

# Emerson makes it easy to find the right replacement motor.

A beverage plant has hundreds of electric motors working to help the facility operate effectively and efficiently. If you take a moment to look around you, electric motors are found in almost every area and every function. Electric motors are powering the air circulation, cooling and heating throughout the building and even more.

Whether you are looking for a 1/2 horsepower motor to power a conveyor, or a 500 horsepower TITAN® motor to power a compressor, Emerson knows that there is little room for error. When it comes to your facility, having the right replacement motor available when you need it is imperative to your success. Emerson understands that when a motor is down, your facility comes to a halt. You need the ability to find the right replacement motor now!

If you are having difficulty finding a NEMA Premium® replacement 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® and Marathon Electric™ motors, and many other motors. 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. Learn more at [www.emersonmotors.com/MRO](http://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
  - Performance Data
  - Nameplate Data
  - Wiring Diagrams
  - 3D Models
  - Installation & Maintenance Manuals
- 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!



**Emerson Motor Company**  
 8100 West Florissant Ave.  
 St. Louis, MO 63136  
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 Fax: 314-595-8315  
[www.emersonmotors.com/MRO](http://www.emersonmotors.com/MRO)

## Emerson Facilities Maintenance Solutions

**ENERGY INDEPENDENCE & SECURITY ACT OF 2007**  
 The Energy Independence & Security Act of 2007 (or EISA for short) will move the current energy efficient 1 to 200 HP general purpose product to NEMA Premium® efficient standards (NEMA MG1 12-12), starting December 2010. Emerson stocks NEMA Premium Open Drip-proof and Totally Enclosed Fan Cooled electric motors that meet the EISA requirements. To learn more, go to [www.emersonmotors.com/MRO](http://www.emersonmotors.com/MRO)

**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](http://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](http://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](http://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 solutions for our customers. Learn more at [www.emersonmotors.com](http://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 product to meet virtually any customer need, on any business scale. For more information, visit [www.emersonmotors.com/MRO](http://www.emersonmotors.com/MRO)



# BEVERAGE INDUSTRY

## FACILITIES MAINTENANCE ELECTRIC MOTOR GUIDE



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





**sprinkler systems**

fire pumps

**roof**

package terminal AC heaters  
 fan & blower  
 condenser fans  
 cooling tower  
 ODP 3 phase - E-PACT - NEMA Premium  
 TEFC 3 phase - E-PACT - NEMA Premium  
 ODP & TEFC single phase

**rinsers/clean room**

painting washdown  
 paint-free washdown  
 stainless steel washdown

**refrigeration/compressors**

841 PLUS® motors  
 TITAN® WP II horizontal motors

**processing equipment**

841 PLUS® motors  
 ACCU-Torq® motors  
 vertical solid shaft motors

**building systems**

ODP motors - E-PACT - NEMA Premium  
 TEFC motors - E-PACT - NEMA Premium  
 room air conditioners  
 close coupled pumps  
 fans & blowers  
 hot water circulators

**packaging + bulk conveyors**

brake motors  
 c-face UNIMOUNT® motors

**warehouse + shipping dock**

air circulators  
 fans & blowers  
 gate & door

**entry ways + security gates**

gate & door  
 unit heaters

**grounds**

close coupled pumps

**PRODUCT OVERVIEW (listed in alphabetical order)**

**ACCU-Torq® Vector Duty**  
 Three phase, TENV and TEBC  
 1 HP through 15 HP (TENV)  
 1 HP through 300 HP (TEBC)  
 143 through 449 frame  
 0-1800 RPM  
 Constant torque near zero RPM  
 Three-year limited warranty on inverter power

**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

**C-Face: ODP, TEFC and Hazardous Location**  
 Single Phase, OAO and TEAO  
 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

**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

**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<sup>1</sup>, Evapco<sup>2</sup> and Marley<sup>3</sup> cooling tower motors

**Fan and Blower**  
 Single phase, 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

**Fire Pump Motor**  
 Three phase, ODP  
 7-1/2 HP through 250 HP  
 3600 and 1800 RPM  
 184 through 445 frame  
 UL<sup>4</sup> 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  
 1/3 HP through 1 HP  
 1800 RPM  
 56 and 56C frames

**Hot Water Circulator Pump**  
 Single and three phase, ODP  
 1/12 HP through 1-1/2 HP  
 1800 RPM  
 48 and 56 frame  
 Direct replacement motor for B&G<sup>5</sup> (Bell & Gossett), Taco<sup>6</sup> and Thrush<sup>7</sup> brand circulator pumps

**ODP and TEFC, Single Phase, Capacitor Start**  
 1/8 HP through 10 HP  
 3600, 1800 and 1200 RPM  
 143 through 447 frame  
 Meets IEEE<sup>8</sup> 841 GM7E-TA specifications  
 Five-year limited warranty<sup>9</sup>  
 NEMA Premium™ efficient  
 VBX™ bearing isolators by Inpro/Seal™ help protect bearings

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



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

**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

**TEFC, Three Phase, 841 PLUS®**  
 1 HP through 400 HP  
 3600, 1800 and 1200 RPM  
 143 through 447 frame  
 Meets IEEE<sup>8</sup> 841 GM7E-TA specifications  
 Five-year limited warranty<sup>9</sup>  
 NEMA Premium™ efficient  
 VBX™ 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® Vertical Solid Shaft and WP II Horizontal**  
 150 HP through 4000 HP  
 3600, 1800, 1200 and 900 RPM  
 5000 through 9600 frame  
 Energy and Premium efficient  
 Anti-friction or sleeve bearing options



**UNIMOUNT® 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

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

**Washdown Motors**  
 Painted, Paint Free, and Stainless Steel  
 1/2 HP through 10 HP  
 3450, 1725, and 1150 RPM  
 56 through 215 Frame

**Water System Pumps**  
 Single and three phase, ODP and TEFC  
 1/3 HP through 3 HP  
 3600 and 1800 RPM  
 48 and 56 frame  
 C-Face, square flange and sump pump  
 Footed and footless



<sup>1</sup> All non-Emerson Electric Co. marks shown within this document are properties of their respective owners. Emerson trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office. <sup>2</sup> For details, refer to: <http://www.usmotors.com/FL600/LimitedWarranty.pdf>

