

21 HVAC Motors

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



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



Draft Inducers - Blowers & Motors

115 and 208-230 Volts
1 and 2 Speeds
OEM Replacement for Goodman[®],
ICP[®], Carrier[®], Lennox[®],
Armstrong[®] and Trane[®]



MOJAVE[™] Series Condenser Fans

1 and 2 Speeds
1/4 HP through 3/4 HP
Sleeve Bearings
70° Ambient Design



RESCUE[™] Motors

Replaces a variety of different
HP applications
Gas or Electric Furnace motors
1/2 to 1/6 HP or 3/4 to 1/5 HP
1075 RPM, 48 Frame
Condenser Fan Motors
1/3 to 1/6 HP or 1/2 to 1/5 HP
1075 RPM, 48 Frame



Room Air Conditioners

Single phase, OAO and TEAO
1/10 HP through 3/4 HP
1725 and 1075 RPM
42 and 48 frame
Single, two, three, four and five speed
Automatic reset thermal overload protector



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



Emerson makes it easy to find the right replacement motor.

When you enter onto a military base, you have stepped into a well-developed community made up of a network of buildings to support the military personnel and their families. As you tour the base, you will see many buildings typically found in small towns: Restaurants (AAFES), Gas Stations and Shopettes, Military Housing (Barracks, Officers' Quarters), Grocery & Retail Stores (Commissary & Base Exchange), Chapels, Banks, Golf Courses, Recreation Centers and more. Each of these buildings are kept running efficiently and effectively with the help of electric motors. 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 doors, air circulation, cooling and heating throughout the buildings, and even more.

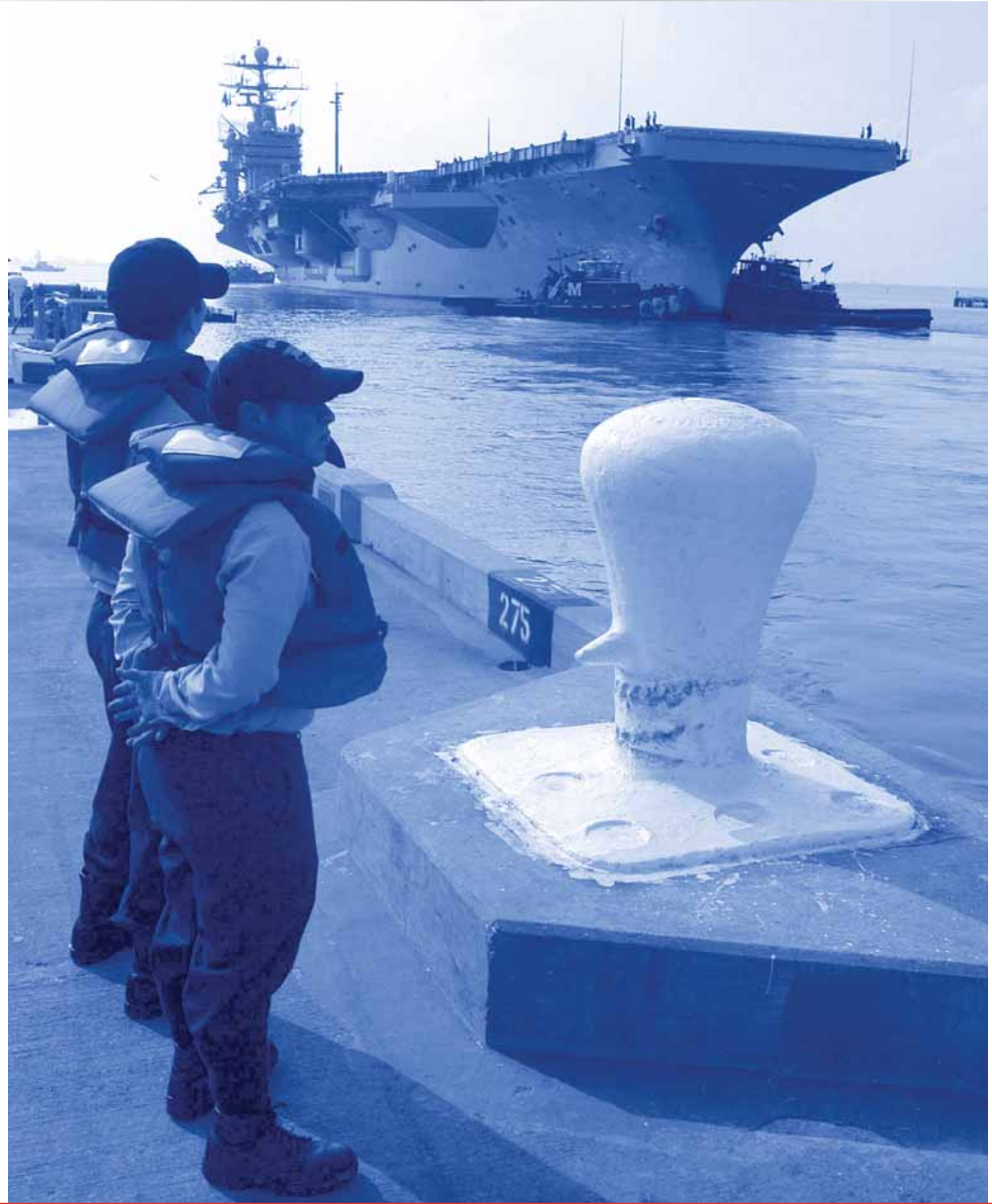
Whether you are looking for a 1/4 HP motor to power an electric fan, or a 20 HP NEMA Premium[®] motor to operate a cooling tower, Emerson knows that there is little room for error. When it comes to your business, having the right NEMA Premium[®] replacement motor available when you need it is imperative 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 NEMA Premium[®] 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' 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. 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!



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

FEDERAL EFFICIENCY MOTOR PROGRAM

New legislation requires that all federal agencies utilize a premium efficiency definition when purchasing energy-consuming products and systems, including electric motors. Emerson's new Federal Efficiency Motor Program (FEMP) catalog, includes an extensive lineup of electric motors identified with nominal NEMA Premium efficiency of each motor, so federal facility procurement staff can easily make product comparisons and selections. To receive your free Federal Compliance motor catalog contact your local Emerson motor dealer or call 877-600-3190.

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

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-MIL 1/09



MILITARY BASE

FACILITIES MAINTENANCE ELECTRIC MOTOR GUIDE



EMERSON. CONSIDER IT SOLVED[®]

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- A AAFES Facilities (Restaurants)**
Building Systems: 1 6 9 11 12 20 21
Food Preparation: 2 13
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- B Airfield**
Aircraft Maintenance: 1 6 7 8 11 20 21
Fuel Pump Station: 15 16
Hangers: 1 6 8 11 20 21
- C Auditoriums**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- D Bank**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- E Base Exchange (Stores) and Commissary (Grocery Store)**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Shipping/Receiving: 6 8 12 17 18
Sprinkler Systems: 7
- F Chapel**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- G Civil Engineering (Maintenance)**
Boiler Room: 3 6 11 12 14 20
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Grounds: 3 14 15
Roof: 4 19 21
Sprinkler Systems: 7
- H Daycare/Youth Center**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- I Education Center**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- J Entrance Gates** 8
- K IT Buildings**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- L Library**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- M Medical Facility/Hospital**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- N Mess Hall (Cafeteria)**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Food Preparation: 2 13
Roof: 4 19 21
Sprinkler Systems: 7
- O Military Personnel Flight Bldg.**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- P Military Police/Security Posts**
Building Systems: 1 6 9 11 12 20 21
Roof: 4 19 21
Door Openers: 8
Sprinkler Systems: 7
- Q Officers' Quarters/Barracks (Housing)**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- R Post Office**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- S Public Affairs**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- T Recreation Center**
Basketball: 20
Bleachers Adjuster: 20
Building Systems: 1 6 9 11 12 20 21
Curtain Drop: 20
Door Openers: 8
Golf Course: 3 12 21
Roof: 4 19 21
Pool/Spa Pump System: 10
Sprinkler Systems: 7
- U Recycling Center**
Building Systems: 1 6 9 11 12 20 21
Conveyors: 17 18
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- V Shopette (Gas/Fuel Station)**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- W Supply (Warehousing)**
Building Systems: 1 6 9 11 12 20 21
Conveyors: 17 18
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7
- X Theatre**
Building Systems: 1 6 9 11 12 20 21
Door Openers: 8
Roof: 4 19 21
Sprinkler Systems: 7



- 1 Air Compressors**
Single phase, ODP
1/2 HP through 5 HP
3600 RPM
56, 143 and 184 frame
High breakdown torque
- 2 Carbonator Pump**
Single phase, ODP
1/4 HP through 1/2 HP
1800 RPM
48 frame
- 3 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
- 4 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
- 5 Elevator Motors – Dry Hydraulic and Submersible**
Single and three phase
3 HP through 75 HP
3600, 1800 and 1200 RPM
Z and L32 flange mounting
- 6 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
- 7 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
- 8 Gate and Door Motors**
Single and Three phase, ODP and TEFC
1/3 HP through 1 HP
1800 RPM
56 and 56C frames
- 9 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® (Bell & Gossett), Taco® and Thrush™ brand circulator pumps
- 10 Pool and Spa Motor**
Single and three phase, ODP
1/2 HP through 5 HP
3600 RPM
48 and 56 frame
Thru-bolt, c-face and square flange
UL® 1081, 1795 and 1563 design
- 11 ODP, Three Phase**
1/4 HP through 400 HP
3600, 1800, 1200 and 900 RPM
48 through 449 frame
Energy and NEMA Premium® efficient
- 12 Unit Heater**
Single phase, TEAO
1/15 HP through 3/4 HP
1550 and 1075 RPM
48 and 56 frame
Cradle and stud mount
- 13 Washdown Motors**
Painted, Paint Free, and Stainless Steel
1/2 HP through 10 HP
3450, 1725, and 1150 RPM
56 through 215 Frame
- 14 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
- 15 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 hollowshaft and solid shaft
- 16 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
- 17 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
- 18 C-Face: ODP, TEFC and Hazardous Location**
Single Phase and Three Phase
1/12 HP through 60 HP
3600, 1800 and 1200 RPM
56 through 326 frame, footed and footless options
Standard, Energy and Premium Efficient
- 19 Three Phase General Purpose Totally Enclosed Fan Cooled (TEFC)**
TEFC, Three Phase, 841 PLUS®
1 HP through 400 HP
3600, 1800 and 1200 RPM
143 through 447 frame
Five-year limited warranty*
NEMA Premium® efficient
Meets IEEE® 841 GM7E-TA specifications
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
Cast iron frame and brackets
Ball and roller bearing options
Energy and NEMA Premium® efficient
- 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
- 20 Single Phase Open Dripproof (ODP) and Totally Enclosed Fan Cooled (TEFC)**
ODP and TEFC, Single Phase, Capacitor Start
1/8 HP through 10 HP
3600, 1800 and 1200 RPM
48 through 215 frame
Rigid welded and cradle bases
C-face footed and footless
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
Rigid welded and cradle bases
Single and two speed options
C-face footed and footless
Automatic or manual reset thermal overload protector options

* All non-Emerson Electric Co. marks shown within this document are properties of their respective owners. *For details, refer to: <http://www.usmotors.com/11600/LimitedWarranty.pdf>

