Single Phase
- Construction:** Rolled steel frame
- Mounting:**
 - Rigid Mount
 - Resilient Mount
 - C-Face Mount
- Bearings:** Permanently lubricated ball bearings



[†] All marks shown within this document are properties of their respective owners.

Special Application Single & Three Phase Submersible Elevator Motors with L19 Flange and 19mm Shaft



APPLICATIONS:

For use in low rise buildings using ALLWEILER^{®†} submersible pumps.

FEATURES:

- Single Ball Bearing Design to fit ALLWEILER^{®†} SFDR/A SUB20/40/80
- Intermittent Duty Rated For 80 Starts Per Hour
- Oil Temperature of 60°C (140°F) / Viscosity Up To 70cSt
- Class F Insulation
- 1.0 Service Factor
- Thermal Protection Fitted (PTO Thermostats)
- CSA^{®†} Certified and UL^{®†} Component Recognized
- 10 HP Wye-Delta Start, Others Across-The-Line Start
- Double Vacuum Pressure Impregnation
- Flying Leads : Length 49"
- Two Nameplates
- Permanent Capacitors For Single Phase Motors Sold Separately*

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	Phase	"C" Dim. (mm)	Ship Wt. (lbs)	Full Load Amps	Notes
3	1800	208-230/460	90	E3S2A3	\$1,292	DS-3ID	3	234.0	37	9.3-9.6/4.8	
	1800	220	90	E3A2Z3	\$1,163	DS-3ID	1	234.0	37	11	
5	1800	208-230/460	112	E5S2A3	\$1,395	DS-3ID	3	282.0	77	30.4-30.0/17.5	
	1800	220	112	E5A2Z3	\$1,460	DS-3ID	1	282.0	35	47.5	
10	3600	208-230/460	114	E10S1A3	\$1,770	DS-3ID	3	293.0	80	15.0-14.2/7.1	
	3600	220	114	E10A1Z3	\$2,307	DS-3ID	1	293.0	80	21	

*Capacitor Information

Catalog Number	Capacitor Requirement
E3A2Z3	Cp 50µF / 370V
E5A2Z3	Cp 80µF / 400V
E10A1Z3	Cp 200µF / 400V

† All marks shown within this document are properties of their respective owners.



Special Application Three Phase Submersible Elevator Motors Z-Flange & L32 Flange



APPLICATIONS:

Z-Flanged motors are suitable for use in elevators in low rise buildings using ALLWEILER® pumps (SUB 140, 210 & 280) or IMO pumps (3SIC-187, 3SIC-200, 3SIC-218, 3SIC-250 & 4SIC-275). L32 Flanged motors for ALLWEILER® pumps (SUA 140, 210, 280 & 440). Compatibility current at time of publication.

FEATURES:

- Class F Insulation
- Zinc Plated Frame, 32 MM Shaft, Lifting Provisions On Brackets
- Stainless Steel Nameplate On Motor & Mylar For Wall Mount
- 70°C Thermostat Located On Motor Frame
- Single Ball Bearing Design To Fit Most ALLWEILER® & IMO Sub. Pumps
- 112" External Leads (Butt Splices At Approx. 12" & 47" From Housing)
- Suitable for Wye-Delta Starting
- Intermittent Duty (Rated 80 Starts/Hour In 50°C Oil or 120 Starts/Hour In 40°C Oil)
- CSA®† Certified (#LR39413) & UL® Component Recognized (#E51488)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
15	3600	200	160ZBS	EZ15S1HZ	\$1,739	DS-3IM	1.00	14.1	101	52	Z
	3600	230/460	160ZBS	EZ15S1BZ	\$1,739	DS-3IM	1.00	14.1	101	45.2/22.6	Z
	3600	575	160ZBS	EZ15S1GZ	\$1,739	DS-3IM	1.00	14.1	101	18.1	Z
20	3600	575	160LCS	E20S1GZ	\$1,780	DS-3IM	1.00	14.1	113	24.6	L32
	3600	200	160ZBS	EZ20S1HZ	\$1,780	DS-3IM	1.00	14.1	102	72	Z
	3600	230/460	160ZBS	EZ20S1BZ	\$1,780	DS-3IM	1.00	14.1	100	62/31	Z
	3600	575	160ZBS	EZ20S1GZ	\$1,780	DS-3IM	1.00	14.1	110	24.6	Z
25	3600	200	160ZBS	EZ25S1HZ	\$1,912	DS-3IM	1.00	14.1	100	82	Z
	3600	230/460	160ZBS	EZ25S1BZ	\$1,912	DS-3IM	1.00	14.1	132	70/35	Z
	3600	575	160ZBS	EZ25S1GZ	\$1,912	DS-3IM	1.00	14.1	108	28.3	Z
30	3600	230/460	160LCS	E30S1BZ	\$2,144	DS-3IM	1.00	14.1	114	86.0/43.0	L32
	3600	200	160ZBS	EZ30S1HZ	\$2,144	DS-3IM	1.00	14.1	115	100	Z
	3600	230/460	160ZBS	EZ30S1BZ	\$2,144	DS-3IM	1.00	14.1	111	84/42	Z
	3600	575	160ZBS	EZ30S1GZ	\$2,144	DS-3IM	1.00	14.1	109	35	Z
40	3600	200	160LCS	E40S1HZ	\$2,415	DS-3IM	1.00	17.4	113	121	L32
	3600	230/460	160LCS	E40S1BZ	\$2,415	DS-3IM	1.00	17.4	160	106/53	L32
	3600	575	160LCS	E40S1GZ	\$2,415	DS-3IM	1.00	17.4	142	42	L32
	3600	200	160ZBS	EZ40S1HZ	\$2,415	DS-3IM	1.00	17.5	144	121	Z
	3600	230/460	160ZBS	EZ40S1BZ	\$2,415	DS-3IM	1.00	17.5	150	106/53	Z
	3600	575	160ZBS	EZ40S1GZ	\$2,415	DS-3IM	1.00	17.5	160	42	Z
50	3600	200	160LCS	E50S1HZ	\$3,534	DS-3IM	1.00	17.4	157	148	L32
	3600	230/460	160LCS	E50S1BZ	\$3,534	DS-3IM	1.00	17.4	165	130/65	L32
	3600	575	160LCS	E50S1GZ	\$3,534	DS-3IM	1.00	17.4	112	52	L32
	3600	200	160ZBS	EZ50S1HZ	\$3,534	DS-3IM	1.00	17.5	157	148	Z
	3600	230/460	160ZBS	EZ50S1BZ	\$3,534	DS-3IM	1.00	17.5	150	130/65	Z
	3600	575	160ZBS	EZ50S1GZ	\$3,534	DS-3IM	1.00	17.5	150	52	Z

Note L32 L32 Flange
Note Z Z Flange

For Loose L32 Flange for 160ZBS Frames, Ask For P/N 972798-000
For Loose Z Flange for 160LCS Frames, Ask For P/N 964418-000

† All marks shown within this document are properties of their respective owners.



Special Application Three Phase, Open Dripproof (ODP) Elevator Motor, Dry Hydraulic Motor



APPLICATIONS:

For elevators where dry hydraulic motors are required, usually five stories or less.

FEATURES:

- CSA^{®†} Certified and UL^{®†} Component Recognized
- 1800 RPM
- NEMA^{®†} Design B
- 80 Starts Per Hour (100 Starts Per Hour With De-rate in HP)
- F1 Assembly
- 60 Hertz
- Class F Insulation
- 1.00 Service Factor
- Intermittent Duty Rated For Operation in a 40°C Ambient Temperature
- Ball Bearing Design
- 72" Lead Length

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
20	1800	200	254T	DH20S2HF	\$2,586	DS-3ID	1.00	22.6	150	58	
	1800	230/460	254T	DH20S2BF	\$2,586	DS-3ID	1.00	22.6	162	52/25.9	
25	1800	200	256T	DH25S2HF	\$3,741	DS-3ID	1.00	23.2	160	72	
	1800	230/460	256T	DH25S2BF	\$3,741	DS-3ID	1.00	23.2	172	65/32	
30	1800	200	284T	DH30S2HF	\$4,508	DS-3ID	1.00	24.9	225	84	
	1800	230/460	284T	DH30S2BF	\$4,508	DS-3ID	1.00	24.9	237	73/36	
40	1800	200	286T	DH40S2HF	\$5,247	DS-3ID	1.00	24.9	250	111	
	1800	230/460	286T	DH40S2BF	\$5,247	DS-3ID	1.00	24.9	262	96/48	
50	1800	200	324T	DH50S2HF	\$6,482	DS-3ID	1.00	27.3	420	133	
	1800	230/460	324T	DH50S2BF	\$6,482	DS-3ID	1.00	27.3	451	116/58	
60	1800	200	326T	DH60S2HF	\$7,794	DS-3ID	1.00	27.3	460	160	
	1800	230/460	326T	DH60S2BF	\$7,794	DS-3ID	1.00	27.3	491	139/69	
75	1800	230/460	364T	DH75S2BF	\$9,587	DS-3ID	1.00	28.7	580	185/92	
100	1800	230/460	365T	DH100S2BF	\$11,739	DS-3ID	1.00	29.7	600	235/118	
125	1800	230/460	404T	DH125S2BF	\$12,800	DS-3ID	1.00	32.6	763	288/144	

† All marks shown within this document are properties of their respective owners.



Special Application Commercial Gate Single Phase, Permanent Split Capacitor Open Dripproof (ODP)



APPLICATIONS:

For gate openers, hoists and most medium start reversing applications.

FEATURES:

- 40°C Ambient
- 1.0 Service Factor
- Reversible Rotation
- 115 Volt, 60 Hertz
- Permanent Lubricated Ball Bearings
- 3 Lead Connection
- Manual Reset Thermal Overload Protector
- Terminal Board Connections Without Motor Switch
- Lower Inrush And Operating Currents
- Modest Starting Torque
- Allows Frequent Starts
- Continuous Duty Capacitor
- Continuous Duty/Intermittent Duty (1 HP Intermittent)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	Notes
1/3	1800	115	56	D13ARM2N	\$499	DS-3FMP	1.00	10.4	19	3.9 & 4.2	23
	1800	115	56	D13ARM2N9	\$524	DS-3FMP	1.00	10.8	20	3.9/4.2	23,35
1/2	1800	115	56	D12ARM2N	\$555	DS-3FMP	1.00	9.4	16	5	23
	1800	115	56	D12ARM2N9	\$587	DS-3FMP	1.00	10.8	20	5.0/5.7	23,35
3/4	1800	115	56	D34ARM2N	\$667	DS-3FMP	1.00	11.9	22	8	23
	1800	115	56	D34ARM2N9	\$698	DS-3FMP	1.00	12.3	22	8/8.3	23,35

Note 23 Manual Reset Thermal Protector Overload

Note 35 Resilient Base

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The Difference is **U.S. MOTORS®**

Select the Site.
Drill Deep.
Install the Pump.
What's Next?

You've done all the work. Now you need a motor you can rely on to finish the job. The U.S. MOTORS® brand Vertical HOLLOSHAFT® motor has been a game changer in the drilling industry since its debut in 1922. These motors are recognized for their longevity, reliability and ease of use. A variety of options allow for unique configurations tailored to your specific requirements, including a comprehensive range of enclosures designed to minimize the effects of adverse external conditions present in turbine, mix flow and propeller pump applications.

For more information about Nidec Motor Corporation or the U.S. MOTORS Vertical HOLLOSHAFT motors, visit www.nidec-motor.com or www.usmotors.com. Better yet, give us a call at 877-532-8988.

Moving the groundwater industry forward with leading-edge motor technologies.



NIDEC MOTOR CORPORATION

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Vertical Motors

For use on turbine, mix flow and propeller pumps for the agriculture, turf, municipal and industrial markets.



Horsepower: 3 through 600 HP

Phase: Single & Three Phase

RPM: 3600, 1800 or 1200

Voltage:

- Single Phase, 115/230 or 230 Volts
- Three Phase, 230/460 or 460 Volts
- Intl. Duty, 220/380-440, 415 or 575 Volts

Efficiency:

- Standard
- Energy Efficient
- Premium Efficient/Inverter Duty

Enclosure:

- Weather Protected Type I (WPI)
- Totally Enclosed, Fan Cooled (TEFC)

Mounting: P-Base

Thrust: Normal, High & Extra High

Thrust Bearing Lubrication:

- Normal Thrust - Grease
- High Thrust
 - Up to 280 frame - Grease
 - 320 frame and larger - Oil
- Extra High Thrust
 - 320 frame and larger - Oil

Guide Bearing Lubrication: Grease

Inverter Duty: Meets NEMA[†] MG1 Part 31

Agency: UL[†] Recognized and CSA[†] Certified



The U.S. MOTORS[®] brand Vertical HOLLOSHAFT[®] motor has been a standard in the pump industry since 1922.

Today, when it comes to vertical motor experience and quality, one brand stands alone – U.S. MOTORS[®].

For conversion and accessory options refer to pages 313-318.



[†] All marks shown within this document are properties of their respective owners.

Vertical HOLLOSHAFT® High Thrust Motors - "P" Base, Single Phase Weather Protected Type I (WPI) Standard Efficient



AUR,
AUC

APPLICATIONS:

For use on turbine, mix flow and propeller pumps.

FEATURES:

- Equipped with Non-Reverse Ratchet
- 1.15 Service Factor, 40°C Ambient
- Class F Insulation
- Capacitor Start Design
- Corrosion Resistant Mill & Chemical Duty Paint
- 3,300 Feet Altitude
- Stainless Steel Nameplate
- **Discount Symbol: DS-7VS**

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	Down Thrust (lbs.)	Base Dia. (in.)	Cplg. Height (in.)	Cplg. BX (in.)	Cplg. Key Size	Ship Wt. (lbs)	Notes
3	1800	115/230	215P	HS3C2PLE	AUR	\$4,568	\$4,291	2500	10	17-9/16	1	1/4	220	
5	3600	230	215P	HS5C1KLE	AUR	\$4,779	\$4,502	2200	10	17-9/16	1	1/4	220	
	1800	230	254UP	HS5C2KLE	AUC	\$5,789	\$5,460	2500	10	23-3/8	1	1/4	265	
7 1/2	3600	230	254UP	HS7C1KLE	AUC	\$6,817	\$6,488	2600	10	23-3/8	1	1/4	265	
	1800	230	256UP	HS7C2KLE	AUC	\$7,831	\$7,455	3300	10	23-3/8	1	1/4	300	

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

† All marks shown within this document are properties of their respective owners.



Vertical HOLLOWSHAFT® High Thrust Motors - "P" Base, Three Phase Weather Protected Type I (WPI) Standard Efficient



AU, RU

APPLICATIONS:

For use on turbine, mix flow and propeller pumps.

FEATURES:

- Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- 1.15 Service Factor (Sine Wave Power)
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230 Volt Part Winding Start
- 30 HP & Below Can Be Rerated for 208/415 Volt, 50 Hertz Operation at 1.0 Service Factor
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives
- 115 Volt Space Heater (through 250 HP)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- **Discount Symbol: DS-7VS**

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	% FL Eff.	Down Thrust (lbs.)	Base Dia. (in.)	Cplg. Height (in.)	Cplg. BX (in.)	Cplg. Key Size	Ship Wt. (lbs)	Notes
7 1/2	1200	230/460	254TPH	HO7S3BLF	AU	\$3,657	\$3,282	86.5	3800	12	23-3/8	1	1/4	265	
10	1200	230/460	256TPH	HO10S3BLF	AU	\$4,136	\$3,751	87.5	3800	12	23-3/8	1	1/4	300	
15	1800	230/460	254TP	HO15S2BLE	AU	\$3,606	\$3,277	89.5	3300	10	23-3/8	1	1/4	265	
	1800	230/460	254TPA	HO15S2BLG	AU	\$3,606	\$3,277	89.5	3300	16-1/2	23-3/8	1	1/4	265	
	1200	230/460	284TPA	HO15S3BLF	AU	\$4,822	\$4,411	88.5	3800	12	24-3/4	1	1/4	305	
20	3600	230/460	254TPH	HO20S1BLF	AU	\$3,831	\$3,479	88.5	2600	12	23-3/8	1	1/4	265	
	1800	230/460	256TPA	HO20S2BLG	AU	\$4,108	\$3,732	89.5	3300	16-1/2	23-3/8	1	1/4	300	
	1800	230/460	256TPH	HO20S2BLF	AU	\$4,108	\$3,732	89.5	3300	12	23-3/8	1	1/4	300	
	1200	230/460	286TPH	HO20S3BLG	AU	\$5,798	\$5,329	88.5	3800	16-1/2	24-3/4	1	1/4	325	
25	3600	230/460	256TPH	HO25S1BLF	AU	\$4,052	\$3,667	89.5	2600	12	23-3/8	1	1/4	300	
	1800	230/460	284TPA	HO25S2BLF	AU	\$4,582	\$4,164	89.5	3300	12	24-3/4	1	1/4	305	
	1800	230/460	284TPH	HO25S2BLG	AU	\$4,582	\$4,164	89.5	3300	16-1/2	24-3/4	1	1/4	305	
	1200	230/460	324TP	HO25S3BLG	RU	\$6,690	\$6,150	87.5	6700	16-1/2	28-7/32	1	1/4	635	
30	3600	230/460	284TPA	HO30S1BLF	AU	\$4,437	\$4,033	88.5	2600	12	24-3/4	1	1/4	305	
	1800	230/460	286TPA	HO30S2BLF	AU	\$5,150	\$4,685	90.2	3300	12	24-3/4	1	1/4	325	
	1800	230/460	286TPH	HO30S2BLG	AU	\$5,150	\$4,685	90.2	3300	16-1/2	24-3/4	1	1/4	325	
	1200	230/460	326TP	HO30S3BLG	RU	\$7,639	\$7,019	87.5	6700	16-1/2	28-7/32	1-1/4	3/8	675	
40	3600	230/460	286TPA	HO40S1BLF	AU	\$5,798	\$5,272	89.5	2600	12	24-3/4	1	1/4	325	
	1800	230/460	324TP	HO40S2BLG	RU	\$5,986	\$5,502	89.5	5700	16-1/2	28-7/32	1-1/4	1/4	635	
	1800	230/460	324TP	HO40S2BLGN	RU	-	\$5,502	89.5	5700	16-1/2	28-7/32	1-1/4	1/4	635	91
	1800	230/460	324TPH	HO40S2BLF	RU	\$5,986	\$5,502	89.5	5700	12	28-7/32	1-1/4	1/4	635	
	1800	460	324TP	HO40S2SLG	RU	\$5,986	\$5,502	89.5	5700	16-1/2	28-7/32	1-1/4	1/4	635	PWS
	1200	230/460	364TP	HO40S3BLGX	RU	\$9,333	\$8,577	88.5	11725	16-1/2	31-5/32	1-1/4	3/8	730	
50	3600	230/460	324TPH	HO50S1BLF	RU	\$6,587	\$6,052	88.5	4600	12	28-7/32	1	1/4	635	
	1800	230/460	326TP	HO50S2BLG	RU	\$7,103	\$6,526	90.2	5700	16-1/2	28-7/32	1-1/4	1/4	675	
	1800	230/460	326TP	HO50S2BLGN	RU	-	\$6,526	90.2	5700	16-1/2	28-7/32	1-1/4	1/4	675	91
	1800	230/460	326TPH	HO50S2BLF	RU	\$7,103	\$6,526	90.2	5700	12	28-7/32	1-1/4	1/4	675	
	1800	460	326TP	HO50S2SLG	RU	\$7,103	\$6,526	90.2	5700	16-1/2	28-7/32	1-1/4	1/4	675	PWS
	1200	230/460	365TP	HO50S3BLGX	RU	\$11,005	\$10,113	90.2	11725	16-1/2	31-5/32	1-1/4	3/8	800	
60	3600	460	326TP	HO60S1SLG	RU	\$7,859	\$7,221	89.5	4600	16-1/2	28-7/32	1-1/4	1/4	675	PWS
	1800	230/460	364TP	HO60S2BLG	RU	\$8,202	\$7,540	90.2	5700	16-1/2	31-5/32	1-1/4	1/4	730	
	1800	230/460	364TP	HO60S2BLGN	RU	-	\$7,540	90.2	5700	16-1/2	31-5/32	1-1/4	1/4	730	91
	1800	460	364TP	HO60S2SLG	RU	\$8,202	\$7,540	90.2	5700	16-1/2	31-5/32	1-1/4	1/4	730	PWS
	1200	460	404TP	HO60S3SLGX	RU	\$12,568	\$11,549	89.5	13650	16-1/2	36-15/16	1-1/2	3/8	1110	PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

Note 91 Includes SRC & 115V Space Heater

Note PWS Part Winding Start

† All marks shown within this document are properties of their respective owners.



Vertical HOLLOSHAFT® High Thrust Motors - "P" Base, Three Phase Weather Protected Type I (WPI) Standard Efficient



AU, RU

(continued)

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	% FL Eff.	Down Thrust (lbs.)	Base Dia. (in.)	Cplg. Height (in.)	Cplg. BX (in.)	Cplg. Key Size	Ship Wt. (lbs)	Notes
75	3600	460	364TP	HO75S1SLG	RU	\$9,831	\$9,038	89.5	4500	16-1/2	31-5/32	1-1/4	1/4	730	PWS
	1800	230/460	365TP	HO75S2BLG	RU	\$9,986	\$9,178	91.7	5700	16-1/2	31-5/32	1-1/4	1/4	800	
	1800	230/460	365TP	HO75S2BLGN	RU	-	\$9,178	91.7	5700	16-1/2	31-5/32	1-1/4	1/4	800	91
	1800	460	365TP	HO75S2SLG	RU	\$9,986	\$9,178	91.7	5700	16-1/2	31-5/32	1-1/4	1/4	800	PWS
	1200	460	405TP	HO75S3SLGX	RU	\$14,779	\$13,582	89.5	13650	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
100	3600	460	365TP	HO100S1SLG	RU	\$13,249	\$12,174	91.0	4500	16-1/2	31-5/32	1-1/4	3/8	800	PWS
	1800	230/460	404TP	HO100S2BLG	RU	\$12,615	\$11,596	93.0	6700	16-1/2	36-15/16	1-1/2	3/8	1110	
	1800	460	404TP	HO100S2SLG	RU	\$12,615	\$11,596	93.0	6700	16-1/2	36-15/16	1-1/2	3/8	1110	PWS
	1800	460	404TP	HO100S2SLGX	RU	\$13,150	\$12,131	93.0	11725	16-1/2	36-15/16	1-1/2	3/8	1110	PWS
125	1800	460	405TP	HO125S2SLG	RU	\$15,239	\$14,005	93.0	6700	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
	1800	460	405TP	HO125S2SLGX	RU	\$15,887	\$14,653	93.0	11725	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
150	1800	460	H444TP	HO150S2SLG	RU	\$18,333	\$17,033	93.0	9800	16-1/2	44-25/32	1-11/16	3/8	1500	PWS
	1800	460	H444TP	HO150S2SLGX	RU	\$19,131	\$17,831	92.4	17150	16-1/2	44-25/32	1-11/16	3/8	1500	PWS
	1800	460	H444TPA	HO150S2SLH	RU	\$18,333	\$17,033	93.0	9800	20	44-25/32	1-11/16	3/8	1500	PWS
200	1800	460	H445TP	HO200S2SLG	RU	\$24,911	\$23,141	94.5	9800	16-1/2	44-25/32	1-11/16	3/8	1600	PWS
	1800	460	H445TPA	HO200S2SLHX	RU	\$25,991	\$24,221	94.1	17150	20	44-25/32	1-11/16	3/8	1600	PWS
250	1800	460	H445TPA	HO250S2SLHX	RU	\$29,944	\$28,610	94.5	17150	20	44-25/32	1-11/16	3/8	1600	PWS
300	1800	460	447TPA	HO300S2SLHX	RU	\$35,326	\$34,080	94.5	17150	20	49-25/32	1-11/16	3/8	2200	51,PWS
350	1800	460	447TPA	HO350S2SLHX	RU	\$40,796	\$39,549	94.5	17150	20	49-25/32	1-11/16	3/8	2200	51,PWS
400	1800	460	449TPH	HO400S2SLHX	HU	\$46,261	\$45,014	95.4	28500	20	49-25/32	1-15/16	1/2	2800	51,52,53,PWS
500	1800	460	5008PH	HO500S2SLHX	RU	\$56,378	\$54,969	95.4	28500	20	57-1/16	2-3/16	1/2	3700	51,52,53,PWS
600	1800	460	5008P	HO600S2SLJX	RU	\$84,730	\$83,322	95.0	28500	24-1/2	57-1/16	2-3/16	1/2	3700	51,52,53,PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

Note 51 Equipped with Winding Thermostat

Note 52 Requires minimal external thrust equal to 30% down thrust value shown

Note 53 Synthetic Oil required

Note 91 Includes SRC & 115V Space Heater

Note PWS Part Winding Start

† All marks shown within this document are properties of their respective owners.



Vertical HOLLOWSHAFT® High Thrust Motors - "P" Base, Three Phase Weather Protected Type I (WPI) Energy Efficient



AUE, RUE

APPLICATIONS:

For use on turbine, mix flow and propeller pumps.

FEATURES:

- Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- 1.15 Service Factor (Sine Wave Power)
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230 Volt Part Winding Start
- 30 HP & Below Can Be Rerated for 208/415 Volt, 50 Hertz Operation at 1.0 Service Factor
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives
- 115 Volt Space Heater (through 250 HP)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- **Discount Symbol: DS-7VS**

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	% FL Eff.	Down Thrust (lbs)	Base Dia. (in)	Cplg. Height (in)	Cplg. BX (in)	Cplg. Key Size	Ship Wt. (lbs)	Notes
7 1/2	1800	230/460	213TP	HO7E2BLE	AUE	\$3,303	\$3,059	90.2	2500	10	17-9/16	1	1/4	210	
10	1800	230/460	215TP	HO10E2BLE	AUE	\$3,641	\$3,364	91.0	2500	10	17-9/16	1	1/4	220	
25	1800	230/460	284TPH	HO25E2BLG	AUE	\$5,606	\$5,188	92.4	3300	16-1/2	24-3/4	1	1/4	305	
30	1800	230/460	286TPH	HO30E2BLG	AUE	\$6,174	\$5,709	92.4	3300	16-1/2	24-3/4	1	1/4	325	
40	1800	230/460	324TP	HO40E2BLG	RUE	\$7,383	\$6,899	93.6	5700	16-1/2	28-7/32	1-1/4	1/4	635	
	1800	230/460	324TPH	HO40E2BLF	RUE	\$7,383	\$6,899	93.6	5700	12	28-7/32	1-1/4	1/4	635	
	1800	575	324TP	HO40E2GLG	RUE	\$7,383	\$6,899	93.0	5700	16-1/2	28-7/32	1-3/16	1/4	635	
50	1800	230/460	326TP	HO50E2BLG	RUE	\$8,500	\$7,923	93.6	5700	16-1/2	28-7/32	1-1/4	1/4	675	
	1800	575	326TP	HO50E2GLG	RUE	\$8,500	\$7,923	93.0	5700	16-1/2	28-7/32	1-3/16	1/4	675	
60	1800	460	364TP	HO60E2SLG	RUE	\$10,063	\$9,401	94.1	5700	16-1/2	31-5/32	1-1/4	1/4	730	PWS
	1800	575	364TP	HO60E2GLG	RUE	\$10,063	\$9,401	93.6	5700	16-1/2	31-5/32	1-3/16	1/4	730	
75	1800	460	365TP	HO75E2SLG	RUE	\$11,847	\$11,040	94.1	5700	16-1/2	31-5/32	1-1/4	1/4	800	PWS
	1800	575	365TP	HO75E2GLG	RUE	\$11,847	\$11,040	94.1	5700	16-1/2	31-5/32	1-3/16	1/4	800	
100	1800	460	404TP	HO100E2SLG	RUE	\$15,230	\$14,211	94.5	6700	16-1/2	36-15/16	1-1/2	3/8	1110	PWS
125	1800	460	405TP	HO125E2SLG	RUE	\$17,854	\$16,620	95.0	6700	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
150	1800	460	H444TP	HO150E2SLG	RUE	\$23,955	\$22,655	95.4	9800	16-1/2	44-25/32	1-11/16	3/8	1500	PWS
200	1800	460	H445TP	HO200E2SLG	RUE	\$30,533	\$28,763	95.4	9800	16-1/2	44-25/32	1-11/16	3/8	1600	PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

Note PWS Part Winding Start

† All marks shown within this document are properties of their respective owners.



Vertical HOLLOSHAFT® High Thrust Motors - "P" Base, Three Phase Weather Protected Type I (WPI) Premium Efficient & Inverter Duty



APPLICATIONS:

For use on turbine, mix flow and propeller pumps.

FEATURES:

- Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- 1.15 Service Factor (Sine Wave Power)
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230 Volt Part Winding Start
- 30 HP & Below Can Be Rerated for 208/415 Volt, 50 Hertz Operation at 1.0 Service Factor
- Inverter Duty per NEMA®† MG-1 Part 31 at 1.0 Service Factor
- 115 Volt Space Heater (through 250 HP)
- Corrosion Resistant Mill & Chemical Duty Paint
- Premium Efficient Design, Special Balance
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- List Prices for 60-500HP effective January 1, 2013
- **Discount Symbol: DS-7VS**

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	% FL Eff.	Down Thrust (lbs)	Base Dia. (in)	Cplg Height (in)	Cplg BX (in)	Cplg Key Size	Ship Wt. (lbs)	Notes
15	1800	230/460	254TP	HO15V2BLE	AUI	\$4,415	\$4,087	91.7	3300	10	23-3/8	1	1/4	265	97
20	1800	230/460	256TPH	HO20V2BLF	AUI	\$4,918	\$4,542	92.4	3300	12	24-3/4	1	1/4	300	97
25	1800	230/460	284TPA	HO25V2BLF	AUI	\$5,606	\$5,188	92.4	3300	12	24-3/4	1	1/4	305	97
30	1800	230/460	286TPA	HO30V2BLF	AUI	\$6,174	\$5,709	92.4	3300	12	24-3/4	1	1/4	325	97
40	1800	230/460	324TP	HO40V2BLG	RUSI	\$7,779	\$7,296	94.1	5700	16-1/2	28-7/32	1-1/4	1/4	635	51,97,D
	1800	230/460	324TPH	HO40V2BLF	RUSI	\$7,779	\$7,296	94.1	5700	12	28-7/32	1-1/4	1/4	635	51,97,D
50	1800	230/460	326TP	HO50V2BLG	RUSI	\$8,894	\$8,317	94.5	5700	16-1/2	28-7/32	1-1/4	1/4	675	51,97,D
60	1800	460	364TP	HO60V2SLG	RUSI	\$10,528	\$9,866	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	730	51,97,D,PWS
75	1800	460	365TP	HO75V2SLG	RUSI	\$12,312	\$11,505	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	800	51,97,D,PWS
100	1800	460	404TP	HO100V2SLG	RUSI	\$15,885	\$14,866	95.4	6700	16-1/2	36-15/16	1-1/2	3/8	1110	51,97,E,PWS
125	1800	460	405TP	HO125V2SLG	RUSI	\$18,509	\$17,275	95.4	6700	16-1/2	36-15/16	1-1/2	3/8	1200	51,97,E,PWS
150	1800	460	H444TP	HO150V2SLG	RUSI	\$25,362	\$24,061	95.8	9800	16-1/2	44-25/32	1-11/16	3/8	1500	51,97,E,PWS
200	1800	460	H445TPA	HO200V2SLH	RUSI	\$31,516	\$29,746	95.8	9800	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
250	1800	460	H445TPA	HO250V2SLH	RUSI	\$39,399	\$38,066	95.8	9800	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
300	1800	460	447TPA	HO300V2SLH	RUSI	\$45,704	\$44,458	95.8	9800	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
350	1800	460	447TPA	HO350V2SLH	RUSI	\$50,683	\$49,437	95.8	9800	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
400	1800	460	449TPH	HO400V2SLH	HUSI	\$57,514	\$56,268	95.8	9500	20	49-25/32	1-15/16	1/2	2800	51,97,E,PWS
450	1800	460	449TPH	HO450V2SLH	HUSI	\$61,148	\$59,871	96.2	9500	20	49-25/32	1-15/16	1/2	2800	51,97,E,PWS
500	1800	460	5008PH	HO500V2SLH	RUEI	\$73,575	\$71,736	96.2	9500	20	57-1/16	2-3/16	1/2	3700	51,97,E,PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

- Note 51 Equipped with Winding Thermostat
 Note 97 Inverter Duty with Inverter Grade Insulation
 Note D Includes internal shaft grounding ring
 Note E Includes internal shaft grounding ring and upper insulated bearing
 Note PWS Part Winding Start

† All marks shown within this document are properties of their respective owners.



Vertical HOLLOWSHAFT® High Thrust Motors - "P" Base, Three Phase Totally Enclosed Fan Cooled (TEFC) Standard Efficient

APPLICATIONS:

For use on turbine, mix flow and propeller pumps.

FEATURES:

- Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- 1.15 Service Factor (Sine Wave Power)
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230 Volt Part Winding Start
- 30 HP & Below Can Be Rerated for 208/415 Volt, 50 Hertz Operation at 1.0 Service Factor
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- **Discount Symbol: DS-7VS**

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	% FL Eff.	Down Thrust (lbs)	Base Dia. (in)	Cplg. Height (in)	Cplg. BX (in)	Cplg. Key Size	Ship Wt. (lbs)	Notes
5	3600	230/460	184TP	HT5S1BLE	TU	\$2,692	\$2,434	80.0	2200	10	17-9/16	1	1/4	170	
	1800	230/460	184TP	HT5S2BLE	TU	\$2,683	\$2,298	82.5	2500	10	17-9/16	1	1/4	170	
7 1/2	3600	230/460	213TP	HT7S1BLE	TU	\$2,786	\$2,514	81.5	2200	10	17-9/16	1	1/4	210	
	1800	230/460	213TP	HT7S2BLE	TU	\$2,737	\$2,394	84.0	2500	10	17-9/16	1	1/4	210	
10	3600	230/460	215TP	HT10S1BLE	TU	\$3,066	\$2,789	82.5	2200	10	17-9/16	1	1/4	220	
	1800	230/460	215TP	HT10S2BLE	TU	\$3,066	\$2,714	86.5	2500	10	17-9/16	1	1/4	220	
15	3600	230/460	215TP	HT15S1BLE	TU	\$3,629	\$3,352	86.5	2200	10	17-9/16	1	1/4	220	
	1800	230/460	254TP	HT15S2BLE	TU	\$4,683	\$4,261	88.5	3300	10	22-15/16	1	1/4	330	
20	1800	230/460	256TP	HT20S2BLE	TU	\$5,343	\$4,854	87.5	3300	10	22-15/16	1	1/4	300	
25	1800	230/460	284TPA	HT25S2BLF	TU	\$5,958	\$5,413	89.5	3300	12	26-9/16	1	1/4	320	
30	1800	230/460	286TPA	HT30S2BLF	TU	\$6,700	\$6,089	88.5	3300	12	26-9/16	1	1/4	330	1.00 Service Factor
40	1800	230/460	324TP	HT40S2BLG	TU	\$8,380	\$7,700	91.0	4500	16-1/2	28-1/2	1-1/4	1/4	665	
50	1800	230/460	326TP	HT50S2BLG	TU	\$9,944	\$9,136	91.0	4500	16-1/2	28-1/2	1-1/4	1/4	690	
60	1800	460	364TP	HT60S2CLG	TU	\$12,305	\$11,305	91.7	5600	16-1/2	30	1-1/4	1/4	900	
75	1800	460	365TP	HT75S2CLG	TU	\$14,981	\$13,777	92.4	5600	16-1/2	30	1-1/4	1/4	925	
100	1800	460	405TP	HT100S2CLG	TU	\$20,188	\$18,554	93.0	7000	16-1/2	39-15/16	1-1/2	3/8	1500	
125	1800	460	444TP	HT125S2CLG	TU	\$26,268	\$24,399	92.4	9300	16-1/2	42-1/2	1-1/2	3/8	1900	

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

† All marks shown within this document are properties of their respective owners.



Vertical HOLLOSHAFT® High Thrust Motors - "P" Base, Three Phase Weather Protected Type I (WPI) International Duty



AU, RU

APPLICATIONS:

For use on turbine, mix flow and propeller pumps.

FEATURES:

- Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- 1.15 Service Factor (Sine Wave Power)
- Maximum 50°C Ambient, 3,300 Feet Altitude
- NEMA®† Design A, 60 Hertz
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Hardware
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- **Discount Symbol: DS- 7VS**

60 Hz, 220/380-440 Volt, 12 Lead Wye-Delta

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	% FL Eff.	Down Thrust (lbs)	Base Dia. (in)	Cplg. Height (in)	Cplg. BX (in)	Cplg. Key Size	Ship Wt. (lbs)	Notes
20	1800	220/380-440	256TPH	HO20S2RLF	AU	\$4,458	\$4,082	90.2	3300	12	23-3/8	1	1/4	300	48
25	1800	220/380-440	284TPA	HO25S2RLF	AU	\$4,972	\$4,554	89.5	3300	12	24-3/4	1	1/4	305	
30	1800	220/380-440	286TPA	HO30S2RLF	AU	\$5,587	\$5,122	91.0	3300	12	24-3/4	1	1/4	325	
40	1800	220/380-440	324TPH	HO40S2RLF	RU	\$6,495	\$6,012	91.0	5700	12	28-7/32	1	1/4	635	48
50	1800	220/380-440	326TP	HO50S2RLG	RU	\$7,707	\$7,129	91.0	5700	16-1/2	28-7/32	1-3/16	1/4	675	
60	1800	220/380-440	364TP	HO60S2RLG	RU	\$8,899	\$8,237	91.7	5700	16-1/2	31-5/32	1-3/16	1/4	730	48
75	1800	220/380-440	365TP	HO75S2RLG	RU	\$10,836	\$10,028	91.0	5700	16-1/2	31-5/32	1-3/16	1/4	800	48
100	1800	220/380-440	404TP	HO100S2RLG	RU	\$13,646	\$12,627	93.0	6700	16-1/2	36-15/16	1-3/16	1/4	1110	
125	1800	220/380-440	405TP	HO125S2RLG	RU	\$16,535	\$15,300	93.6	6700	16-1/2	36-15/16	1-1/2	3/8	1200	
150	1800	220/380-440	H444TP	HO150S2RLG	RU	\$19,892	\$18,592	93.0	9800	16-1/2	44-25/32	1-1/2	3/8	1500	48
200	1800	220/380-440	H445TP	HO200S2RLG	RU	\$27,028	\$25,258	93.0	9800	16-1/2	44-25/32	1-1/2	3/8	1600	
250	1800	220/380-440	H445TPA	HO250S2RLH	RU	\$32,488	\$31,160	95.0	9800	20	44-25/32	1-11/16	3/8	1600	48
300	1800	220/380-440	H447TPA	HO300S2RLHX	RU	\$37,279	\$36,110	95.0	17150	20	49-25/32	1-11/16	3/8	2200	

50 Hz, 415 Volt, 6 Lead Wye-Delta

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/ NRR	List w/ SRC	% FL Eff.	Down Thrust (lbs)	Base Dia. (in)	Cplg. Height (in)	Cplg. BX (in)	Cplg. Key Size	Ship Wt. (lbs)	Notes
25	1500	415	284TPA	HO25S25LF	AU	\$4,969	\$4,554	88.5	3300	12	24-3/4	1	1/4	305	
30	1500	415	286TPA	HO30S25LF	AU	\$5,587	\$5,122	89.5	3300	12	24-3/4	1	1/4	325	
40	1500	415	324TP	HO40S25LG	RU	\$6,472	\$6,012	91.7	5700	16-1/2	28-7/32	1-1/4	1/4	635	
50	1500	415	326TP	HO50S25LG	RU	\$7,707	\$7,129	91.0	5700	16-1/2	28-7/32	1-3/16	1/4	675	
60	1500	415	364TP	HO60S25LG	RU	\$8,899	\$8,237	91.0	5700	16-1/2	31-5/32	1-3/16	1/4	730	
75	1500	415	365TP	HO75S25LG	RU	\$10,836	\$10,028	91.0	5700	16-1/2	31-5/32	1-3/16	1/4	800	
100	1500	415	404TP	HO100S25LG	RU	\$13,646	\$12,627	92.4	6700	16-1/2	36-15/16	1-3/16	1/4	1110	
125	1500	415	405TP	HO125S25LG	RU	\$16,535	\$15,300	93.0	6700	16-1/2	36-15/16	1-1/2	3/8	1200	
150	1500	415	H444TP	HO150S25LG	RU	\$19,892	\$18,592	94.1	9800	16-1/2	44-25/32	1-1/2	3/8	1500	
200	1500	415	H445TP	HO200S25LG	RU	\$26,988	\$25,258	94.1	9800	16-1/2	44-25/32	1-1/2	3/8	1600	
250	1500	415	H445TP	HO250S25LH	RU	\$32,488	\$31,160	93.6	9800	20	44-25/32	1-11/16	3/8	1600	
300	1500	415	447TPA	HO300S25LH	RU	\$36,488	\$36,110	94.5	9800	20	49-25/32	1-11/16	3/8	2200	48

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

Note 48 Can be nameplated for 50 Hertz, 190/380 volt, 40C Ambient, 1.0 Service Factor, Class F Rise

† All marks shown within this document are properties of their respective owners.



Vertical Solid Shaft Normal Thrust - "P" Base Three Phase, WPI & TEFC, Energy Efficient & Premium Efficient



TV, AV, RV

APPLICATIONS:

For use on vertical end suction, short couple pumps, centrifugal and non-clog pumps.

FEATURES:

- 30HP & Below can be Rerated for 208/415 Volt, 50 Hertz Operation at 1.0 Service Factor
- Class F Insulation, Class B Rise at Full Load
- 40°C Ambient, NEMA®† Design B Performance
- 230/460 Volt Motors Suitable for 230 Volt Part Winding Start
- Refer to Page viii for Suitability of IHP Motors on Variable Frequency Drives
- 1.15 Service Factor (Sine Wave), 40°C Ambient
- Corrosion Resistant Mill & Chemical Duty Paint
- **Discount Symbol: DS-7NS**

Energy Efficient

HP	RPM	Voltage	Frame	Catalog Number	Type	List	% FL Eff.	Down Thrust (lbs)	Base Dia. (in)	Ship Wt. (lbs)	Notes
1	1800	230/460	143VP	NT1E2BE	TVE	\$1,045	82.5	260	10	35	
	1200	230/460	145VP	NT1E3BE	TVE	\$1,408	80.0	340	10	45	
1 1/2	3600	230/460	143VP	NT32E1BE	TVE	\$1,338	82.5	200	10	35	
	1800	230/460	145VP	NT32E2BE	TVE	\$1,209	84.0	300	10	45	
	1200	230/460	182VP	NT32E3BE	TVE	\$2,042	85.5	400	10	150	
2	3600	230/460	145VP	NT2E1BE	TVE	\$1,408	84.0	220	10	45	
	1800	230/460	145VP	NT2E2BE	TVE	\$1,362	84.0	340	10	45	
	1200	230/460	184VP	NT2E3BE	TVE	\$2,512	86.5	450	10	170	
3	1800	230/460	182VP	NO3E2BE	AVE	\$1,634	86.5	390	10	150	
	1800	230/460	182VP	NT3E2BE	TVE	\$2,124	87.5	390	10	150	
5	1800	230/460	184VP	NT5E2BE	TVE	\$2,974	87.5	490	10	170	
	1800	230/460	184VP	NO5E2BE	AVE	\$2,512	87.5	490	10	170	
7 1/2	1800	230/460	213VP	NT7E2BE	TVE	\$3,796	89.5	560	10	210	
	1800	230/460	213VP	NO7E2BE	AVE	\$2,923	88.5	560	10	210	
10	1800	230/460	215VP	NO10E2BE	AVE	\$3,284	89.5	640	10	220	
15	1800	230/460	254VP	NO15E2BE	AVE	\$3,777	91.0	640	10	265	
20	1800	230/460	256VP	NO20E2BE	AVE	\$4,310	91.0	640	10	300	
25	1800	230/460	284VPZ	NO25E2BE	AVE	\$4,620	91.7	640	10	305	
30	1800	230/460	286VP	NT30E2BE	TVE	\$6,756	92.4	640	10	330	
	1800	230/460	286VPZ	NO30E2BE	AVE	\$5,195	92.4	640	10	325	
40	1800	230/460	324VP	NO40E2BG	RVE	\$5,516	93.0	640	10	635	
50	1800	230/460	326VP	NO50E2BG	RVE	\$6,547	93.0	640	10	675	
100	1800	230/460	404VPZ	NO100E2BG	RVE	\$11,143	95.0	720	16-1/2	1110	
125	1800	230/460	405VPZ	NO125E2BG	RVE	\$13,460	94.5	720	16-1/2	1200	

Premium Efficient

HP	RPM	Voltage	Frame	Catalog Number	Type	List	% FL Eff.	Down Thrust (lbs)	Base Dia. (in)	Ship Wt. (lbs)	Notes
1	1800	230/460	143VP	NT1P2BE	TVS	\$1,136	85.5	260	10	35	
	1200	230/460	145VP	NT1P3BE	TVS	\$1,540	82.5	340	10	45	
1 1/2	3600	230/460	143VP	NT32P1BE	TVS	\$1,444	84.0	200	10	35	
	1800	230/460	145VP	NT32P2BE	TVS	\$1,312	86.5	300	10	45	
	1200	230/460	182VP	NT32P3BE	TVS	\$2,207	87.5	400	10	150	
2	3600	230/460	145VP	NT2P1BE	TVS	\$1,526	85.5	220	10	45	
	1800	230/460	145VP	NT2P2BE	TVS	\$1,488	86.5	340	10	45	
	1200	230/460	184VP	NT2P3BE	TVS	\$2,639	88.5	450	10	170	

† All marks shown within this document are properties of their respective owners.



HOLLOSHAFT® Motors

Steady Bushing Kits

FEATURES:

Steady bushings are designed to fit HOLLOSHAFT® motors and will give the mechanical characteristics of a solid shaft motor. Be sure to enter steady bushings with the motor order. Steady bushings will be included with the motor attached to the skid for customer installation in the field. Product listed may not be available from stock.

Frame	Type	Kit Part Number	Bore Size	List Price
182-215	AU, TU	365649	0.75	\$202
		978141	0.875	\$202
		365650	1	\$202
254-286	AU, TU	365651	0.75	\$202
		978142	0.875	\$202
		365657	1	\$202
		978143	1.063	\$202
		365659	1.188	\$202
		365662	1.25	\$202
		978147	1	\$300
324-326	RU, TU	365666	1.188	\$300
		365667	1.25	\$300
		978148	1.313	\$300
		365668	1.438	\$300
		365669	1.5	\$300
		978147	1	\$300
364-365	RU	365666	1.188	\$300
		365667	1.25	\$300
		978148	1.313	\$300
		365668	1.438	\$300
		365669	1.5	\$300
364-365	TU	978149	1	\$300
		365670	1.188	\$300
		365671	1.25	\$300
		365672	1.438	\$300
		365673	1.5	\$300
		978150	1.563	\$300
		978151	1.625	\$300
		978153	1.688	\$300
		978152	1.75	\$300
		978154	1.188	\$300
404-405	RU	978155	1.25	\$300
		365674	1.438	\$300
		365675	1.5	\$300
		978156	1.563	\$300
		365676	1.688	\$300
		978157	1.813	\$300
		365677	1.438	\$300
		365678	1.5	\$300
404-447	TU	978158	1.563	\$300
		978159	1.625	\$300
		365679	1.688	\$300
		978160	1.75	\$300
		978161	1.875	\$300
		365680	1.938	\$300
		978158	1.563	\$300
		978159	1.625	\$300

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HOLLOSHAFT® Motors Steady Bushing Kits

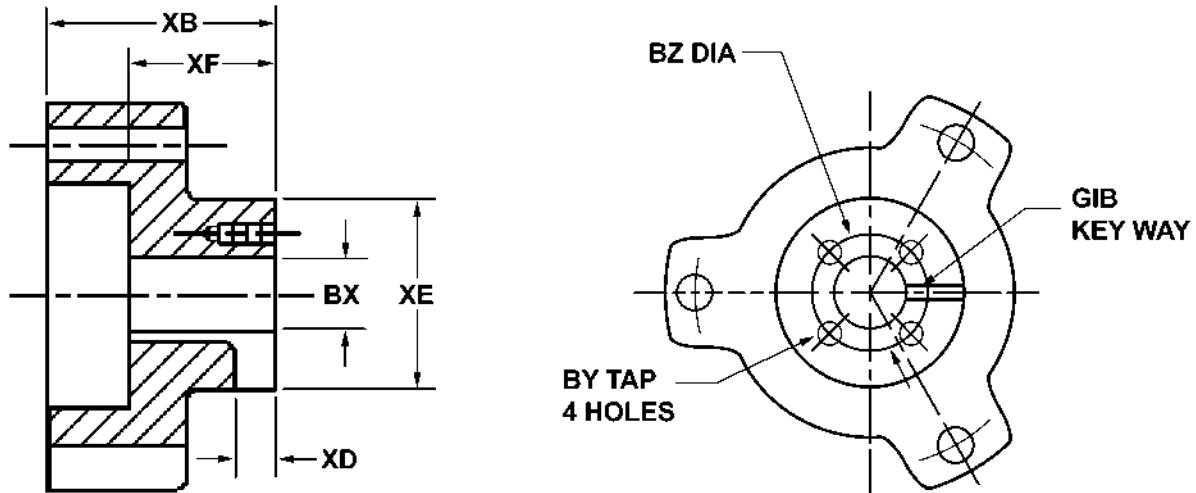
FEATURES:

Steady bushings are designed to fit HOLLOSHAFT® motors and will give the mechanical characteristics of a solid shaft motor. Be sure to enter steady bushings with the motor order. Steady bushings will be included with the motor attached to the skid for customer installation in the field. Product listed may not be available from stock.

Frame	Type	Kit Part Number	Bore Size	List Price
H444-447	RU	918162	1.313	\$300
		365677	1.438	\$300
		365678	1.5	\$300
		365679	1.688	\$300
		978160	1.75	\$300
		365680	1.938	\$300
		978163	2.125	\$300
		365681	2.188	\$300
		365682	2.25	\$300
5008	RU,RUS	492633-169	1.688	\$418
		492633-194	1.938	\$418
		492633-213	2.125	\$418
		492633-219	2.188	\$418
		492633-225	2.25	\$418
		492633-238	2.375	\$418
		492633-244	2.438	\$418
		492633-250	2.5	\$418



HOLLOSHAFT® Drive Coupling Part Numbers



Frame	Type	Part No.	Bore Size		Key	BY	BZ	XB	XD	XE	XF
			Nominal	Actual							
182-215	AU, TU, AUR	159002	0.750	0.751	0.188	10-32	1.375	1.750	0.344	2.000	1.125
		181107	0.875	0.876	0.188	10-32	1.375	1.750	0.406	2.000	1.125
		159001	1.000	1.001	0.250	10-32	1.375	1.750	0.406	2.000	1.125
		157744	-	0.624	-	-	-	1.750	-	2.000	1.125
254-256	AU, TU, AUC	174431	0.750	0.751	0.188	10-32	1.375	2.563	0.344	2.250	1.625
		181105	0.875	0.876	0.188	10-32	1.375	2.563	0.344	2.250	1.625
		B 102999	1.000	1.001	0.250	10-32	1.375	2.563	0.406	2.250	1.625
		779353*	1.063	1.063	0.250	10-32	1.375	2.563	0.406	2.250	1.625
		B 104720	1.188	1.188	0.250	.25-20	1.750	2.563	0.406	2.250	1.625
		152434	1.250	1.251	0.250	.25-20	1.750	2.563	0.406	2.250	1.625
		366983	1.250	1.251	0.375	.25-20	1.750	2.563	0.531	2.250	1.625
		B 102986	-	0.751	-	-	-	2.563	-	2.250	1.625
284-286	AU, TU	174431	0.750	0.751	0.188	10-32	1.375	2.563	0.344	2.250	1.625
		181105	0.875	0.876	0.188	10-32	1.375	2.563	0.344	2.250	1.625
		B 102999	1.000	1.001	0.250	10-32	1.375	2.563	0.406	2.250	1.625
		779353*	1.063	1.063	0.250	10-32	1.375	2.563	0.406	2.250	1.625
		B 104720	1.188	1.188	0.250	.25-20	1.750	2.563	0.406	2.250	1.625
		152434	1.250	1.251	0.250	.25-20	1.750	2.563	0.406	2.250	1.625
		366983	1.250	1.251	0.375	.25-20	1.750	2.563	0.531	2.250	1.625
		B 102986	-	0.751	-	-	-	2.563	-	2.250	1.625

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HOLLOSHAFT®

Drive Coupling Part Numbers

Frame	Type	Part No.	Bore Size		Key	BY	BZ	XB	XD	XE	XF
			Nominal	Actual							
324-326	RU,TU	136731	1.000	1.001	0.250	10-32	1.375	2.938	0.406	2.875	1.938
		132607	1.188	1.188	0.250	.25-20	1.750	2.938	0.406	2.875	1.938
		162458	1.250	1.251	0.250	.25-20	1.750	2.938	0.406	2.875	1.938
		132608	1.250	1.251	0.375	.25-20	1.750	2.938	0.531	2.875	1.938
		795905*	1.313	1.313	0.375	.25-20	1.750	2.938	0.531	2.875	1.938
		132609	1.438	1.438	0.375	.25-20	2.125	2.938	0.531	2.875	1.938
		132610	1.500	1.501	0.375	.25-20	2.125	2.938	0.531	2.875	1.938
		B 108565	-	0.751	-	-	-	2.938	-	2.875	1.938
364-365	TU	471208*	1.000	1.001	0.250	.25-20	1.750	3.813	0.406	3.875	2.750
		172313	1.188	1.188	0.250	.25-20	1.750	3.813	0.406	3.875	2.750
		172315	1.250	1.251	0.250	.25-20	1.750	3.813	0.406	3.875	2.750
		366985	1.250	1.251	0.375	.25-20	1.750	3.813	0.531	3.875	2.750
		172314	1.438	1.438	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		118296	1.500	1.501	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		929360*	1.563	1.563	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		789957*	1.625	1.626	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		118297*	1.688	1.688	0.375	.25-20	2.500	3.813	0.531	3.875	2.750
		118298*	1.750	1.751	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		118295	-	0.751	-	-	-	3.813	-	3.875	2.750
364-365	RU	136731	1.000	1.001	0.250	10-32	1.375	2.938	0.406	2.875	1.938
		132607	1.188	1.188	0.250	.25-20	1.750	2.938	0.406	2.875	1.938
		162458	1.250	1.251	0.250	.25-20	1.750	2.938	0.406	2.875	1.938
		132608	1.250	1.251	0.375	.25-20	1.750	2.938	0.531	2.875	1.938
		795905*	1.313	1.313	0.375	.25-20	1.750	2.938	0.531	2.875	1.938
		132609	1.438	1.438	0.375	.25-20	2.125	2.938	0.531	2.875	1.938
		132610	1.500	1.501	0.375	.25-20	2.125	2.938	0.531	2.875	1.938
		B 108565	-	0.751	-	-	-	2.938	-	2.875	1.938
404-405	TU	172314	1.438	1.438	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		118296	1.500	1.501	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		929360*	1.563	1.563	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		789957*	1.625	1.626	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		118297	1.688	1.688	0.375	.25-20	2.500	3.813	0.531	3.875	2.750
		118298*	1.750	1.751	0.375	.25-20	2.500	3.813	0.531	3.875	2.750
		926393*	1.875	1.876	0.500	.25-20	2.500	3.813	0.531	3.875	2.750
		118299*	1.938	1.938	0.500	.25-20	2.500	3.813	0.531	3.875	2.750
404-405	RU	133000	1.188	1.188	0.250	.25-20	1.750	3.406	0.406	3.125	2.406
		707806*	1.250	1.251	0.250	.25-20	1.750	3.406	0.406	3.125	2.406
		661856	1.250	1.251	0.375	.25-20	1.750	3.406	0.531	3.125	2.406
		133002	1.438	1.438	0.375	.25-20	2.125	3.406	0.531	3.125	2.406
		133003	1.500	1.501	0.375	.25-20	2.125	3.406	0.531	3.125	2.406
		766777*	1.563	1.563	0.375	.25-20	2.500	3.406	0.531	3.125	2.406
		149451	1.688	1.688	0.375	.25-20	2.500	3.406	0.531	3.125	2.406
		928124*	1.813	1.813	0.375	.25-20	2.500	3.406	0.531	3.125	2.406
		133005	-	0.751	-	-	-	3.406	-	3.125	2.406

† All marks shown within this document are properties of their respective owners.



HOLLOSHAFT®

Drive Coupling Part Numbers

Frame	Type	Part No.	Bore Size		Key	BY	BZ	XB	XD	XE	XF
			Nominal	Actual							
444-447	TU	172314	1.438	1.438	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		118296	1.500	1.501	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		929360*	1.563	1.563	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		789957*	1.625	1.626	0.375	.25-20	2.125	3.813	0.531	3.875	2.750
		118297	1.688	1.688	0.375	.25-20	2.500	3.813	0.531	3.875	2.750
		118298	1.750	1.751	0.375	.25-20	2.500	3.813	0.531	3.875	2.750
		926393*	1.875	1.876	0.500	.25-20	2.500	3.813	0.531	3.875	2.750
		118299	1.938	1.938	0.500	.25-20	2.500	3.813	0.531	3.875	2.750
H444-447	RU	945496*	1.313	1.313	0.375	.25-20	2.125	4.000	0.688	3.688	2.875
		132576	1.438	1.438	0.375	.25-20	2.125	4.000	0.688	3.688	2.875
		132577	1.500	1.501	0.375	.25-20	2.125	4.000	0.531	3.688	2.875
		132578	1.688	1.688	0.375	.25-20	2.500	4.000	0.531	3.688	2.875
		742204*	1.750	1.751	0.375	.25-20	2.500	4.000	0.531	3.688	2.875
		132579	1.938	1.938	0.500	.25-20	2.500	4.000	0.688	3.688	2.875
		934083*	2.125	2.126	0.500	.375-16	3.250	4.000	0.688	4.000	2.875
		136874	2.188	2.188	0.500	.375-16	3.250	4.000	0.688	4.000	2.875
		136875	2.250	2.251	0.500	.375-16	3.250	4.000	0.688	4.000	2.875
		131805	-	0.751	-	-	-	4.000	-	3.688	2.875
		5008	RU, RUEI	129679	1.688	1.688	0.375	.25-20	2.500	4.375	0.531
A 113288	1.938			1.938	0.500	.25-20	2.500	4.375	0.688	4.750	3.063
A 113287	2.125			2.126	0.500	.375-16	3.250	4.375	0.688	4.750	3.063
A 113289	2.188			2.188	0.500	.375-16	3.250	4.375	0.688	4.750	3.063
863877	2.250			2.251	0.500	.375-16	3.250	4.375	0.688	4.750	3.063
A 113313	2.375			2.376	0.625	.375-16	3.250	4.375	25/32	4.750	3.063
A 113290	2.438			2.438	0.625	.375-16	3.250	4.375	25/32	4.750	3.063
A 113314	2.500			2.501	0.625	.375-16	3.750	4.375	25/32	4.750	3.063
A 113285	-			0	-	-	-	4.375	-	4.750	3.063

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Kits & Accessories

Fractional & Integral Horsepower Motors



A Variety of Kits & Accessories Available for Field Conversion

Kits & Accessories are available for easy and quick field conversions of many U.S. MOTORS® brand fractional and integral stock motor products. The following pages outline our current available kits and accessories.

Refer to the description field on the Fractional Horsepower Motor (FHP) Accessories page to identify the correct kit or accessory for your stock FHP motor application.

Use the chart below to assist in identifying the correct kit or accessory for your stock Integral Horsepower motor application.

Integral Horsepower Motor Type Code Identification Chart:

Type Code	Motor Description	Phase	Efficiency
CARB†	Compact Aligning Roller Bearing		
CE	841 PLUS® Motor	Three Phase	Premium Efficient
CTE	Hostile Duty TEFC Motor	Three Phase	Premium Efficient
CTI	Hostile Duty TEFC Motor	Three Phase	Inverter Duty
FCT	Hostile Duty TEFC Motor	Three Phase	Energy Efficient
FD, FR	Open Dripproof Motor	Three Phase	Energy Efficient
DE, RE	Open Dripproof Motor	Three Phase	Premium Efficient
FUT	UNIMOUNT® TEFC Motor	Three Phase	Energy Efficient
J	TITAN® TEFC Motor		
JAD	Automotive Duty Motor	Three Phase	Energy Efficient
JCE	TITAN® TEFC Motor & CORRO-DUTY® Motor		Premium Efficient
JDE	Automotive Duty Motor	Three Phase	Premium Efficient
TCE	CORRO-DUTY® TEFC Motor	Three Phase	Premium Efficient
TCI	CORRO-DUTY® TEFC Motor	Three Phase	Inverter Duty
UT	UNIMOUNT® TEFC Motor	Three Phase	Standard Efficient
UTE	UNIMOUNT® TEFC Motor	Three Phase	Premium Efficient
UTF	UNIMOUNT® TEFC Footless Motor	Three Phase	Standard Efficient
UTNX	ACCU-Torq® Motor	Three Phase	Vector Duty

If you need assistance with available Kits & Accessories, contact your Territory Manager or Customer Service Representative.

Phone: 855-487-6686

Fax: 800-899-2887

† All marks shown within this document are properties of their respective owners.

C-Face Kits

APPLICATIONS:

Kit designed for conversion of off-the-shelf motors to accommodate a C Flange Mount.

Hostile Duty Type CTE Automotive Duty Type JDE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
140	888910	\$150	DS-3TE	4-1/2"	40
180	2002477	\$217	DS-3TE	4-1/2"	40,CTE,JDE
	2002475	\$200	DS-3TE	8-1/2"	40
210	2002518	\$275	DS-3TE	8-1/2"	40
250	649894	\$320	DS-3TE	8-1/2"	40,41
280	696574	\$383	DS-3TE	10-1/2"	41
320	2003209	\$550	DS-3TE	12-1/2"	41
360	2003135	\$750	DS-3TE	12-1/2"	41

Hostile Duty Type CTE Automotive Duty Type JDE Severe Duty Types TCE, TCI

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
400	646592	\$1,250	DS-3TE	12-1/2"	Not CE
440	427503	\$1,583	DS-3TE	16"	42
440TS	427505	\$1,583	DS-3TE	16"	Not CE

UNIMOUNT® Type UTE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
56-140	374790	\$60	DS-3TE	4-1/2"	
180	362842	\$120	DS-3TE	8-1/2"	
	362843	\$90	DS-3TE	4-1/2"	
210	365033	\$110	DS-3TE	8-1/2"	
250	365568	\$160	DS-3TE	8-1/2"	
280	370421	\$333	DS-3TE	10-1/2"	

CORRO-DUTY® & 841 PLUS® Types TCE, CTI & CE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
140	430512	\$200	DS-3TE	4-1/2"	40,Not CE
180	427672	\$242	DS-3TE	4-1/2"	40
	427670	\$242	DS-3TE	8-1/2"	40
210	425854	\$292	DS-3TE	8-1/2"	40
250	426051	\$375	DS-3TE	8-1/2"	40
280	428973	\$417	DS-3TE	10-1/2"	40
320	424742	\$583	DS-3TE	12-1/2"	
360	427416	\$783	DS-3TE	12-1/2"	
400	646592	\$1,250	DS-3TE	12-1/2"	Not CE, AP
440	427504	\$1,583	DS-3TE	16"	42,Not CE, AP
440TS	427505	\$1,583	DS-3TE	16"	Not CE, AP

841 PLUS® Type CE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
400	646591	\$1,250	DS-3TE	12-1/2"	
440	427503	\$1,583	DS-3TE	16"	42

Note 40 Non-NEMA®† "BA" Dimension
 Note 41 Pulley End Bearing Clamp Provision
 Note 42 Not Useable on Short Shaft
 Note AP Can be used for CTE, JDE

† All marks shown within this document are properties of their respective owners.



D Flange Kits

APPLICATIONS:

Kit designed for conversion of off-the-shelf motors to accommodate a D Flange Mount.

Hostile Duty Type CTE

Automotive Duty Type JDE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
140	888916	\$233	DS-3TE	9"	40
180	2002476	\$250	DS-3TE	9"	40
210	2002519	\$333	DS-3TE	9"	40
250	649896	\$467	DS-3TE	11"	40,41
280	646575	\$583	DS-3TE	11"	41
320	2003210	\$650	DS-3TE	14"	
360	2003139	\$850	DS-3TE	14"	42

UNIMOUNT® Type UTE, UTN & UTNX

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
140	369268	\$175	DS-3TE	9"	40
180	369269	\$208	DS-3TE	9"	
210	430514	\$317	DS-3TE	9"	
250	430515	\$400	DS-3TE	11"	
280	430516	\$417	DS-3TE	11"	

CORRO-DUTY® & 841 PLUS® Types TCE, CTI & CE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
180	427671	\$267	DS-3TE	9"	40
210	425855	\$342	DS-3TE	9"	40
250	426052	\$475	DS-3TE	11"	40
280	428974	\$542	DS-3TE	11"	
320	437236	\$667	DS-3TE	14"	
360	437238	\$908	DS-3TE	14"	42
400	646590	\$1,317	DS-3TE	18"	Not CE
440T	476030	\$1,658	DS-3TE	18"	42
440TS	474395	\$1,658	DS-3TE	18"	

841 PLUS® Type CE

Frame	Catalog Number	List	Discount Symbol	AK Dimension	Notes
400	646591	\$1,250	DS-3TE	12-1/2"	
440	427503	\$1,583	DS-3TE	16"	42

Note 40 Non-NEMA®† "BA" Dimension

Note 41 Pulley End Bearing Clamp Provision

Note 42 Not Useable on Short Shaft

† All marks shown within this document are properties of their respective owners.



Dripcover Kits

APPLICATIONS:

Provides protection to the motor in a vertical shaft down position.

UNIMOUNT®

Types UTE, UTF, UT, UTE4, UT1 & UT4

Frame	Catalog Number	List	Discount Symbol	Notes
56-140	362108	\$100	DS-3TE	
180	362260	\$172	DS-3TE	
210	365035	\$192	DS-3TE	
250-280	370422	\$222	DS-3TE	

Open Dripproof

Types FD, FR, DF4, DF1, FD1, FD4, D1 & D4

Frame	Catalog Number	List	Discount Symbol	Notes
140	969573	\$100	DS-3TE	
180	969574	\$172	DS-3TE	
210	969575	\$192	DS-3TE	
250	472131	\$233	DS-3TE	
280	969578	\$267	DS-3TE	
320	969579	\$300	DS-3TE	

Hostile Duty, Severe Duty & 841 PLUS®

Types CTE, CTI, TCE & CE

Frame	Catalog Number	List	Discount Symbol	Notes
140	967059	\$150	DS-3TE	44
180	967060	\$250	DS-3TE	44
210	967061	\$275	DS-3TE	44
250	967062	\$333	DS-3TE	45
280	967063	\$517	DS-3TE	
320	967064	\$700	DS-3TE	
360	967065	\$1,133	DS-3TE	
400	967066	\$1,583	DS-3TE	
440	967067	\$1,800	DS-3TE	

Fractional Horsepower Pump Motors

Frame	Catalog Number	List	Discount Symbol	Notes
48	DC48	\$42	DS-3TE	

Note 44 Requires Cast Iron Fan Cover Kit for CTE & CTI Types

Note 45 Not to be used on Foot Mounted Motor

† All marks shown within this document are properties of their respective owners.



Cast Iron Conversion Kits

APPLICATIONS:

For severe environments where all Cast Iron construction is required.

Cast Iron Conduit Box Kits Hostile Duty Types CTE & CTI

Frame	Catalog Number	List	Discount Symbol	Notes
140	885267	\$150	DS-3TE	
180	885268	\$162	DS-3TE	
210	885269	\$193	DS-3TE	
250	885270	\$212	DS-3TE	
280	895716	\$233	DS-3TE	
320	416477	\$243	DS-3TE	
360	425917	\$343	DS-3TE	
400	888949	\$343	DS-3TE	
440	888950	\$833	DS-3TE	
449	498926	\$1,375	DS-3TE	

Cast Iron Fan Cover Kits Hostile Duty Types CTE & CTI

Frame	Catalog Number	List	Discount Symbol	Notes
140	885271	\$125	DS-3TE	
180	885272	\$137	DS-3TE	
210	885273	\$212	DS-3TE	
250	885274	\$330	DS-3TE	
280	885275	\$400	DS-3TE	
320	416476	\$417	DS-3TE	
360	425916	\$755	DS-3TE	
400	888953	\$1,223	DS-3TE	
440	888954	\$1,355	DS-3TE	

Bases & Slide Rail Kits

APPLICATIONS:

Adjustable Motor Bases and Slide Rails Kits.

Adjustable Motor Base Kits

(404 – 449 frame bases have 2 adjusting screws, others have 1 screw)

Frame	Catalog Number	List	Discount Symbol	Notes
284	70911	\$200	DS-3TE	
286	70912	\$200	DS-3TE	
324	70913	\$280	DS-3TE	
326	70914	\$280	DS-3TE	
364	70915	\$492	DS-3TE	
365	70916	\$492	DS-3TE	
404	X667470	\$550	DS-3TE	
405	X667471	\$550	DS-3TE	
444	X667472	\$700	DS-3TE	
445	X667473	\$700	DS-3TE	
447	X256871	\$800	DS-3TE	
449	X263975	\$800	DS-3TE	

Slide Rail Kits

(Rail Kit includes 2 rails and hardware)

Frame	Catalog Number	List	Discount Symbol	Notes
280	179038	\$340	DS-3TE	
320	179039	\$460	DS-3TE	
360	179040	\$590	DS-3TE	
400	179112	\$1,180	DS-3TE	
440	181635	\$1,600	DS-3TE	

Brake Kits

APPLICATIONS:

For UNIMOUNT® Motors in applications requiring quick stop and/or controlled hold.

UNIMOUNT®

Types UTE, UTI, UTF & UT

Frame	Rating (FT-LB)	Voltage at 60 Hz	Catalog Number	List	Discount Symbol	Notes
56-140	1.5	230/460	964220	\$441	DS-BKT	
		575	964221	\$441	DS-BKT	
56-140	3	115/230	964226	\$510	DS-BKT	
		230/460	964223	\$510	DS-BKT	
		575	964224	\$510	DS-BKT	
56-140	6	125/250	958191	\$691	DS-BKT	
		230/460	964225	\$607	DS-BKT	
		575	964222	\$607	DS-BKT	
56-140	10	230/460	964227	\$984	DS-BKT	
180	10	125/250	964252	\$1,017	DS-BKT	
		230/460	958195	\$984	DS-BKT	
		575	958194	\$984	DS-BKT	
180	15	230/460	958193	\$1,086	DS-BKT	
		575	958192	\$1,086	DS-BKT	
210	25	230/460	364963	\$1,806	DS-BKT	46
		575	364966	\$1,806	DS-BKT	46
210	35	230/460	364964	\$2,055	DS-BKT	
		575	364967	\$2,055	DS-BKT	46

All 230/460 Volt, 60 Hz Brakes are nameplated and designed for use on 190/380 Volt, 50 Hz rated at ft-lb per above.
All 125/250 Volt, 60 Hz Brakes are suitable for 160/220 Volt, 50 Hz at ft-lb per above.

Approved mounting positions are shown in the table below by "X".

For any other positions required, contact Customer Service and state position on order. Vertical mounting is defined as 15 degrees or more from horizontal.

Brake Rating Ft-Lb	Motor & Brake Horizontal Solenoid Position - Degrees From Vertical						Motor & Brake Vertical	
	0	0	0	0	0	0	Brake High	Brake Low
1.5, 3, 6	X	X	X	X	X	X	X	X
10, 15	X	X	X	X	X	X	X	X
25, 35	X							X

A Start/Stop cycle of no more than one stop per minute is acceptable for these brakes when used in conjunction with a Motor and Reducer. Contact Customer Service when shorter cycles are required or when used with high inertia applications, overhung loads or when not used with a reducer.

Note 46 25 and 35 ft-lb for horizontal mounting only

† All marks shown within this document are properties of their respective owners.



Fan Kits

APPLICATIONS:

Most 440 frame & larger TEFC 2 Pole motors (and some TITAN® TEFC 4 pole) are standard with uni-directional fans (CCW facing opposite drive end). These fan kits are to convert the motors to clockwise rotation facing opposite drive end.

Clockwise (CW) Rotation Fan Kits for Standard 440-5800 TEFC Motors

Standard M/N	HP	Poles	Frame	Type	Current Stock Fan Direction	Fan Material	Conversion CW Fan Kit	List	Discount Symbol
ALL	125	2	444	CE	CCW	Bronze	966090	\$2,425	DS-3TE
ALL	150	2	445	CE	CCW	Bronze	441496	\$2,615	DS-3TE
ALL	200	2	447	CE	CCW	Bronze	441496	\$2,615	DS-3TE
ALL	125	2	444	CTE	CCW	Bronze	441496	\$2,615	DS-3TE
ALL	150	2	445	CTE	CCW	Bronze	441496	\$2,615	DS-3TE
ALL	200	2	447	CTE	BI-DIR	Plastic	375604	\$85	DS-3TE
ALL	125	2	444	FCT	CCW	Bronze	441496	\$2,615	DS-3TE
ALL	150	2	445	FCT	CCW	Aluminum	441494	\$915	DS-3TE
ALL	200	2	447	FCT	BI-DIR	Plastic	375604	\$85	DS-3TE
ALL	125	2	444	TCE	CCW	Bronze	441496	\$2,615	DS-3TE
ALL	150	2	445	TCE	CCW	Bronze	441496	\$2,615	DS-3TE
ALL	200	2	447	TCE	BI-DIR	Plastic	375604	\$85	DS-3TE
G360	250	2	449	J	CCW	Prop.	412700	\$1,106	DS-6S
G361	300	2	449	J	CCW	Prop.	412700	\$1,106	DS-6S
G362	350	2	449	J	CCW	Prop.	412700	\$1,106	DS-6S
G48361	300	4	5807	JCE	CCW	Sirocco	412704	\$1,664	DS-6S
G48363	350	4	5807	JCE	CCW	Sirocco	412704	\$1,664	DS-6S
G48368	400	4	5809	JCE	CCW	Sirocco	412705	\$1,862	DS-6S
G48374	450	4	5809	JCE	CCW	Sirocco	412705	\$1,862	DS-6S
G48378	500	4	5811	JCE	CCW	Sirocco	412705	\$1,862	DS-6S
G66267	150	2	449	JCE	CCW	Prop.	412701	\$1,211	DS-6S
G66269	200	2	449	JCE	CCW	Prop.	412701	\$1,211	DS-6S
G66273	250	2	449	JCE	CCW	Prop.	412701	\$1,211	DS-6S
G66274	300	2	5807	JCE	CCW	Prop.	412702	\$1,246	DS-6S
G66275	350	2	5809	JCE	CCW	Prop.	412703	\$1,281	DS-6S
G66276	400	2	5809	JCE	CCW	Prop.	412703	\$1,281	DS-6S
G66277	450	2	5809	JCE	CCW	Prop.	412703	\$1,281	DS-6S
G66280	500	2	5811	JCE	CCW	Prop.	412703	\$1,281	DS-6S

† All marks shown within this document are properties of their respective owners.



Roller Bearing Kits and Bearing Isolator/Grounding Kits

APPLICATIONS:

Roller Bearing Kits: Used on belted applications only (do not use on direct connected loads). Do not use on motors mounted vertically shaft-up or shaft-down.
Bearing Isolator/Grounding Seal Kits: Enhanced bearing isolator kits to prevent contamination and electrical damage to motor bearings.

Roller Bearing Kits For Standard TITAN® TEFC Model Numbers

All belting applications should be reviewed by Nidec Motor Corporation® prior to use of these kits.

Frame	Catalog Number	List	Discount Symbol	Notes
400	646588	\$1,250	DS-3TE	CTE,TCE,CE
440	2001456	\$1,450	DS-3TE	CTE,TCE,CE
449	447733	\$1,687	DS-6S	J, CARB [†]
449/5800	398251	\$2,212	DS-6S	J,JCE
5000	964723	\$2,282	DS-3ADE	JDE

Bearing Isolator/Grounding Seal MGS Kits by Inpro/Seal® 841 PLUS® Type CE, Drive End

Note: Not approved for Division II applications

Frame	Catalog Number	List	Discount Symbol	Notes
140T	620280	\$750	DS-3TE	
180T	620281	\$867	DS-3TE	
210T	620282	\$933	DS-3TE	
250T	620283	\$983	DS-3TE	
280T,TS	620284	\$1,033	DS-3TE	
320T,TS	620285	\$1,167	DS-3TE	
360T,TS	620286	\$1,217	DS-3TE	
400T	620287	\$1,300	DS-3TE	
400TS	620288	\$1,417	DS-3TE	
440T	620290	\$1,550	DS-3TE	
440TS	620289	\$1,550	DS-3TE	

† All marks shown within this document are properties of their respective owners.



RESCUE

There are many imitations but only one **RESCUE**.[®]



Ask for **RESCUE**, the **EASILY** installed,
PERMANENT replacement motor that
helps **YOU** save more money.

- Multi-Horsepower Rated
- All Angle Mounting
- Flex Mounting with Kit 44
- Belly Band Mounting with Kit 17
- Resilient Mount utilizing 2.5" Hub Rings
- Exclusive Rheem and Ruud Side Shell Holes
- Extended Studs
- Quiet Bearing System
- Reversible



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www.usmotors.com

Conversion & Accessories

Introduction & Pricing Guidelines



A Variety of Conversion Options Available to Maximize Stock Flexibility

When quick deliveries are required on customized motors, our expansive inventory can be customized to provide special features. Our experienced Factory Technicians specialize in stock motor modifications to offer a speedy response to customer needs.

The following pages outline current modification options performed in the Southaven, MS, Conversion Center.



Los Angeles, CA, motor conversion center is now open!

The items that are bold in the Quick Pick pages are available in both Southaven & Los Angeles.

Leadtime: Unless indicated otherwise, the normal leadtime is three working days or less depending on the availability of the motor to be converted.

Pricing: When ordering, specify the stock Catalog Numbers to be converted along with the name(s) of the conversion(s) required. When pricing, add the "List Adder" for the conversion required (see the following pages for "list adders") to the "Base List Price" of the motor to be converted. Apply the standard motor "Discount Symbol" multiplier level to the total list price.

Note that some conversion options are "Net Adders," see notations in the Quick Pick and Conversion Pricing sections of this catalog.

For Example:

C20P2B — List Price:	\$3238.00	C20P2B — List Price:	\$3238.00
Plastic Plug/Drain Added — List Adder:	\$242.00	(DS- 3CE) — Standard Multiplier:	x .50
Total List Price:	\$3480.00	Total List Price:	\$1619.00
(DS- 3CE) — Standard Multiplier:	x .50	UL ^{®†} Certificate — Net Adder:	+ \$4500.00
<hr/> Net Price of Motor & Conversion:	\$1740.00	<hr/> Net Price of Motor & Certificate:	\$6119.00

Pricing for conversion options are subject to change without notification.

Returns: Converted motors may not be returned for credit.

Freight Terms: Freight will be per the Standard Terms and Conditions, F.O.B. Point of Conversion Center.

Cancellation: Conversion orders are processed as quickly as possible. A cancellation of a conversion order may result in additional charges to cover any work performed prior to cancellation.

Exceptions: Conversions listed may not be available on all Single Phase, Cooling Tower or Hazardous Location products. Contact your Territory Manager or Customer Service Representative when considering modification on these type motors.

PHONE: 888 637 7333 FAX: 314 553 2087

† All marks shown within this document are properties of their respective owners.

Horizontal Motors (NEMA® Frames 56-449) Conversions & Accessories Quick Pick Chart

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Description	Frame											
	56	140	180	210	250	280	320	360	400	444-447	449 (DP)	
All Cast Iron Conduit Box (CTE, CTI Only)	-	153	161	193	209	234	242	346	483	636	-	
Fan Cover (CTE, CTI Only)	-	145	161	234	371	443	467	822	1369	1530	-	
Assembly Mounting (Convert To F2,W1,W2,W3,W4)	338	338	338	371	451	451	451	564	564	564	1047	
Base, Removal Of Feet (UNIMOUNT® Only)	161	161	161	161	161	161	-	-	-	-	-	
Bearings Sealed	-	174	190	203	322	322	564	564	-	-	-	
Single Shielded	-	-	-	403	483	564	-	-	-	-	-	
Roller Bearing On Drive End (J, JCE, JDE)	-	-	-	-	-	-	-	-	-	-	-	
Brakes Install Brake Kit (also add \$ of brake kit)	354	354	354	354	-	-	-	-	-	-	-	
Brake Kit: 1.5 Ft-Lb	395	395	395	-	-	-	-	-	-	-	-	
3 Ft-Lb	467	467	467	467	-	-	-	-	-	-	-	
6 Ft-Lb	548	548	548	548	-	-	-	-	-	-	-	
10 Ft-Lb	886	886	886	886	-	-	-	-	-	-	-	
15 Ft-Lb	983	983	983	983	-	-	-	-	-	-	-	
25 Ft-Lb	1627	1627	1627	1806	-	-	-	-	-	-	-	
35 Ft-Lb	-	-	1853	1853	-	-	-	-	-	-	-	
Coupling, Mount Customer Half Coupling	-	-	-	-	-	-	-	-	-	-	-	
Conduit Box Accessory Conduit Box (Non-XP Only)	-	-	548	548	548	548	548	548	548	548	548	
Rotate Conduit Box	161	161	161	161	161	161	161	161	161	161	161	
Cast Iron Conduit Box (CTE, CTI Only)	-	153	161	193	209	234	242	346	483	636	-	
Oversized Conduit Box	-	242	242	242	242	242	322	322	403	403	403	
Assemble To Motor	-	-	145	145	145	145	-	-	-	-	-	
Drains (Breather/Drains) (Cast Iron TEFC Only)	-	-	-	-	-	-	-	-	-	-	-	
Plastic Plug/Drain	185	185	185	185	242	242	242	242	242	242	-	
Stainless Steel T-Type Breather/Drain	-	-	586	586	586	586	586	586	586	586	-	
Explosionproof Drain	-	-	282	282	459	459	459	459	459	459	-	
Dripcover UNIMOUNT® (Type UTE, UTI, UTF)	145	145	161	177	209	242	-	-	-	-	-	
Open Dripproof (Type DE, DI)	-	145	161	177	209	242	274	-	-	-	-	
TEFC Cast Iron (Type CTE, CTI, CE, TCE)	-	169	282	282	282	372	372	372	677	677	-	
Division 2 Non-Listed	-	-	-	-	-	-	-	-	-	-	-	
Class I, T-Code T1-T2B	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	
Class I, T-Code T2C-T3A	371	371	371	371	371	371	467	467	644	757	757	
Class I, T-Code T3B	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	
Class I, T-Code T3C	-	371	371	371	371	371	467	467	644	757	757	
Class I & II, T-Code T1-T3C	757	757	757	757	757	757	1095	1095	1208	1418	1418	
Export Boxing	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	
Fans, Install Uni-Directional (TEFC Only)	-	-	-	-	451	451	580	580	677	677	-	
Flanges C-Face	242	242	290	330	725	1007	1087	1176	1450	1692	-	
D-Flange	403	403	419	353	1087	1208	1369	1595	2014	2900	-	
Grease, Low Temp Grease	-	137	137	145	187	208	292	313	499	688	688	
Grease Fittings	-	-	209	209	209	209	209	322	322	322	322	
Ground Lug In Conduit Box	129	129	129	129	129	129	129	129	129	129	129	
On Frame (Cast Iron Non-XP Only)	-	-	371	371	371	371	371	371	371	371	371	
Grounding, Shaft Installed AEGIS® SGR™	-	450	475	475	695	750	820	975	1050	1650	1650	
Hardware, Stainless Steel	-	-	548	548	918	918	918	1257	1257	1643	1643	
Leads Ring Type Lead Lugs	140	140	140	140	161	161	-	-	-	-	-	
Tie Back Leads	274	274	274	403	403	612	612	612	612	612	612	
Lifting Lugs	-	-	274	-	274	-	-	-	-	-	-	
Marine Duty, Below Deck	338	338	338	338	419	419	419	419	612	612	612	

(N) Net Adder
(NC) No Charge if specified at time of Motor order.

(+) Refer to Conversion Pricing Section for description.
(#) Refer to Optional Export Packing Charges Section.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors (NEMA® Frames 56-449) Conversions & Accessories Quick Pick Chart

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Description	Frame											
	56	140	180	210	250	280	320	360	400	444-447	449 (DP)	
Nameplates Additional Duplicate Nameplate	161	161	161	161	161	161	161	161	161	161	161	161
Additional Stamping On Main Nameplate	161	161	161	161	161	161	161	161	161	161	161	161
Rotation Arrow	161	161	161	161	161	161	161	161	161	161	161	161
Shipping Tag (#6 Paper Tag)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Special I.D. Plate	161	161	161	161	161	161	161	161	161	161	161	161
Re-Nameplate (Re-Rate)	161	161	161	161	161	161	161	161	161	161	161	161
Firepump Label	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Paint, Special	322	322	322	322	596	596	596	596	596	596	596	1176
Prints & Data (Submittals) (NET ADDERS)	-	-	-	-	-	-	-	-	-	-	-	-
Standard Submittals (+)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Speed Vs. Torque & Amps Curve	97	97	60	60	60	60	60	60	60	60	60	60
Speed Vs. Torque & Amps Curve (Metric)	274	274	170	170	170	170	170	170	170	170	170	170
Safe Stall Time Curve	274	274	170	170	170	170	170	170	170	170	170	170
Acceleration Time Vs. Amps Curve	274	274	170	170	170	170	170	170	170	170	170	170
Performance Curves	274	274	170	170	170	170	170	170	170	170	170	170
Performance Curves (Metric Units)	451	451	280	280	280	280	280	280	280	280	280	280
Shaft Stiffness	274	274	170	170	170	170	170	170	170	170	170	170
Torsional Analysis	274	274	170	170	170	170	170	170	170	170	170	170
Sound Power In Watts	97	97	60	60	60	60	60	60	60	60	60	60
Sound Pressure In dB @ 3 Feet	48	48	30	30	30	30	30	30	30	30	30	30
Sound Data Vs. Center Band	97	97	60	60	60	60	60	60	60	60	60	60
Customer Data Sheet	97	97	60	60	60	60	60	60	60	60	60	60
Equivalent Circuit Data	97	97	60	60	60	60	60	60	60	60	60	60
UL® Certificate	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
Certificate Of Conformance	97	97	60	60	60	60	60	60	60	60	60	60
Shaft Print	97	97	60	60	60	60	60	60	60	60	60	60
Shaft Print With Material Strength	354	354	220	220	220	220	220	220	220	220	220	220
Rotor Detail Print	451	451	280	280	280	280	280	280	280	280	280	280
Rotor Detail & Shaft Print	532	532	330	330	330	330	330	330	330	330	330	330
Current Pulsation Analysis	354	354	220	220	220	220	220	220	220	220	220	220
Bearing Life Calculation	150	150	150	150	150	150	150	150	150	150	150	150
Screens (ODP Only)	-	-	226	226	226	226	226	403	403	403	403	403
Sealant, RTV	145	145	145	193	258	258	322	322	354	354	354	354
Shaft Seals, "Inpro® Type" On Fan End (841 PLUS® Only)	-	230	230	230	230	350	350	475	475	475	-	-
Space Heater ODP or TEFC Motors	322	322	403	403	596	596	596	596	693	693	1257	-
XP Motors	-	870	870	870	1305	1305	1305	1305	1482	1482	-	-
Testing Short Commercial Test, Un-Witnessed	282	282	282	282	612	612	612	612	612	612	612	612
Complete Initial Test, Un-Witnessed	2457	2457	2457	2457	3649	3649	3649	3649	3649	3649	3649	8426
Complete Initial Test, Witnessed	8506	8506	8506	8506	13782	13782	13782	13782	13782	13782	13782	13782
Megger Test	756	756	756	756	1474	1474	1474	1474	1474	1474	1474	1474
Thermal Protection, Windings	-	-	-	-	-	-	-	-	-	-	-	-
Thermostats	209	209	209	209	564	564	564	564	564	564	564	564
Thermistors	725	725	725	725	725	725	725	725	725	725	725	725
THERMA SENTRY®	1740	1740	1740	1740	1820	1820	1820	1820	1820	1820	1820	1820
Thermocouples	209	209	209	209	419	419	419	419	419	419	419	2417
Tropicalization / High Moisture Protection	242	242	242	242	354	354	354	354	612	612	612	612
Vector Encoder / Blower With Shroud Conversion (CTI, JEI)	-	-	-	-	-	-	-	-	-	-	-	-
Blower	-	644	886	1047	1168	1450	1450	1450	2014	2658	-	-
Encoder	-	-	1450	1450	1450	1450	1450	1450	1450	1450	-	-
Encoder w/Bendix® Connector	-	1723	2415	2576	2697	2979	2979	2979	3542	4186	-	-

(N) Net Adder
(NC) No Charge if specified at time of Motor order.

(+) Refer to Conversion Pricing Section for description.
(#) Refer to Optional Export Packing Charges Section.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors (TITAN® Frames 449-5800) Conversions & Accessories Quick Pick Chart

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Description		Frame		
		449 (TE)	5000	5800
Assembly Mounting	Convert To "F2" (Type JDE, R, RS Only)	650	650	-
Bearings	Roller Bearing On Drive End (Type J, JCE, JDE Only)	1430	1430	1430
Conduit Box	Rotate 90 Degrees	100	100	100
Coupling	Mount Customer Half Coupling	1380	1380	1380
Export Boxing		(#)	(#)	(#)
Fans	Install Uni-Directional (TEFC Only)	830	-	1050
Ground Lug	In Conduit Box	300	300	300
	On Frame (Cast Iron, Non-Explosionproof Only)	300	300	300
Hazardous Location, Division 2 Non-Listed		5%	5%	5%
Marine Duty	Below Deck (Ball Bearing Motors Only)	5%	5%	5%
Nameplates	Additional Duplicate	100	100	100
	Re-Nameplate	140	140	140
	Special ID Nameplate	140	140	140
	Shipping Tag (#6 Paper Tag)	NC	NC	NC
	Firepump Label (Requires Approval)	140	-	-
Paint, Special (Requires Approval)		5%	5%	5%
Prints & Data	(Submittals) (NET ADDERS)	-	-	-
	Standard Submittals (QP)	NC	NC	NC
	Speed Vs. Torque & Amps Curve	60	60	60
	Speed Vs. Torque & Amps Curve (Metric)	170	170	170
	Safe Stall Time Curve	170	170	170
	Acceleration Time Vs. Amps Curve	170	170	170
	Performance Curves	170	170	170
	Performance Curves (Metric Units)	280	280	280
	Shaft Stiffness	170	170	170
	Torsional Analysis	170	170	170
	Sound Power In Watts	60	60	60
	Sound Pressure In dB @ 3 Feet	30	30	30
	Sound Data Vs. Center Band	60	60	60
	Customer Data Sheet	60	60	60
	Equivalent Circuit Data	60	60	60
	UL® Certificate	4500	4500	4500
	Certificate Of Conformance	60	60	60
	Shaft Print	60	60	60
	Shaft Print With Material Strength	220	220	220
	Rotor Detail Print	280	280	280
Rotor Detail & Shaft Print	330	330	330	
Current Pulsation Analysis	220	220	220	
Bearing Life Calculation	150	150	150	
Screens	(ODP Only)	-	STD	STD
Space Heater	(ODP or TEFC Motors)	1150	1150	1150
Tests	Short Commercial Test, Un-Witnessed	50 (N)	50 (N)	50 (N)
	Complete Initial Test, Un-Witnessed	2200 (N)	3400 (N)	4500 (N)
	Complete Initial Test, Witnessed	3300 (N)	5100 (N)	6750 (N)
Thermal Protection, Bearings	(Type R, RS Only)	-	-	-
	RTD's, 1/Bearing (120 Ohm or 100 Ohm)	-	2500	2500
Thermal Protection, Windings		-	-	-
	Thermostats (1/Phase)	460	460	460
	THERMA SENTRY® (SMSE)	1130	1130	1130
Vector Encoder / Blower With Shroud (Type JEI Only)		-	-	-
	Blower	2500	-	-
	Encoder	900	-	-
	Encoder w/Bendix® Connector	950	-	-

(N) Net Adder
 (NC) No Charge if specified at time of Motor order.
 (+) Refer to Conversion Pricing Section for description.
 (#) Refer to Optional Export Packing Charges Section.

† All marks shown within this document are properties of their respective owners.



Vertical Motors Conversions & Accessories Quick Pick Chart

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Description		Frame									
		180	210	250	280	320	360	400	444-447	449	5000
Bearings	Extra High Thrust (175%) (#)	-	-	-	-	5%	5%	5%	5%	5%	5%
Coupling	(Change To Alternate)	NC	NC	NC	NC	NC	NC	NC	NC		
Conduit Box	Accessory Conduit Box	901	901	901	901	901	901	901	901	901	901
	Rotate Conduit Box	235	235	235	235	235	235	235	235	235	235
	Cast Iron Conduit Box	-	-	-	-	293	469	587	704	-	-
Drains	T-Type Breather/Drain	70	70	94	94	94	117	117	117	-	-
Export Boxing	(Net Adder)	(@)	(@)	(@)	(@)	(@)	(@)	(@)	(@)	(@)	(@)
Flanges	(Change Bracket To Alternate "BD")	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Ground Lug	In Conduit Box	108	108	108	108	108	108	108	108	108	108
Leads	(Tie Back Leads)	399	587	587	892	892	892	892	892	-	-
Nameplates	Additional Duplicate Nameplate	235	235	235	235	235	235	235	235	235	235
	Additional Stamping On Main Nameplate	235	235	235	235	235	235	235	235	235	235
	Shipping Tag (#6 Paper Tag)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Special I.D. Plate	235	235	235	235	235	235	235	235	235	235
	Re-Nameplate (Re-Rate)	235	235	235	235	235	235	235	235	235	235
	Firepump Label	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Non-Reverse Ratchet		-	-	-	-	-	-	-	-	-	-
	Bolted Coupling - Add or Remove	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Clockwise Non-Reverse Ratchet	-	-	-	-	469	469	469	469	1408	1408
Oil Sump Heaters (#)		-	-	-	469	469	563	563	-	-	
Paint, Special		469	469	869	869	869	869	869	869	1714	1714
Prints & Data	(Submittals) (NET ADDERS)	-	-	-	-	-	-	-	-	-	-
	Standard Submittals	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Speed Vs. Torque & Amps Curve	60	60	60	60	60	60	60	60	60	60
	Speed Vs. Torque & Amps Curve (Metric)	170	170	170	170	170	170	170	170	170	170
	Safe Stall Time Curve	170	170	170	170	170	170	170	170	170	170
	Acceleration Time Vs. Amps Curve	170	170	170	170	170	170	170	170	170	170
	Performance Curves	170	170	170	170	170	170	170	170	170	170
	Performance Curves (Metric Units)	280	280	280	280	280	280	280	280	280	280
	Shaft Stiffness	170	170	170	170	170	170	170	170	170	170
	Torsional Analysis	170	170	170	170	170	170	170	170	170	170
	Sound Power In Watts	60	60	60	60	60	60	60	60	60	60
	Sound Pressure In dB @ 3 Feet	30	30	30	30	30	30	30	30	30	30
	Sound Data Vs. Center Band	60	60	60	60	60	60	60	60	60	60
	Customer Data Sheet	60	60	60	60	60	60	60	60	60	60
	Equivalent Circuit Data	60	60	60	60	60	60	60	60	60	60
	UL [®] Certificate	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
	Certificate Of Conformance	60	60	60	60	60	60	60	60	60	60
	Shaft Print	60	60	60	60	60	60	60	60	60	60
	Shaft Print With Material Strength	220	220	220	220	220	220	220	220	220	220
	Rotor Detail Print	280	280	280	280	280	280	280	280	280	280
	Rotor Detail & Shaft Print	330	330	330	330	330	330	330	330	330	330
Current Pulsation Analysis	220	220	220	220	220	220	220	220	220	220	
Bearing Life Calculation	155	155	155	155	155	155	155	155	155	155	
Space Heater (Double Adder For Explosionproof Motors)	477	477	512	512	596	643	643	643	1326	1326	
Steady Bushing Kit (Attached To Motor Eyebolt)	202	202	202	202	300	300	300	300	418	418	
Tests	Short Commercial Test, Un-Witnessed	662	662	662	662	662	662	662	662	662	662
	Complete Initial Test, Un-Witnessed	3580	3580	5317	5317	5317	5317	5317	5317	5317	-

(N) Net Adder
 (NC) No Charge if specified at time of Motor order.
 (+) Refer to Conversion Pricing Section for description.

(@) Refer to Optional Export Packing Charges Section.
 (#) Available only on Premium Efficient HOLLOSHAFT[®] WPI (Type RUSI and RUEI)

† All marks shown within this document are properties of their respective owners.



Vertical Motors Conversions & Accessories Quick Pick Chart

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Description	Frame									
	180	210	250	280	320	360	400	444-447	449	5000
Thermal Protection, Bearings (Upper Bracket) (#)	-	-	-	-	-	-	-	-	-	-
RTD's, 10 or 120 Ohm	-	-	-	-	1338	1338	1338	1338	1338	1338
RTD's, 100 Ohm	-	-	-	-	1338	1338	1338	1338	1338	1338
Thermal Protection, Windings	-	-	-	-	-	-	-	-	-	-
Thermostats (Double Adder For XP Motors)	265	265	265	265	418	519	519	519	519	519
Thermistors	472	472	472	472	669	669	876	876	876	876
THERMA SENTRY®	587	587	587	587	587	587	587	1150	-	-
Thermocouples	3434	3434	3434	3434	3434	3434	3434	3434	3434	3434
Vibration Detector (#) Robertshaw ^{®†} Model 366	-	-	-	-	1878	1878	1878	1878	-	-
Robertshaw ^{®†} Model 376	-	-	-	-	3286	3286	3286	3286	-	-
Water Cooling Coils (#)	-	-	-	-	352	352	423	423	-	-

(N) Net Adder
 (NC) No Charge if specified at time of Motor order.
 (+) Refer to Conversion Pricing Section for description.

(@) Refer to Optional Export Packing Charges Section.
 (#) Available only on Premium Efficient HOLLOSHAFT® WPI (Type RUSI and RUEI)

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Three Phase Modifiable NEMA^{®†} Vertical Motors Conversion & Accessories

Introduction and Pricing Guidelines

Select the base list price from the previous section.

Price adders for Accessories and Modifications that are not part of the standard product offering can be found in the following sections. Note that not all of the Accessories and Modifications are available on all product types or frame sizes. Refer to the detailed description for restrictions and guidelines of each Accessory and Modification.

All list price adders carry the same discount symbol as the base list price of the motor.

Note that some adders are net adders.

Percentage adders are percent of the base list price, unless otherwise noted.0

Refer to NMC for product lead times.

Refer to Terms & Conditions of sale on page ix.

Prices and information subject to change without notice.

Round total list price to the nearest dollar.

All prices are in U.S. dollars.

Some Accessories and Modifications will require a larger than standard frame size. All adders to be based on confirmed frame size.

Integral Horsepower Motor Type Code Identification Chart

Vertical Motors

Type Code	Motor Description	Phase	Efficiency
AU, RU, HU	WPI Vertical, HOLLOSHAFT [®]	Three Phase	Standard Efficient
AUE, RUE	WPI Vertical, HOLLOSHAFT [®]	Three Phase	Energy Efficient
AUI, RUSI, HUSI	WPI Vertical, HOLLOSHAFT [®]	Three Phase	Premium Efficient
AUR, AUC	WPI Vertical, HOLLOSHAFT [®]	Single Phase	Standard Efficient
AV, RV	WPI Vertical, Solid Shaft	Three Phase	Standard Efficient
TU	TEFC, HOLLOSHAFT [®]	Three Phase	Standard Efficient
TV	TEFC, Solid Shaft	Three Phase	Standard Efficient

† All marks shown within this document are properties of their respective owners.

Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

All Cast Iron Construction

Cast Iron Conduit Box

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	153	161	193	209	234	242	346	483	636	-	-	-	-

Replacement of steel conduit box with cast iron version.

Available on Hostile Duty Motors (Types CTE, CTI)

Cast Iron Fan Cover

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	145	161	234	371	443	467	822	1369	1530	-	-	-	-

Replacement of steel (or plastic) fan cover with cast iron version.

Available on Hostile Duty Motors (Types CTE, CTI)

Assembly Mounting

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	338	338	338	371	451	451	451	564	564	564	1047	650	650	-

Convert standard F1 Assembly to F2, W1, W2, W3 or W4 assembly. Involves repositioning output shaft to achieve proper configuration.

F1 to F2 UNIMOUNT® base must be repositioned for correct "BA" Dimension.

Not available on 180-250 frame flange mount (C or D Flange) UNIMOUNT®.

Availability:

Limited availability on 180-320 frame ODP.

56-140 Frame: Very limited availability.

Contact your NMC Technical Representative prior to quoting.

180-447 Frame: available on ODP, TEFC & Explosionproof Motors.449 Frame: available on ODP only.5000 Frame: available on type JDE, R & RS only.

Base, Removal of Feet

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	161	161	161	161	161	161	-	-	-	-	-	-	-	-

For flange mount (C or D Flange) motors, involves removal of bolt-on base.

Contact your NMC Technical Representative for availability on 56 & 140 frame

Available on UNIMOUNT® Motors 180 frame & larger.

UNIMOUNT® motors (some 56 & 140 frames have welded bases).

UTE, UTI, UT4 - welded, non-removable base.

Bearings

Sealed

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	174	190	203	322	322	564	564	-	-	-	-	-	-

Includes replacing the standard bearings with sealed bearings, and replacing the grease fittings with plugs. Most 180-360 frame motors have shielded bearings as standard.

Available on ODP, TEFC and Explosionproof enclosures.

Single Shielded

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	-	403	483	564	-	-	-	-	-	-	-	-

Includes replacing the standard bearings with single shielded bearings.

Currently only available on 210-280 frame 841 PLUS® (Type CE) motors.

Roller Bearing On Drive End

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	-	-	-	-	-	-	-	-	-	1430	1430	1430

Includes replacing the standard drive end bearing with a roller bearing.

Available on TEFC motors (Types J, JCE & JDE) only.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Brakes

Install Brake Kit (Must also add the price of the brake kit)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	354	354	354	354	-	-	-	-	-	-	-	-	-	-

Use the above adder PLUS list price of the brake kit. Refer to the Quick Pick chart, or "Kits" section for brake kits prices.

Involves removal of fan guard and adding stub shaft with brake and adaptor.

Available on UNIMOUNT® motors (Type UTE, UTI) 56-210 frame.

Coupling

Mount Customer Half Coupling

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	-	-	-	-	-	-	-	-	-	1380	1380	1380

Customer's one-piece coupling half can be factory mounted on the motor shaft. Coupling half must be finish machined and key seated to motor shaft dimensions and sent transportation prepaid and properly identified to the motor factory. Motors will be dynamically balanced prior to installing the half coupling and will not be rebalanced after coupling assembly.

Contact your NMC Technical Representative for availability and leadtime.

Conduit Boxes

Accessory Conduit Box

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	548	548	548	548	548	548	548	548	548	-	-	-

A conduit can be added to the main motor conduit box for routing of accessory leads.

Available on ODP and TEFC (not Explosionproof) ratings.

Rotate Conduit Box

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	161	161	161	161	161	161	161	161	161	161	161	100	100	100

Standard motors have lead opening facing down (toward motor feet). Includes rotating the conduit box so the lead opening is facing the desired direction. Specify direction of lead opening: Facing up (away from motor feet); Facing pulley end (shaft end); Facing short end (fan end)

Oversized Conduit Box

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	242	242	242	242	242	322	322	403	403	403	-	-	-

Includes mounting the conduit box on the motor (for motors that have the conduit box shipped loose).

Assemble To Motor

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	145	145	145	145	-	-	-	-	-	-	-	-

Includes mounting the conduit box on the motor (for motors that have the conduit box shipped loose).

Drains

Plastic Plug/Drain

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	185	185	185	185	242	242	242	242	242	242	-	-	-	-

Install plastic plug/drains in place of standard drains.

Available on 180-440 frame cast iron enclosed motors.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Drains *(continued)*

Stainless Steel T-Type Breather/Drain

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	586	586	586	586	586	586	586	586	-	-	-	-

Install stainless steel T-type breather/drains in place of standard drains.

Available on 180-440 frame cast iron enclosed motors.

Explosionproof Drain

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	282	282	459	459	459	459	459	459	-	-	-	-

Install Explosionproof (UL® listed) drains in place of standard drains.

Available on 180-440 frame cast iron enclosed motors.

Dripcover / Canopy Cap

TEFC UNIMOUNT® (Type UTE, UTI, UTF)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	145	145	161	177	209	242	-	-	-	-	-	-	-	-

Install dripcover kit for vertical shaft-down mounting.

Open Dripproof (Type DE, DI)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	145	161	177	209	242	274	-	-	-	-	-	-	-

Install dripcover kit for vertical shaft-down mounting.

TEFC Cast Iron (Type CTE, CTI, CE, TCE)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	169	282	282	282	372	372	372	677	677	-	-	-	-

Install dripcover kit for vertical shaft-down mounting.

Not available on most 320-360 frame TEFC motors.

Division 2 Non-Listed

(+) Refer To The Charts Below For Pricing

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)

The following restrictions apply:

Not available (not applicable) on Explosionproof motors

Must use energy or premium efficient motors

Class II not available on ODP motors

Temp codes T-4 to T-6 not available

Group E not available

Inverter duty limited to T1-T2B

Contact an NMC Technical Representative to confirm availability.

Class I, T-Code T1-T2B

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	5%	5%	5%

Percentage adders are percent of base list price.

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Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Division 2 Non-Listed (continued)

Class I, T-Code T2C-T3A

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	371	371	371	371	371	371	467	467	644	757	757	5%	5%	5%

Percentage adders are percent of base list price.

Class I, T-Code T3B

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	5%	5%	5%

Percentage adders are percent of base list price.

Class I, T-Code T3C

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	371	371	371	371	371	467	467	644	757	757	5%	5%	5%

Percentage adders are percent of base list price.

Class I & II, T-Code T1-T3C

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	757	757	757	757	757	757	1095	1095	1208	1418	1418	5%	5%	5%

Percentage adders are percent of base list price.

Export Boxing

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)

Product is boxed, packaged or crated as required for under deck exporting.

(#) Refer to Optional Export Packing Charges Section.

Fans, Install Uni-Directional

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	-	-	451	451	580	580	677	677	-	830	-	1050

Removal of bi-directional or uni-directional fan and replaced with uni-directional type with desired rotation.

Specify desired rotation, when viewed from opposite drive end of motor.

Available on Totally Enclosed Fan Cooled (TEFC) motors.

Flanges

C-Face

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	242	242	290	330	725	1007	1087	1176	1450	1692	-	-	-	-

Removal of standard end shield and replaced with C-Face.

Available on UNIMOUNT®, Hostile Duty, CORRO-DUTY®, Automotive Duty & 841 PLUS® motors.

Except for UNIMOUNT®, 140-250 frame will have non-NEMA® "BA" dimension.

D-Flange

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	403	403	419	353	1087	1208	1369	1595	2014	2900	-	-	-	-

Removal of standard end shield and replaced with D-Flange.

Available on UNIMOUNT®, Hostile Duty, CORRO-DUTY®, Automotive Duty & 841 PLUS® motors.

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Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Grease, Low Temp Grease

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	137	137	145	187	208	292	313	499	688	688	-	-	-

Purge and repack lubricant in end shields with Mobil[®] 28 grease, or equivalent, with temperature range of -65°F to 350°F.

Available on motors with shielded or open bearings.

Grease Fittings

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	209	209	209	209	209	322	322	322	322	-	-	-

Replace grease plugs on motors so equipped with hydraulic grease fittings on inlets and pressure reliefs on grease drains.

Not available on Explosionproof motors.

Ground Lug

In Conduit Box

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	129	129	129	129	129	129	129	129	129	129	129	300	300	300

Addition of ground lug in main motor conduit box.

On Frame

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	371	371	371	371	371	371	371	371	371	300	300	300

Addition of drilled and tapped hole on conduit box side of frame and installation of a bronze grounding screw.

Available on non-Explosionproof cast iron ratings only.

Grounding, Shaft

Installed AEGIS[®]† SGR[™]

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	450	475	475	695	750	820	975	1050	1650	1650	-	-	-

UNIMOUNT[®] and ODP - drive end only.

Not offered on Hazardous Location motors

Hardware, Stainless Steel

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	548	548	918	918	918	1257	1257	1643	1643	-	-	-

Replacement of all external hardware with grade 5 stainless steel (standard hardware is zinc plated).

Available on non-Explosionproof cast iron enclosed motors.

Leads

Ring Type Lead Lugs

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	140	140	140	140	161	161	-	-	-	-	-	-	-	-

Addition of ring type lead lugs on 56-250 frame motors.

Crimp type lead lugs are standard on all 280 frame & larger.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Leads *(continued)*

Tie Back Leads

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	274	274	274	403	403	612	612	612	612	612	612	-	-	-

Reconnect dual voltage 9-lead or 12-lead motors to 3-lead single voltage. Tie back and connect leads inside frame for single voltage 3-lead conduit box connections.

Specify desired voltage when ordering.

Available on non-Explosionproof motors.

Lifting Lugs

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	274	-	274	-	-	-	-	-	-	-	-	-

Addition of lifting lugs to motors normally not supplied with them.

Currently only available on 180 frame premium efficient ODP motors (Type DE).

Marine Duty

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	338	338	338	338	419	419	419	419	612	612	612	5%	5%	5%

Conversion of standard product to IEEE-45 below deck standards. Includes addition of screens (on ODP motors), lead terminals, high moisture winding treatment and rerate to 50°C ambient, 1.0 service factor. Motors will NOT include USCG documentation.

Not available on TITAN® sleeve bearing motors.

Nameplates

Additional Duplicate Nameplate

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	161	161	161	161	161	161	161	161	161	161	161	100	100	100

An additional duplicate nameplate for mounting on customer equipment. These additional nameplates cannot be supplied with CSA®† or UL®† logos.

Additional Stamping On Main Nameplate

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	161	161	161	161	161	161	161	161	161	161	161	-	-	-

The main motor nameplate can be stamped with limited customer tagging information (20 characters max).

Rotation Arrow

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	161	161	161	161	161	161	161	161	161	161	161	-	-	-

Metal plate mounted on motor with arrow showing direction of rotation. Customer must specify required direction of rotation:

Counter clockwise facing opposite drive end

Clockwise facing opposite drive end

Supplied as standard on motors with uni-directional fans.

Shipping Tag (#6 Paper Tag)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

A #6 paper shipping tag, with customer tagging information, can be supplied at no charge when specified at time of motor order.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Nameplates *(continued)*

Special I.D. Plate

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	161	161	161	161	161	161	161	161	161	161	161	140	140	140

Special identification plates can be mounted on the motor with limited customer specified tagging information (100 characters max).

Re-Nameplate (Re-Rate)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	161	161	161	161	161	161	161	161	161	161	161	140	140	140

Motors can be re-nameplated (after approval) for alternate ratings. Changes in horsepower, altitude, ambient, voltage, frequency, etc.

Contact an NMC Technical Representative for approval prior to quoting.

Firepump Label

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	140	-	-

Percentage adders are percent of base list price. UL[®] Listed (File E187977) firepump motors are designed per UL-1004A[®] and meet the NFPA-20[®] "Standard for the Installation of Centrifugal Fire Pump Spec". This conversion is to add the firepump label.

Contact your NMC Technical Representative with exact rating to confirm that it meets the firepump requirements.

Paint, Special

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	322	322	322	322	596	596	596	596	596	596	1176	5%	5%	5%

Percentage adders are percent of base list price.

Special paint must be approved by the Conversion Center/Plant prior to quoting. A Material Safety Data Sheet (MSDS) must be sent to the Conversion Center/Plant for their review.

A special paint can be furnished (once approved) if compatible with our standard paint/primer, is commercially available, and suitable for air drying (paints containing lead or zinc cannot be used, and sand blasting is not available).

Prints & Data (Submittals)

(Net Adders)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)

Submittals adders are NET ADDERS. (QP) refer to Vertical motors quick pick chart.

The following submittals are considered standard submittals, and are available at no charge if requested at time of motor order:

- Certified Dimension Print
- Performance Data
- Nameplate Data
- Instruction Manual
- Wiring Diagram
- Parts List
- Recommended Spare Parts
- Bearing Life Calculation
- Conduit Box Details
- Paint Specification
- Rotor Air Gap (Calculated)
- Rotor Inertia
- Cut Sheets For Accessories

Screens

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	226	226	226	226	226	403	403	403	403	-	STD	STD

Addition of rodent screens to ventilation openings on Open Dripproof motors.

Sealant, RTV

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	145	145	145	193	258	258	322	322	354	354	354	-	-	-

Silicon sealant applied to registers between the end bracket and frame and/or under bolt heads to prevent contaminants from entering the motor.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Shaft Seals, Inpro^{®†} Type

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	230	230	230	230	350	350	475	475	475	-	-	-	-

Inpro^{®†} seal is standard on the shaft end of 841 PLUS[®] motors.

Space Heaters

ODP or TEFC Motors

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	322	322	403	403	596	596	596	596	693	693	1257	1150	1150	1150

XP Motors

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	870	870	870	1305	1305	1305	1305	1482	1482	-	-	-	-

Space heaters are installed to prevent moisture condensation in the motor during times the motor is not running. NMC uses silicon rubber strip-type heaters manufactured by sandwiching a resistance wire network between two pieces of high-temperature silicon rubber and bonding the pieces together. Heaters are sized to provide approximately 10°C temperature rise above the ambient temperature.

Heaters are placed on the end turns of the motor winding. Heaters are of the low density type, which yields low surface temperature and long life. Heaters are single phase, rated 60 or 50 Hertz.

Space Heaters are available in the following voltages:

115, 230, 460 & 575 Volt

230 Volt operated at 115 Volt

Testing

Short Commercial Test, Un-Witnessed

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	282	282	282	282	612	612	612	612	612	612	612	50 (N)	50 (N)	50 (N)

(N) = NET ADDER

A Short Commercial Test, per NEMA^{®†} MG-1 Part 12, consists of no load current, locked rotor current (performed at reduced voltage, typically 25-50%), winding resistance, high potential, and bearing inspection. A test report is provided to the customer.

Complete Initial Test, Un-Witnessed

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	282	282	282	282	612	612	612	612	612	612	612	50 (N)	50 (N)	50 (N)

(N) = NET ADDER

A Complete Initial Test consists of full load heat run, percent slip, no load current, full load current, locked rotor current, locked rotor torque, breakdown torque (calculated), efficiency & power factor at 100%, 75% & 50% full load, winding resistance, high potential, and bearing inspection. This test is performed in accordance with IEEE 112 Method B. A test report is provided to the customer. Motor will be shipped to an NMC facility with a calibrated lab for testing and will require additional leadtime.

Contact an NMC Technical Representative for availability and leadtime.

Complete Initial Test, Witnessed

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	8506	8506	8506	8506	13782	13782	13782	13782	13782	13782	13782	3300 (N)	5100 (N)	6750 (N)

(N) = NET ADDER

A Complete Initial Test, as described above, performed in the presence of a Witness. Motor will be shipped to an NMC facility with a calibrated lab for testing and will require additional leadtime. Scheduling must be coordinated with the test facility.

Contact an NMC Technical Representative for availability and leadtime.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Testing *(continued)*

Megger Test

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	756	756	756	756	1474	1474	1474	1474	1474	1474	1474	-	-	-

Thermal Protection, Windings

Thermostats

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	209	209	209	209	564	564	564	564	564	564	564	460	460	460

Thermostats: Snap action, bi-metallic, temperature actuated switches installed on the end-turns of the motor winding. Their purpose is to activate a warning device or shut down the motor upon excessive winding temperatures. Standard arrangement is addition of 2 or 3 thermostats to the winding end-turns, connected in series with the leads brought out to the main motor conduit box.

The following options are available:

TW01 Thermostats, normally closed

TW02 Thermostats, normally open

TW06 Thermostats, normally closed, hermetically sealed

Thermistors

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	725	725	725	725	725	725	725	725	725	725	725	-	-	-

Thermistors: Non-linear resistance temperature detector made from semi-conductor material. Standard arrangement is Q-3 positive temperature coefficient (PTC) type on winding end-turns with leads brought out to the main motor conduit box.

Available on non-Explosionproof motors.

The following options are available:

TW10 Thermistors (PTC Type), Texas Instruments®, 6 leads out

THERMA SENTRY®

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	1740	1740	1740	1740	1820	1820	1820	1820	1820	1820	1820	1130	1130	1130

THERMA SENTRY®: Complete protection system consisting of three thermistors and a solid state control module (shipped loose for customer mounting). It will protect the motor for locked rotor, starting overload, running overload, abnormally high ambient temperatures, voltage unbalance, high or low voltages, ventilation failure, and single phasing.

Available on non-Explosionproof motors.

The following options are available:

TW20 THERMA SENTRY®, 115/230V, SMSE, normally closed contact

(SMSE = separately mounted, separately excited control module)

Thermocouples

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	209	209	209	209	419	419	419	419	419	419	2417	-	-	-

Thermocouples: A pair of dissimilar conductors so joined at one point that an electromotive force is developed by the thermoelectric effects. Standard arrangement is addition of thermocouples to the winding end-turns with leads brought out to the main motor conduit box.

Available on non-Explosionproof motors.

The following options are available:

TW32 Thermocouples, Iron Constantan (Type J)

Tropicalization / High Moisture Protection

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	242	242	242	242	354	354	354	354	612	612	612	-	-	-

Winding coated with Dolph® polyurethane for superior protection in high moisture environments.

† All marks shown within this document are properties of their respective owners.



Horizontal Motors Conversions & Accessories Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Vector Encoder / Blower With Shroud Conversion

Blower

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	644	886	1047	1168	1450	1450	1450	2014	2658	-	2500	-	-

To convert a Hostile Duty inverter duty motor (Type CTI or JEI) to include a blower.

Encoder

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	-	1450	1450	1450	1450	1450	1450	1450	1450	-	900	-	-

To convert a Hostile Duty inverter duty motor (Type CTI or JEI) to include an encoder. Specify 1024 PPR or 2048 PPR on the order.

Encoder w/Bendix^{®†} Connector

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	-	1723	2415	2576	2697	2979	2979	2979	3542	4186	-	950	-	-

To convert a Hostile Duty inverter duty motor (Type CTI or JEI) to include an encoder with a 10-Pin Bendix^{®†} connector, in place of the standard 9-pin Sub-D Connector. Specify Bendix^{®†} (Code-X) 10-pin connector on the order.

† All marks shown within this document are properties of their respective owners.

Integral Horsepower Motor Type Code Identification Chart Horizontal Motors

Type Code	Motor Description	Phase	Efficiency
CE	841 PLUS®	Three Phase	Premium Efficient
CTE	Hostile Duty TEFC	Three Phase	Premium Efficient
CTI	Hostile Duty TEFC	Three Phase	Inverter Duty
FCT	Hostile Duty TEFC	Three Phase	Energy Efficient
DE, RE	Open Dripproof	Three Phase	Premium Efficient
FUT	UNIMOUNT® TEFC	Three Phase	Energy Efficient
JDE	Automotive Duty	Three Phase	Energy Efficient
TCE	CORRO-DUTY® TEFC	Three Phase	Premium Efficient
TCI	CORRO-DUTY® TEFC	Three Phase	Inverter Duty
UT	UNIMOUNT® TEFC	Three Phase	Standard Efficient
UTE	UNIMOUNT® TEFC	Three Phase	Premium Efficient
UTF	UNIMOUNT® TEFC, Footless	Three Phase	Standard Efficient



Vertical Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Bearings

Extra High Thrust (175%)

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	5%	5%	5%	5%	5%	5%

Available only on Premium Efficient Vertical HOLLOSHAFT® WPI (Type RUSI & HUSI).

Coupling

Change to Alternate Coupling Size

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Standard drive coupling can be changed to an alternate size at no charge, if specified at time of motor order.

Conduit Boxes

Accessory Conduit Box

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	901	901	901	901	901	901	901	901	901	901

A conduit can be added to the main motor conduit box for routing of accessory leads.

Available on WPI and TEFC (not Explosionproof) ratings.

Rotate Conduit Box

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	235	235	235	235	235	235	235	235	235	235

Standard conduit box has lead opening facing down. This conversion includes rotating the conduit box so the lead opening is facing the desired direction.

Specify direction of lead opening: Facing up; Facing left (when facing the conduit box); Facing right (when facing the conduit box)

Available at no charge if specified at time of motor order.

Cast Iron Conduit Box

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	293	469	587	704	-	-

Replacement of steel conduit box with cast iron version.

Available on HOLLOSHAFT® & high thrust Solid Shaft, 320 frame and larger, non-Explosionproof motors (cast iron conduit box standard on XP).

Drains (Breather/Drains)

T-Type Breather/Drain

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	70	70	94	94	94	117	117	117	-	-

Install T-Type breather/drains in place of standard drains.

Available on 180-447 frame cast iron enclosed motors.

Export Boxing

T-Type Breather/Drain

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	(@)	(@)	(@)	(@)	(@)	(@)	(@)	(@)	(@)	(@)

Product is boxed, packaged or crated as required for under deck exporting.

(@) Refer to Optional Export Packing Charges Section.

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Vertical Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Flanges

Change P-Base Bracket to Alternate "BD" Dimension

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Replace standard "P" base bracket with one of different "BD" dimension.

Available at no charge if specified at time of motor order.

Ground Lug

In Conduit Box

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	108	108	108	108	108	108	108	108	108	108

Addition of ground lug in main motor conduit box.

Leads

Tie Back Leads

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	399	587	587	892	892	892	892	892	-	-

Reconnect dual voltage 9-lead or 12-lead motors to 3-lead single voltage. Tie back and connect leads inside frame for single voltage 3-lead conduit box connections.

Specify desired voltage when ordering.

Available on non-Explosionproof motors.

Nameplates

Additional Duplicate Nameplate

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	399	587	587	892	892	892	892	892	-	-

An additional duplicate nameplate for mounting on customer equipment. These additional nameplates cannot be supplied with CSA^{®†} or UL^{®†} logos.

Additional Stamping On Main Nameplate

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	235	235	235	235	235	235	235	235	235	235

The main motor nameplate can be stamped with limited customer tagging information (20 characters max).

Shipping Tag (#6 Paper Tag)

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

A #6 paper shipping tag, with customer tagging information, can be supplied at no charge when specified at time of motor order.

Special I.D. Plate

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	235	235	235	235	235	235	235	235	235	235

Special identification plates can be mounted on the motor with limited customer specified tagging information (100 characters max).

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Vertical Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Nameplates *(continued)*

Re-Nameplate (Re-Rate)

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	235	235	235	235	235	235	235	235	235	235

Motors can be re-nameplated (after approval) for alternate ratings. Changes in horsepower, altitude, ambient, voltage, frequency, etc. Contact an NMC Technical Representative for approval prior to quoting.

Firepump Label

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%

Percentage adders are percent of base list price. UL[®] Listed (File E187977) firepump motors are designed per UL-1004A[®] and meet the NFPA-20[®] "Standard for the Installation of Centrifugal Fire Pump Spec". This conversion is to add the firepump label.

Contact your NMC Technical Representative with exact rating to confirm that it meets the firepump requirements.

Non-Reverse Ratchet

Bolted Coupling - Add or Remove

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Remove non-reverse ratchet (NRR) and convert motor to self-release coupling (SRC) or bolted coupling.

Available at no charge if specified at time of motor order.

Clockwise Non-Reverse Ratchet

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%

Remove non-reverse ratchet (NRR) and (Counter Clockwise Rotation) and replace with a Clockwise Rotation (when looking down on the motor) non-reverse ratchet.

Available only on Premium Efficient Vertical HOLLOSHAFT[®] WPI (Type RUSI & HUSI)

Oil Sump Heaters

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	469	469	563	563	-	-

Oil Sump Heaters are recommended for applications where the ambient temperature is consistently below -5°C (23°F) and required where the ambient is consistently below -15°C (5°F). Standard unit is 115 Volt single phase.

Available only on Premium Efficient Vertical HOLLOSHAFT[®] WPI (Type RUSI)

Paint, Special

Special Paint

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	469	469	869	869	869	869	869	869	1714	1714

Special paint must be approved by the Conversion Center/Plant prior to quoting. A Material Safety Data Sheet (MSDS) must be sent to the Conversion Center/Plant for their review.

A special paint can be furnished (once approved) if compatible with our standard paint/primer, is commercially available, and suitable for air drying (paints containing lead or zinc cannot be used, and sand blasting is not available).

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Vertical Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Prints & Data (Submittals)

(Net Adders)

Frame:	56	140	180	210	250	280	320	360	400	444-447	449(DP)	449(TE)	5000	5800
Adder:	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)	(QP)

Submittals adders are NET ADDERS. (QP) refer to Vertical motors quick pick chart.

The following submittals are considered standard submittals, and are available at no charge if requested at time of motor order:

- Certified Dimension Print
- Performance Data
- Nameplate Data
- Instruction Manual
- Wiring Diagram
- Parts List
- Recommended Spare Parts
- Bearing Life Calculation
- Conduit Box Details
- Paint Specification
- Rotor Air Gap (Calculated)
- Rotor Inertia
- Cut Sheets For Accessories

Space Heaters

(Double Adder for Explosionproof Motors)

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	477	477	512	512	596	643	643	643	1326	1326

Space heaters are installed to prevent moisture condensation in the motor during times the motor is not running. NMC uses silicon rubber strip-type heaters manufactured by sandwiching a resistance wire network between two pieces of high-temperature silicon rubber and bonding the pieces together. Heaters are sized to provide approximately 10°C temperature rise above the ambient temperature.

Heaters are placed on the end turns of the motor winding. Heaters are of the low density type, which yields low surface temperature and long life. Heaters are single phase, rated 60 or 50 Hertz.

Space Heaters are available in the following voltages:

115, 230, 460 & 575 Volt
230 Volt operated at 115 Volt

Steady Bushing Kit

(Attached To Motor Eyebolt)

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	202	202	202	202	300	300	300	300	418	418

Steady bushing comes as a field-installable kit, and is shipped attached to the motor eyebolt.

Tests

Short Commercial Test, Un-Witnessed

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	662	662	662	662	662	662	662	662	662	662

All test adders are NET ADDERS

A Short Commercial Test, per NEMA[®] MG-1 Part 12, consists of no load current, locked rotor current (performed at reduced voltage, typically 25-50%), winding resistance, high potential, and bearing inspection. A test report is provided to the customer.

Complete Initial Test, Un-Witnessed

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	3580	3580	5317	5317	5317	5317	5317	5317	5317	-

All test adders are NET ADDERS

A Complete Initial Test consists of full load heat run, percent slip, no load current, full load current, locked rotor current, locked rotor torque, breakdown torque (calculated), efficiency & power factor at 100%, 75% & 50% full load, winding resistance, high potential, and bearing inspection. This test is performed in accordance with IEEE 112 Method B. A test report is provided to the customer. Motor will be shipped to an NMC facility with a calibrated lab for testing and will require additional leadtime.

Contact an NMC Technical Representative for availability and leadtime.

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Vertical Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Thermal Protection, Bearings (Upper Bracket)

Resistance Temperature Detectors (RTD's), 10 or 120 Ohm

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	1338	1338	1338	1338	1338	1338

Resistance Temperature Detector (RTD): Precision, wire-wound resistors with a known temperature-resistance characteristic. NMC does not furnish the monitor.

Available only on Premium Efficient Vertical HOLLOSHAFT® WPI (Type RUSI & HUSI). Available on Upper Bracket Only.

The following options are available:

TB40 10 Ohm, 3 lead

TB41 120 Ohm, 2 lead

TB42 100 Ohm, 3 lead

Resistance Temperature Detectors (RTD's), 100 Ohm

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	1338	1338	1338	1338	1338	1338

Resistance Temperature Detector (RTD): Precision, wire-wound resistors with a known temperature-resistance characteristic. NMC does not furnish the monitor.

Available only on Premium Efficient Vertical HOLLOSHAFT® WPI (Type RUSI & HUSI). Available on Upper Bracket Only.

The following option is available:

TB42 100 Ohm, 3 Lead

Thermal Protection, Windings

Thermostats (Double Adder for Explosionproof Motors)

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	265	265	265	265	418	519	519	519	519	519

Thermostats: Snap action, bi-metallic, temperature actuated switches installed on the end-turns of the motor winding. Their purpose is to activate a warning device or shut down the motor upon excessive winding temperatures. Standard arrangement is addition of 2 or 3 thermostats to the winding end-turns, connected in series with the leads brought out to the main motor conduit box.

The following options are available:

TW01 Thermostats, normally closed

TW02 Thermostats, normally open

TW06 Thermostats, normally closed, hermetically sealed

Thermistors

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	472	472	472	472	669	669	876	876	876	876

Thermistors: Non-linear resistance temperature detector made from semi-conductor material. Standard arrangement is Q-3 positive temperature coefficient (PTC) type on winding end-turns with leads brought out to the main motor conduit box.

Available on non-Explosionproof motors.

The following options are available:

TW10 Thermistors (PTC Type), Texas Instruments®, 6 leads out

THERMA SENTRY®

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	587	587	587	587	587	587	587	1150	-	-

THERMA SENTRY®: Complete protection system consisting of three thermistors and a solid state control module (shipped loose for customer mounting). It will protect the motor for locked rotor, starting overload, running overload, abnormally high ambient temperatures, voltage unbalance, high or low voltages, ventilation failure, and single phasing.

Available on non-Explosionproof motors.

The following options are available:

TW20 THERMA SENTRY®, 115/230V, SMSE, normally closed contact

(SMSE = separately mounted, separately excited control module)



Vertical Motors Conversions & Accessories

Descriptions & Adders

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

Thermal Protection, Windings *(continued)*

Thermocouples

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	3434	3434	3434	3434	3434	3434	3434	3434	3434	3434

Thermocouples: A pair of dissimilar conductors so joined at one point that an electromotive force is developed by the thermoelectric effects. Standard arrangement is addition of thermocouples to the winding end-turns with leads brought out to the main motor conduit box.

Available on non-Explosionproof motors.

The following options are available:

TW32 Thermocouples, Iron Constantan (Type J)

Vibration Detector

Robertshaw^{®†}, Model 366

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	1878	1878	1878	1878	-	-

Available only on Premium Efficient Vertical HOLLOSHAFT[®] WPI (Type RUSI).

Robertshaw^{®†}, Model 376

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	3286	3286	3286	3286	-	-

Available only on Premium Efficient Vertical HOLLOSHAFT[®] WPI (Type RUSI).

Water Cooling Coils

Robertshaw^{®†}, Model 366

Frame:	180	210	250	280	320	360	400	444-447	449	5000
Adder:	-	-	-	-	352	352	423	423	-	-

Available only on Premium Efficient Vertical HOLLOSHAFT[®] WPI (Type RUSI).

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Optional Export Packing Charges (Export Boxing)

NMC can provide export packaging at our international warehouse in Southaven, MS. Material used is 2" X 4" for framing, and 1/2" plywood for walls when export boxed. The conduit box is removed and placed in the box with the motor. Shipping marks are stenciled to the outside of the box.

The following net adders and lead times are to be used for this option:

NEMA^{®†} Frame Sizes

Horizontal Motors			Vertical Motors			Lead Time (Weeks)
Frame Size	Crating	Export Box	Frame Size	Crating	Export Box	
140	\$42	\$70	140	\$42	\$84	1
180	\$42	\$84	180	\$42	\$84	1
210	\$49	\$91	210	\$50	\$84	1
250	\$59	\$105	250	\$59	\$84	1
280	\$59	\$105	280	\$59	\$98	1
320	\$84	\$154	320	\$84	\$129	1
360	\$91	\$175	360	\$119	\$168	1
400	\$140	\$280	400	\$189	\$238	2
444-445	\$224	\$350	444-445	\$266	\$357	2
447-449	\$364	\$469	447-449	\$357	\$616	2

TITAN[®] Frame Sizes (Export box only for horizontal and vertical motors)

Frame Size	Net Adder	Lead Time (Weeks)
5000	\$1,176	2
5800	\$1,414	2
6800	\$2,114	2
8000	\$4,312	2
9600	\$6,076	2

Container Loading (Including stacking and bracing)

20 foot container	\$1,250 Net
40 foot container	\$2,000 Net

Replacement Parts

Standard export packing in wooden boxes 5% net value (minimum \$77 per box)

Storage

Long term storage – refer to NMC

First 30 days free – additional storage at \$.80/100 lbs. for 30 days or each fraction thereof.

All above charges are subject to change without notice.

† All marks shown within this document are properties of their respective owners.

Product Specification Guide

Standard Stock or Mod-Center Three Phase Motor Features

	Dripproof (ODP)				Totally Enclosed Fan Cooled (TEFC)				
Type	FD	FR	DE, DI	RE, RI	FUT/FUTF	FCT	UTE/UTI	CTE	CTI-v(a)/CTI-C(a)
HP Range	1-60	30-400	1-60	30-250	1-30	1-200	1-30/1-20	1-200	1-200/1-150
Frame Range	143-320	360-449	143-320	360-449	56-A286	143-447	143-256	143-447	143-447
Frame Material	Steel	Cast Iron	Steel	Cast Iron	Alum. (1)	Cast Iron (1)	Alum. (1)	Cast Iron (1)	Cast Iron (1)
End Shield Material	140-250 Al 280-320 Cl	Cast Iron	140-250 Al 280-320 Cl	Cast Iron	Alum.	Cast Iron	Alum.	Cast Iron	Cast Iron
Fan Cover Material	NA	NA	NA	NA	Plastic	Steel	Plastic	Steel	Steel
Conduit Box Material	Steel	Steel	Steel	Steel	Steel (2)	Steel	Steel (2)	Steel	Steel
Hardware	Grade 5 (15)	Grade 5 (15)	Grade 5 (15)	Grade 5 (15)	Std	Grade 5 (15)	Std	Grade 5 (15)	Grade 5 (15)
Mounting	Welded Base	Cast Iron	Welded Base	Cast	Bolted Base/ Footless	Cast 180-440	Bolted Base/ Footless	Cast 180-440	Cast 180-440
C-Face Available	No	No	No	No	Kits (6)/ Std	Kits Thru 440 (5)	Kits (6)/ Std	Kits Thru 440 (5)	Kits 140-440
D-Flange	No	No	No	No	Kits 140-180 (6)	Kits 140-180 (6)	Kits 140-180 (6)	Kits 140-360 (5)	Kits 180-360
Brakes	No	No	No	No	Kits Thru 210	No	Kits Thru 210	No	No
Grounding	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box

	Severe Duty	IEEE-841	Hazardous Location		Vector Duty	Automotive Duty	Washdown Duty	Brake Motors	IEC	TEAO
Type	TCE	CE	FL/LF/LE	FLC/LCE	CTNX/CTX	JDEF	FWEN/FWEF/FWER	BRST/BRCO	MMLS	UTN
HP Range	1-200	1-200	1/2-150 1/3-15	1-100	1-10 1-200	1-100 1-100 1/4-300	1-10	1/3-2 1/3-20	1.5-200	1-15
Frame Range	143-447	143-447	56-445 56-256	143-444	143-256 143-447	180-447 180-445 56-5008	143-215	56-145 56-256	80-315	143-254
Frame Material	Cast Iron (1)	Cast Iron	Cast Iron (1)	Cast Iron (1)	Cast Iron (1)	Cast Iron (1)	Steel	Alum.	Alum.	Alum. (1)
End Shield Material	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	DE-Cast Iron ODE-Alum.	Alum.	Alum.	Alum.
Fan Cover Material	Cast Iron	Cast Iron	Steel	Cast Iron	NA/ Steel	Steel	Steel	Steel	Steel	NA
Conduit Box Material	Cast Iron	Cast Iron	Cast Iron (3)	Cast Iron (3)	Steel	Steel	Steel	Alum.	Alum.	Steel (2)
Hardware	Grade 5 (15)	Grade 5 (15)	Grade 5 (15)	Grade 5 (15)	Std	Grade 5 (15)	Stainless Steel	Std	Std	Std
Mounting	Cast 180-440	Cast 180-440	Cast 180-440	Cast 180-440	Cast 180-440	Cast 180-5008	Welded Base	Cast (17)	Cast (17)	Bolted Base
C-Face Available	Kits 140-440	Kits 140-440	Yes	No	No	Kits Thru 360	No/Yes/Yes	Yes	Kits 80-132	Kits (6)
D-Flange	Kits 180-360	Kits 180-360	No	No	No	Kits Thru 440	No	No	NA	Kits 140-180 (6)
Brakes	No	No	No	No	No	Kits 140-360	No	Std	No	Kits Thru 210
Grounding	Lug in C/Box	C/Box & External	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box	Stud in C/Box	Terminal Block	Terminal Block	Stud in C/Box

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Product Specification Guide

Standard Stock or Mod-Center Three Phase Motor Features

	Driproof (ODP)				Totally Enclosed Fan Cooled (TEFC)			
		C-Face	Split Phase	STD Crop Dryer			C-Face	
Type	SOR / SORM / SOC	SOF	SSOC	DM/DMA	SER, SM	SEFM	SEF	SEFM
HP Range	1/4-1.5 / 1/4-1.5 / 1/4-1	1/4-1.5	1/4-1/3	1-10/5-12	1/4-10	1/3-1	1/4-2	1/4-1
Frame Range	48-56	56	48/56	143-215	48-215	48-56	56-145	56-145
Frame Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
End Shield Material	Alum.	Alum.	Alum.	Alum.	Alum.	Alum.	Alum.	Alum.
Fan Cover Material	NA	NA	NA	NA	Steel	Steel	Steel	Steel
Conduit Box Material	NA	Steel	NA	Steel	Steel	Steel	Steel	Steel
Mounting	Welded	C-Face Round	Resilient	Welded	Bolt-on (2)	Bolt-on (2)	C-Face Round	C-Face Round
Service Factor	1.25+(3)	1.15+	1.35	1.15/ Special	1.15 (3)	1.00 (3)	1.15	1.15
Insulation Class	B	B	B	B	B	B	B	B
Thermal Protection	None/Manual/ Auto	None	Auto	None/ Thermostat	None	Manual	None	Manual
Shaft Slinger	No	No	No	No	No	No	No	No
Bearing Type	Sealed	Sealed	Sleeve	Double Shielded	Sealed C/Box	Sealed C/Box	Sealed C/Box	Sealed C/Box
Page	160	164	158	220	165	165	167	167

	Agri Duty	Agri Duty Ultra Torque		Aeration Fan	Hazardous Location	Jet Pump	Close Coupled Pump	Washdown Duty
Type	SMA	TMA	TMQ	SN	SLR, SLF	SOJ	UTM	SEFM
HP Range	1/3-1	1.5-10	1-10	3/4-1	1/4-1	1/3-1.5	3-10	1/4-1
Frame Range	56	143-215	143-215	56	56	56	184-215	56-145
Frame Material	Steel	Steel	Alum.	Steel	Steel	Steel	Alum.	Steel
End Shield Material	Alum.	Alum.	Alum.	Alum.	Alum.	Alum.	Alum.	Alum.
Fan Cover Material	Steel	Steel	Plastic	NA	Steel	Plastic	Plastic	Steel
Conduit Box Material	Alum.	Alum. (1)	Alum. (1)	NA	NA	Steel	Alum.	Steel
Mounting	Welded	Welded	Bolt-on	Welded	Welded/C-Face	C-Face Round	Bolt-on	C-Face Footed
Service Factor	1.15	1.00	1.15	1.00	1.20+	1.20+	1.15	1.15
Insulation Class	B	F	F	B	B	B	F	F with B Rise
Thermal Protection	Manual	Manual	Manual	Auto	Auto	Auto		
Shaft Slinger	Yes	Yes	Yes	No	No	No	Yes	Yes
Bearing Type	Sealed/ Shielded	Sealed	Shielded	Sealed	Sealed	Sealed	Double Shielded	Double Sealed
Page	223	219	218	220	110	280	253	216

(a) CTI-V is 10:1 Variable Torque, CTI-C is 10:1 Constant Torque Inverter Duty

(b) JAD, JADF & JDE are 65°C Alternate Ambient at 1.0SF

(c) CTI-C and CTNX are NEMA® Design 'A'

(d) 50/60 Hz on 230/460 volt & 460 volt only, 60 Hz on 200 & 575 volt

(1) 56 and 140 Frame is Rolled Steel

(2) Aluminum on 250 and A280 Frame

(3) 56 Frame is Steel

(4) "Inverter Grade" Insulation Meets NEMA® MG1, Part 31

(5) 140-250 Frame 'BA' dimension is non-NEMA®†

(6) 56 and 140 Frame 'BA' Dimension is non-NEMA®†

(7) 'B' rise on 60Hz only

(8) 'B' rise @ 1.0 SF on Sine Wave Power only

(9) Sealed on 56 and 140 Frame

(10) 1.0 SF on Inverter Power

(11) 360 Frame is Double Shielded

(12) Open

(13) Open Bearing 400-440 Frame

(14) Double Shielded 140 Frame

(15) Zinc Plated

(16) Sealed to 132, Semi-protected 160-200,

Open 225 and Above

(17) 200 & 225 Bolt-on Base

† All marks shown within this document are properties of their respective owners.



Customer Service

Quick. Accurate. Responsive.

Satisfaction

Our distribution centers are a vital link in our global supply chain providing:

- Dedicated customer service professionals on call Monday through Friday, 7 a.m. to 7 p.m. CST
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- Expert factory technicians facilitate quick stock conversions
- Improved delivery response and accuracy
- State-of-the-art business operating systems enable staff to address urgent requests quickly.
- Our customer service centers are certified by: UL®, CSA® and ISO® 9001-2000

Customer Service Center Locations:

- Middleton, Pennsylvania
- Southaven, Mississippi
- Chino, California
- Naperville, Illinois
- Markham, Ontario



Helpful. Accessible. Reliable.

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Customer Service Hours:

- 7:00 a.m. to 7:00 p.m. CST
- Monday through Friday
- Toll-free 888-637-7333

After Hours Emergency Line for Stock Motor Sales*

- Seven days a week
- 24 hours per day
- 901-541-6057

For additional details, please contact your Customer Service Representative or Territory Manager.

*Fee Based Service

Our customer service professionals provide speed, accuracy and responsiveness to your questions.

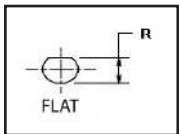
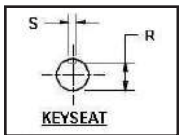
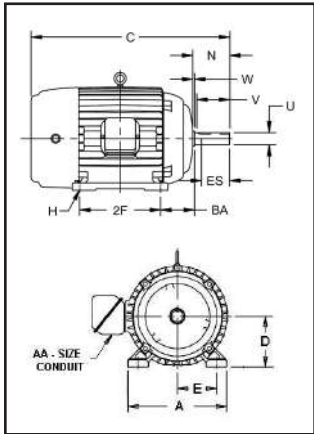
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NEMA^{®†} Dimension Guide

Dimensions for AC Foot-Mounted Motors with Single Straight-Shaft Extension



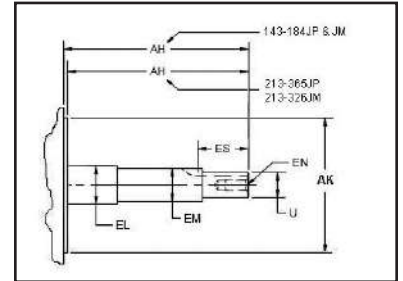
Frame	A Max	D	E	2F	BA	H	U	N-W	V Min.	R	Keyseat ES Min.	S	AA Min.
42	—	2.62	1.75	1.69	2.06	0.28 slot	0.375	1.12	—	0.328	—	flat	—
48	—	3.00	2.12	2.75	2.50	0.34 slot	0.500	1.50	—	0.453	—	flat	—
48H	—	—	—	4.75	—	—	—	—	—	—	—	—	—
56	—	3.50	2.44	3.00	2.75	0.34 slot	0.625	1.88	—	0.517	1.41	0.188	—
56H	—	—	—	5.00	—	—	—	—	—	—	—	—	—
143T	7.00	3.50	2.75	4.00	2.25	0.34 hole	0.875	2.25	2.00	0.771	1.41	0.188	3/4
145T	—	—	—	5.00	—	—	—	—	—	—	—	—	—
182	9.00	4.50	3.75	4.50	2.75	0.41 hole	0.875	2.25	2.00	0.771	1.41	0.188	3/4
184	—	—	—	5.50	—	—	—	—	—	—	—	—	—
182T	—	—	—	4.50	—	—	1.125	2.75	2.50	0.986	1.78	0.250	—
184T	—	—	—	5.50	—	—	—	—	—	—	—	—	—
213	10.50	5.25	4.25	5.50	3.50	0.41 hole	1.125	3.00	2.75	0.986	2.03	0.250	3/4
215	—	—	—	7.00	—	—	—	—	—	—	—	—	—
213T	—	—	—	5.50	—	—	1.375	3.38	3.12	1.201	2.41	0.312	1
215T	—	—	—	7.00	—	—	—	—	—	—	—	—	—
254U	12.50	6.25	5.00	8.25	4.25	0.53 hole	1.375	3.75	3.50	1.201	2.78	0.312	1
256U	—	—	—	10.00	—	—	—	—	—	—	—	—	—
254T	—	—	—	8.25	—	—	1.625	4.00	3.75	1.416	2.91	0.375	1-1/4
256T	—	—	—	10.00	—	—	—	—	—	—	—	—	—
284U	14.00	7.00	5.50	9.50	4.75	0.53 hole	1.625	4.88	4.63	1.416	3.78	0.375	1-1/4
286U	—	—	—	11.00	—	—	—	—	—	—	—	—	—
284T	—	—	—	9.50	—	—	1.875	4.62	4.38	1.591	3.28	0.500	1-1/2
286T	—	—	—	11.00	—	—	—	—	—	—	—	—	—
284TS	—	—	—	9.50	—	—	1.625	3.25	3.00	1.416	1.91	0.375	1-1/2
286TS	—	—	—	11.00	—	—	—	—	—	—	—	—	—
324U	16.00	8.00	6.25	10.50	5.25	0.66 hole	1.875	5.63	5.38	1.591	4.28	0.500	1-1/2
326U	—	—	—	12.00	—	—	—	—	—	—	—	—	—
324US	—	—	—	10.50	—	—	1.625	3.25	3.00	1.416	1.91	0.375	—
326US	—	—	—	12.00	—	—	—	—	—	—	—	—	—
324T	—	—	—	10.50	—	—	2.125	5.25	5.00	1.845	3.91	0.500	2
326T	—	—	—	12.00	—	—	—	—	—	—	—	—	—
324TS	—	—	—	10.50	—	—	1.875	3.75	3.50	1.591	2.03	—	—
326TS	—	—	—	12.00	—	—	—	—	—	—	—	—	—
364U	18.00	9.00	7.00	11.25	5.88	0.66 hole	2.125	6.38	6.13	1.845	5.03	0.500	2
365U	—	—	—	12.25	—	—	—	—	—	—	—	—	—
364US	—	—	—	11.25	—	—	1.875	3.75	3.50	1.591	2.03	—	—
365US	—	—	—	12.25	—	—	—	—	—	—	—	—	—
364T	—	—	—	11.25	—	—	2.375	5.88	5.62	2.021	4.28	0.625	3
365T	—	—	—	12.25	—	—	—	—	—	—	—	—	—
364TS	—	—	—	11.25	—	—	1.875	3.75	3.50	1.591	2.03	0.500	—
365TS	—	—	—	12.25	—	—	—	—	—	—	—	—	—
404U	20.00	10.00	8.00	12.25	6.62	0.81 hole	2.375	7.13	6.88	2.021	5.53	0.625	2
405U	—	—	—	13.75	—	—	—	—	—	—	—	—	—
404US	—	—	—	12.25	—	—	2.125	4.25	4.00	1.845	2.78	0.500	—
405US	—	—	—	13.75	—	—	—	—	—	—	—	—	—
404T	—	—	—	12.25	—	—	2.875	7.25	7.00	2.450	5.65	0.750	3
405T	—	—	—	13.75	—	—	—	—	—	—	—	—	—
404TS	—	—	—	12.25	—	—	2.125	4.25	4.00	1.845	2.78	0.500	—
405TS	—	—	—	13.75	—	—	—	—	—	—	—	—	—
444U	22.00	11.00	9.00	14.50	7.50	0.81 hole	2.875	8.63	8.38	2.450	7.03	0.750	2-1/2
445U	—	—	—	16.50	—	—	—	—	—	—	—	—	—
444US	—	—	—	14.50	—	—	2.125	4.25	4.00	1.845	2.78	0.500	—
445US	—	—	—	16.50	—	—	—	—	—	—	—	—	—
444T	—	—	—	14.50	—	—	3.375	8.50	8.25	2.880	6.91	0.875	3
445T	—	—	—	16.50	—	—	—	—	—	—	—	—	—
447T	—	—	—	20.00	—	—	—	—	—	—	—	—	—
449T	—	—	—	25.00	—	—	—	—	—	—	—	—	—
444TS	—	—	—	14.50	—	—	2.375	4.75	4.50	2.021	3.03	0.625	—
445TS	—	—	—	16.50	—	—	—	—	—	—	—	—	—
447TS	—	—	—	20.00	—	—	—	—	—	—	—	—	—
449TS	—	—	—	25.00	—	—	—	—	—	—	—	—	—
5004	25.00	12.50	10.00	16.00	8.50	0.94 hole	3.875	11.63	11.25	3.309	10.00	1.000	—
5004G	—	—	—	—	—	—	3.500	10.50	10.19	3.007	9.00	0.875	—
5004S	—	—	—	—	—	—	2.875	5.75	5.50	2.450	4.13	0.750	—
5004SS	—	—	—	—	—	—	2.375	4.75	4.50	2.021	3.13	0.625	—
5006L	28.50	—	—	20.00	—	—	4.875	14.63	14.38	4.168	12.88	1.250	—
5006S	—	—	—	—	—	—	2.875	5.75	5.50	2.450	4.00	0.750	—
5006MS	—	—	—	—	—	—	3.375	6.75	6.50	2.880	5.00	0.875	—
5008	25.00	—	—	25.00	—	—	3.875	11.63	11.25	3.309	10.00	1.000	—
5008G	—	—	—	—	—	—	3.500	10.50	10.19	3.007	9.00	0.875	—
5008L	28.50	—	—	—	—	—	4.875	14.63	14.38	4.168	12.88	1.250	—
5008S	25.00 ¹	—	—	—	—	—	2.875	5.75	5.50	2.450	4.13 ¹	0.750	—
	28.50 ²	—	—	—	—	—	—	—	—	—	4.00 ²	—	—
5008MS	28.50	—	—	—	—	—	3.375	6.75	6.50	2.880	5.00	0.875	—
5008SS	25.00 ¹	—	—	—	—	—	2.375	4.75	4.50	2.021	3.13 ¹	0.625	—
	28.50 ²	—	—	—	—	—	—	—	—	—	3.00 ²	—	—
5010L	28.50	—	—	32.00	—	—	4.875	14.63	14.38	4.168	12.88	1.250	—
5010S	—	—	—	—	—	—	2.875	5.75	5.50	2.450	4.00	0.750	—
5010MS	—	—	—	—	—	—	3.375	6.75	6.50	2.880	5.00	0.875	—
5010SS	—	—	—	—	—	—	2.375	4.75	4.50	2.021	3.00	0.625	—
5012L	—	—	—	40.00	—	—	4.875	14.63	14.38	4.168	12.88	1.250	—
5012S	—	—	—	—	—	—	2.875	5.75	5.50	2.450	4.00	0.750	—
5012MS	—	—	—	—	—	—	3.375	6.75	6.50	2.880	5.00	0.875	—
5012SS	—	—	—	—	—	—	2.375	4.75	4.50	2.021	3.00	0.625	—

1. Totally Enclosed Motors 2. Open Dripproof Motors † All marks shown within this document are properties of their other respective owners.



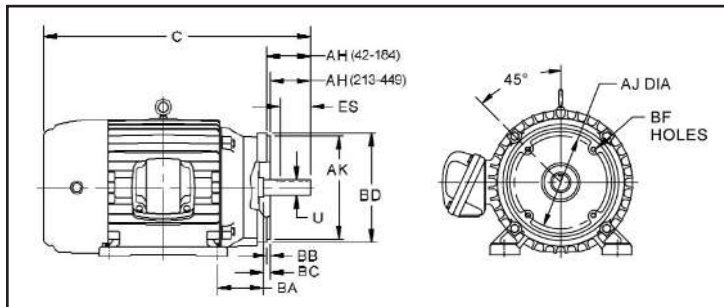
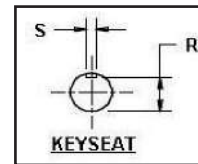
JP Shaft

Frame	AH	U	EM	EL	EN	AK	R	Keyseat ES Min.	S
143	7.313	0.8745	1.0000	1.156	3/8-16 x .75	4.500	0.771	1.65	0.188
145									
182	7.313	0.8745	1.0000	1.250	3/8-16 x .75	4.500	0.771	1.65	0.188
184									
213	8.125	1.2495	1.3750	1.750	3/8-16 x .75	8.500	1.112	1.65	0.250
215									
254	8.125	1.2495	1.3750	1.750	1/2-13 x 1.00	8.500	1.112	2.53	0.250
256									
284	8.125	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250
286									
324	8.125	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250
326									
364	8.125	1.6245	1.7500	2.125	1/2-13 x 1.00	12.500	1.416	2.53	0.375
365									



JM Shaft

Frame	AH	U	EM	EL	EN	AK	R	Keyseat ES Min.	S
143	4.250	0.8745	1.0000	1.156	3/8-16 x .75	4.500	0.771	1.65	0.188
145									
182	4.250	0.8745	1.0000	1.250	3/8-16 x .75	4.500	0.771	1.65	0.188
184									
213	4.250	0.8745	1.0000	1.250	3/8-16 x .75	8.500	0.771	1.65	0.188
215									
254	5.250	1.2495	1.3750	1.750	1/2-13 x 1.00	8.500	1.112	2.53	0.250
256									
284	5.250	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250
286									
324	5.250	1.2495	1.3750	1.750	1/2-13 x 1.00	12.500	1.112	2.53	0.250
326									



**Dimensions for
Type C-Face AC Motors,
Footed or Footless**

Frame	AJ	AK	BA	BB Min.	BC	BD Max.	BF Hole			U	AH	Keyseat		
							Number	Tap Size	Bolt Penetration Allowance			R	ES Min.	S
42C	3.750	3.000	2.062	0.16	-0.19	5.00	4	1/4-20	—	0.375	1.312	0.328	—	flat
48C	3.750	3.000	2.50	0.16	-0.19	5.625	4	1/4-20	—	0.500	1.69	0.453	—	flat
56C	5.875	4.500	2.75	0.16	-0.19	6.50	4	3/8-16	—	0.625	2.06	0.515	1.41	0.188
143TC & 145TC	5.875	4.500	2.75	0.16	+0.12	6.50	4	3/8-16	0.56	0.875	2.12	0.771	1.41	0.188
182TC & 184TC	7.250	8.500	3.50	0.25	+0.12	9.00	4	1/2-13	0.75	1.125	2.62	0.986	1.78	0.250
182TCH & 184TCH	5.875	4.500	3.50	0.16	+0.12	6.50	4	3/8-16	0.56	1.125	2.62	0.986	1.78	0.250
213TC & 215TC	7.250	8.500	4.25	0.25	+0.25	9.00	4	1/2-13	0.75	1.375	3.12	1.201	2.41	0.312
254TC & 256TC	7.250	8.500	4.75	0.25	+0.25	10.00	4	1/2-13	0.75	1.625	3.75	1.416	2.91	0.375
284TC & 286TC	9.000	10.500	4.75	0.25	+0.25	11.25	4	1/2-13	0.75	1.875	4.38	1.591	3.28	0.500
284TSC & 286TSC	9.000	10.500	4.75	0.25	+0.25	11.25	4	1/2-13	0.75	1.625	3.00	1.416	1.91	0.375
324TC & 326TC	11.000	12.500	5.25	0.25	+0.25	14.00	4	5/8-11	0.94	2.125	5.00	1.845	3.91	0.500
324TSC & 326TSC	11.000	12.500	5.25	0.25	+0.25	14.00	4	5/8-11	0.94	1.875	3.50	1.591	2.03	0.500
364TC & 365TC	11.000	12.500	5.88	0.25	+0.25	14.00	4	5/8-11	0.94	2.375	5.62	2.021	4.28	0.625
364TSC & 365TSC	11.000	12.500	5.88	0.25	+0.25	14.00	8	5/8-11	0.94	1.875	3.50	1.591	2.03	0.500
404TC & 405TC	11.000	12.500	6.62	0.25	+0.25	15.50	8	5/8-11	0.94	2.875	7.00	2.450	5.65	0.750
404TSC & 405TSC	11.000	12.500	6.62	0.25	+0.25	15.50	8	5/8-11	0.94	2.125	4.00	1.845	2.78	0.500
444TC & 445TC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	3.375	8.25	2.880	6.91	0.875
444TSC & 445TSC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	2.375	4.50	2.021	3.03	0.625
447TC & 449TC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	3.375	8.25	2.880	6.91	0.875
447TSC & 449TSC	14.000	16.000	7.50	0.25	+0.25	18.00	8	5/8-11	0.94	2.375	4.50	2.021	3.03	0.625
5000 Frame Series	14.500	16.500	—	0.25	+0.25	18.00	4	5/8-11	0.94	—	—	—	—	—

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