

Emerson makes it easy to find the right replacement motor.

A typical manufacturing plant has hundreds of electric motors working to help the business operate effectively and efficiently. If you take a moment to look around you, electric motors are found in almost every area and every function. From the moment you enter the door to the moment the newly-assembled product leaves the plant, all around you electric motors are powering the doors, conveyors, air circulation and even more.

Whether you are looking for a 1/4 HP motor to power an electric fan, or a 50 HP motor to operate a compressor, EMERSON® knows that there is little room for error. When it comes to your business, having the right replacement motor available when you need it is imperative to your success. EMERSON® understands that when your motor is down, your business comes to a halt. You need the ability to find the right replacement motor now!

If you are having difficulty finding a replacement commercial or industrial fractional or integral horsepower motor, don't look any further. Emerson offers an extensive line of replacement motors, including motors for use as direct replacements for Dayton®, AO Smith®, General Electric®, Leeson®, Marathon™, and many others. From 1/185 HP unit bearing motors to 4000 HP vertical hollow shaft motors, Emerson has a variety of products to meet your needs.

Emerson has the right tools available to assist you in finding the correct Emerson® motor to replace your current motor brand quickly. Find more information at www.emersonmotors.com/MRO.

- eBusiness Tools
 - Competitive Cross Reference Tools
 - eCatalog Search Tool — Search by ID, Features or Applications
 - Online Chat
- Online Motor Specifications & Technical Data
 - Dimension Prints
 - Nameplate Data
 - 3D Models
 - Performance Data
 - Wiring Diagrams
 - Installation & Maintenance Manuals
- Product Available Throughout the World
 - On Hand Inventory at Local Distributors
 - Authorized Service Stations — Warranty & Repair
- Full Line of Production Maintenance Solutions
- Full Line of Facilities Maintenance Solutions

Simply, we want to make it EASY for you to find and purchase Emerson® brand replacement motors!

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Emerson Motor Company

8100 West Florissant Ave.
St. Louis, MO 63136

Phone: 877-600-3190

Fax: 314-595-8315

www.emersonmotors.com/MRO

Emerson Motor Company Facilities Maintenance Solutions

COMPETITIVE CROSS REFERENCE SEARCH CAPABILITIES

Over 50,000 cross references are available for popular EMERSON® and U.S. MOTORS® brands, both integral and fractional, for competitor or OEM catalog numbers and model numbers. The competitive search tool is available at: www.emersonmotors.com/MRO

EXTENSIVE MOTOR AVAILABILITY NETWORK

Worldwide network of distributors with stock availability of EMERSON® fractional and U.S. MOTORS® brand integral motors. Browse the list at www.emersonmotors.com/MRO

ONLINE MOTOR SPECIFICATIONS & TECHNICAL DATA

Easily access up to date information on every EMERSON® motor. Find dimension prints, performance data, nameplate data, wiring diagrams, curves, renewal parts lists, installation and maintenance manuals, 3D models, and more. All are just a click away: www.emersonmotors.com/MRO

ONLINE CHAT

Get answers quickly to your technical or product questions through interactive on line chat service at www.emersonmotors.com/MRO

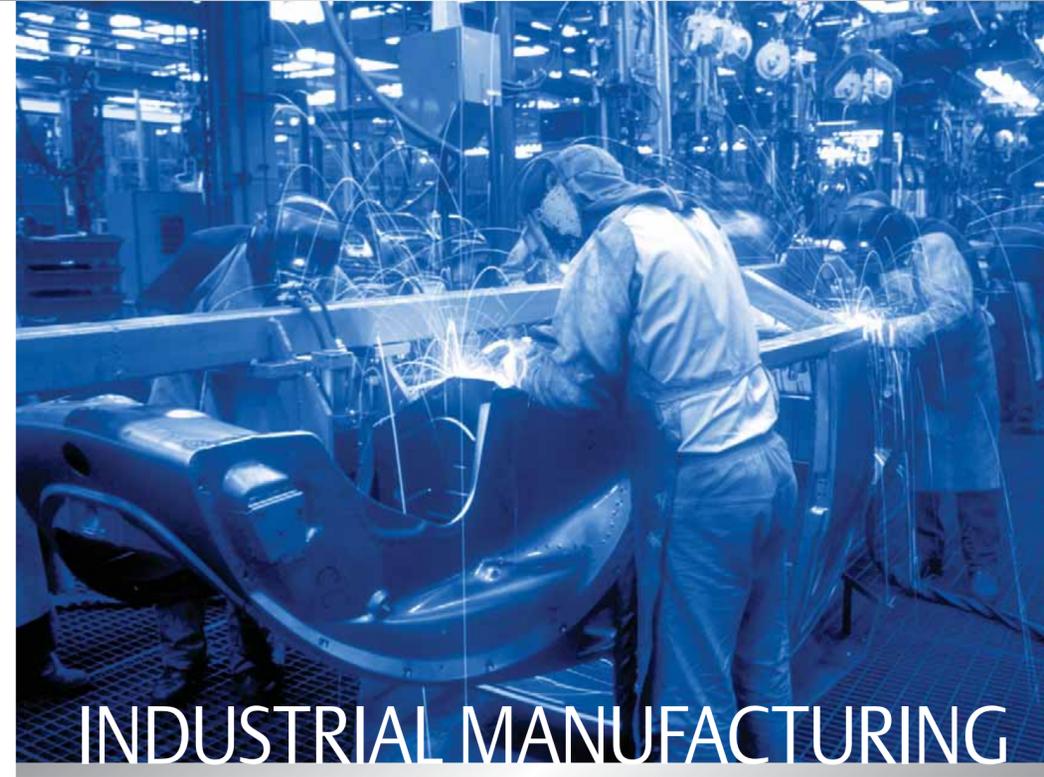
EXPERIENCE

For more than a century, EMERSON has been manufacturing reliable, quality electric motors. We develop standard, as well as custom, solutions that enable our customers to lead their industry with advanced motor capabilities. We bring together technology and engineering to deliver the best solutions for our customers. Learn more at www.emersonmotors.com

PRODUCT SCOPE

From small fractional horsepower motors that drive fans and blowers to large integral horizontal and vertical motors that power large industrial machinery, we have the breadth of variety to meet virtually any customer need, on any business scale. For more information, visit www.emersonmotors.com/MRO

MRO-INDMFG 1/09



INDUSTRIAL MANUFACTURING

FACILITIES MAINTENANCE ELECTRIC MOTOR GUIDE



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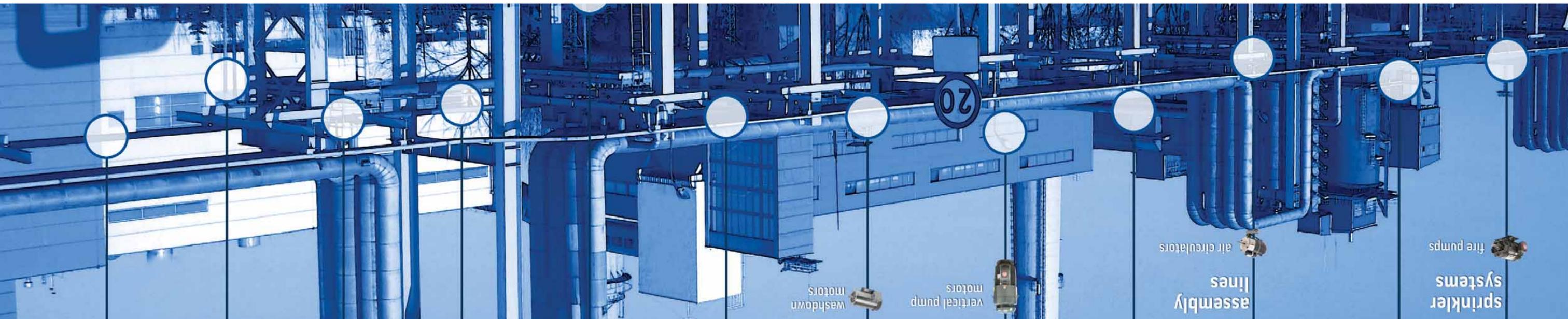
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Phone: (877) 600-3190 • Fax: (314) 595-8315

8100 West Florissant Ave. • St. Louis, MO 63136



washdown motors

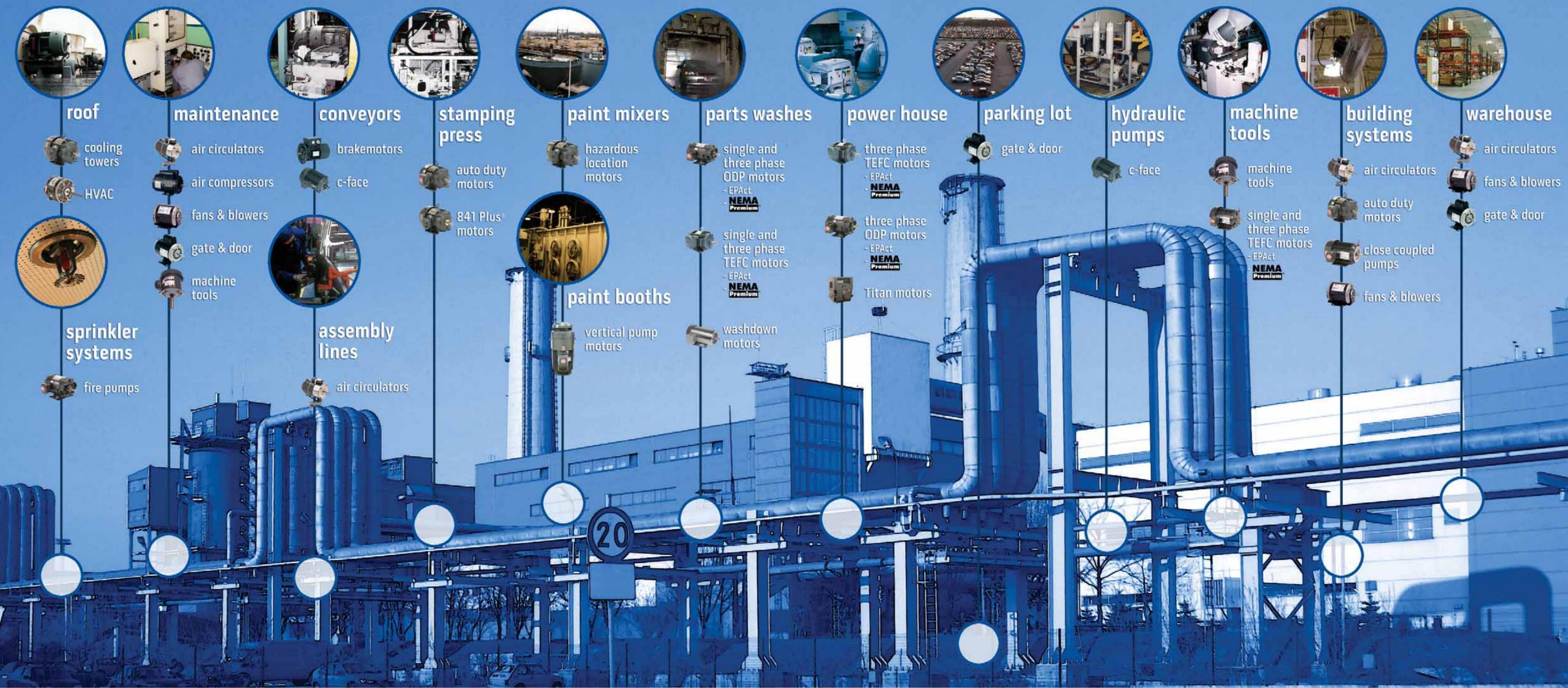
vertical pump motors

assembly lines

sprinkler systems

fire pumps

air circulators



roof
cooling towers
HVAC

maintenance
air circulators
air compressors
fans & blowers
gate & door
machine tools

conveyors
brakemotors
c-face

stamping press
auto duty motors
841 Plus[®] motors

paint mixers
hazardous location motors

parts washes
single and three phase ODP motors
- EPAct
- NEMA Premium
single and three phase TEFC motors
- EPAct
- NEMA Premium
washdown motors

power house
three phase TEFC motors
- EPAct
- NEMA Premium
three phase ODP motors
- EPAct
- NEMA Premium
Titan motors

parking lot
gate & door

hydraulic pumps
c-face

machine tools
machine tools
single and three phase TEFC motors
- EPAct
- NEMA Premium

building systems
air circulators
auto duty motors
close coupled pumps
fans & blowers

warehouse
air circulators
fans & blowers
gate & door

sprinkler systems
fire pumps

assembly lines
air circulators

paint booths
vertical pump motors

PRODUCT OVERVIEW (listed in alphabetical order)

Air Circulator Motors
Single Phase, OAO and TEAO
1/15, 1/10 HP and 1/4 through 1/2 HP
1800, 1200, and 900 RPM
42 through 56 frame
Single and two speed options
Oscillating and non-oscillating options

Air Compressor
Single phase, ODP
1/2 HP through 5 HP
3600 RPM
56, 143 and 184 frame
High breakdown torque

Automotive Duty, U-frame
Three phase, TEFC
1/4 HP through 300 HP
3600, 1800, 1200 and 900 RPM
56 through 5008 frame
Meets General Motors[®] GM-7EQ & GM-7EH,
Ford[®] EM1, and Chrysler[®] NPEM-105 spec

Brake Motor
Three Phase, TEFC with Brake Added
1/3 HP through 20 HP
1800 and 1200 RPM
56 through 256 frame
Rigid base, C-face, footed and footless

C-Face: ODP, TEFC and Hazardous Location
Single Phase, Split Phase and Capacitor Start
Three Phase, footed and footless options
1/12 HP through 60 HP
3600, 1800 and 1200 RPM
56 through 326 frame
Standard, Energy and Premium Efficient

Close Couple Pump
Single and three phase, ODP,
TEFC and Hazardous Location
1 HP through 60 HP
3600 and 1800 RPM
143 through 326 frame
JM and JP shafts available

Cooling Tower
Three phase, TEFC and TEAO
2 HP through 100 HP
1800, 1200, 1800/900 and 1200/600 RPM
145 through 447 frame
Single speed and two speed
Energy efficient and NEMA Premium[®] inverter duty
Meets specifications for Baltimore Aircoil Company[®],
Evapco[®] and Marley[®] cooling tower motors

Fire Pump Motor
Three phase, ODP
7-1/2 HP through 250 HP
3600 and 1800 RPM
184 through 445 frame
UL[®] listed for fire pump application
Available in horizontal frame and vertical
JP close couple pumps



Gate and Door Motors
Single and Three phase, ODP and TEFC
1/30 HP through 1 HP
1800 RPM
56 and 56C frames

Hazardous Location
Single and three phase, TEFC
1/4 HP through 150 HP
3600, 1800, 1200 and 900 RPM
56 through 445 frame
Energy and premium efficient
Class I Group D; Class I, Groups C and D, and
Class II, Groups E, F, and G

HVAC MOTORS

Condenser Fans
Single and three phase, OAO and TEAO
1/10 HP through 2 HP
1725, 1625, 1550, 1075 and 825 RPM
48 and 56 frame
Single and two speed

Fan and Blower
Single phase, ODP, OAO and TEAO
1/6 HP through 1-1/2 HP
3450, 1725, 1075 and 825 RPM
Single, two, three and four speed
Belt drive and direct drive



Package Terminal A/C Heat Pump
Single phase, OAO
1/30 HP through 3/4 HP
1625, 1050, 1100 and 925 RPM
5.0", 5.6" and 6.3" diameter
Single, two, three and four speed

Unit Heater
Single phase, TEAO
1/15 HP through 3/4 HP
1550 and 1075 RPM
48 and 56 frame
Cradle and stud mount

ODP, Three Phase
1/4 HP through 400 HP
3600, 1800, 1200 and 900 RPM
48 through 449 frame
Energy and NEMA Premium[®] efficient

SINGLE PHASE

ODP and TEFC, Single Phase, Capacitor Start
1/8 HP through 10 HP
3600, 1800 and 1200 RPM
48 through 215 frame, C-face footed and footless
Rigid welded and cradle bases
Automatic or manual reset thermal overload protector options

ODP and TEFC, Single Phase, Split Phase
1/12 HP through 3/4 HP
3600, 1800, 1200 and 900 RPM
48 through 56 frame, C-face footed and footless
Rigid welded and cradle bases
Single and two speed options
Automatic or manual reset thermal overload protector options



TEFC THREE PHASE

TEFC, Three Phase, 841 PLUS[®]
1 HP through 400 HP
3600, 1800 and 1200 RPM
143 through 447 frame
Meets IEEE[®] 841 GM7E-TA specifications
NEMA Premium[®] efficient
Five-year limited warranty
VBXX[®] bearing isolators by Inpro/Seal[®] help protect bearings

TEFC, Three Phase, CORRO-DUTY[®]
1 HP through 200 HP
3600, 1800 and 1200 RPM
143 through 447 frame
All cast iron construction
NEMA Premium[®] efficient

TEFC, Three Phase, e-LINE[®]
1 HP through 250 HP
3600, 1800 and 1200 RPM
140 through 449 frame
All cast iron construction
Energy efficient
Footed and C-Face Footed

TEFC, Three Phase, Hostile Duty
1 HP through 350 HP
3600, 1800, 1200 and 900 RPM
143 through 449 frame
Energy and NEMA Premium[®] efficient
Cast iron frame and brackets
Ball and roller bearing options



TEFC, Three Phase, UNIMOUNT[®]
1/4 HP through 30 HP
3600, 1800, 1200 and 900 RPM
56 through 286 frame
Energy and NEMA Premium[®] efficient
C-face, footed and footless and removable base

TITAN[®] Horizontal
Three phase, ODP, WPII, TEFC
and Hazardous Location
150 HP through 4000 HP
3600, 1800, 1200, 900, 720, 600 and 514 RPM
449 through 9608 frame
460 through 6600 volts
Ball or sleeve bearings available

Vertical Pump Motors
Three phase, WPI, WPII, TEFC and Hazardous Location
3 HP through 4000 HP
3600, 1800, 1200, 900, 720, 600 and 514 RPM
182 through 6810 frame
Designed for high or normal thrust
Available in vertical hollowshaft and vertical solid shaft

Washdown Motors
Single and three phase, TENV and TEFC
1/2 HP through 10 HP
1150 through 3450 RPM
56HC through 145TC frame
Painted, Paint Free and Stainless Steel
Foot mounted, c-face footed and footless



† All non-Emerson Electric Co. marks shown within this document are properties of their respective owners.
* For details, refer to: <http://www.usmotors.com/1600/LimitedWarranty.pdf>

