

BEVERAGE INDUSTRY



U.S. MOTORS® makes it easy to find the right, energy-efficient replacement motor.

It's a 24/7 world in manufacturing. Motor failure and the resulting downtime is an unthinkable interruption to your production schedule. Time is money... and you can't afford to waste it.

U.S. MOTORS® brand motors ensure round-the-clock reliability and maximum efficiency, improving your operation by:

- Reducing energy consumption
- Increasing equipment uptime
- Eliminating wasteful maintenance
- Reducing on site inventory

We understand your business and know having the right replacement motor available when you need it is critical to your operation. We offer an extensive line of U.S. MOTORS® brand replacement motors for every application in your plant...from building systems to processing equipment to conveyor systems. And, we have the on-line tools to help you find the correct replacement motor quickly.

Looking for a direct replacement fractional or integral motor? Look no further. The U.S. MOTORS line offers an extensive portfolio of replacements and we have the tools—both eBusiness, and motor specifications and technical data, to connect you with the right motor quickly at www.usmotors.com/OnLine-Catalog.aspx:

- Competitive cross reference tools
 - More than 50,000 cross references by competitor or OEM catalog and model numbers.
- eCatalog search tool (search by ID, features or applications)
- Online chat
- Dimension prints
- Nameplate data
- 3D models
- Performance data
- Wiring diagrams
- Installation and maintenance manuals



The U.S. MOTORS line of products, as well as a full complement of production and facilities maintenance solutions, is available locally and throughout the world:

- On hand inventory at local distributors
- Authorized service stations—warranty and repair

If you have questions, e-mail us at FacilityMRO@nidec-motor.com

Beverage Industry

Facilities Maintenance Electric Motor Guide



FRACTIONAL AND INTEGRAL
REPLACEMENT MOTORS

Nidec Motor Corporation, 2012. All Rights Reserved.
U.S. MOTORS® is a registered trademark of Nidec Motor Corporation.
Nidec Motor Corporation trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.

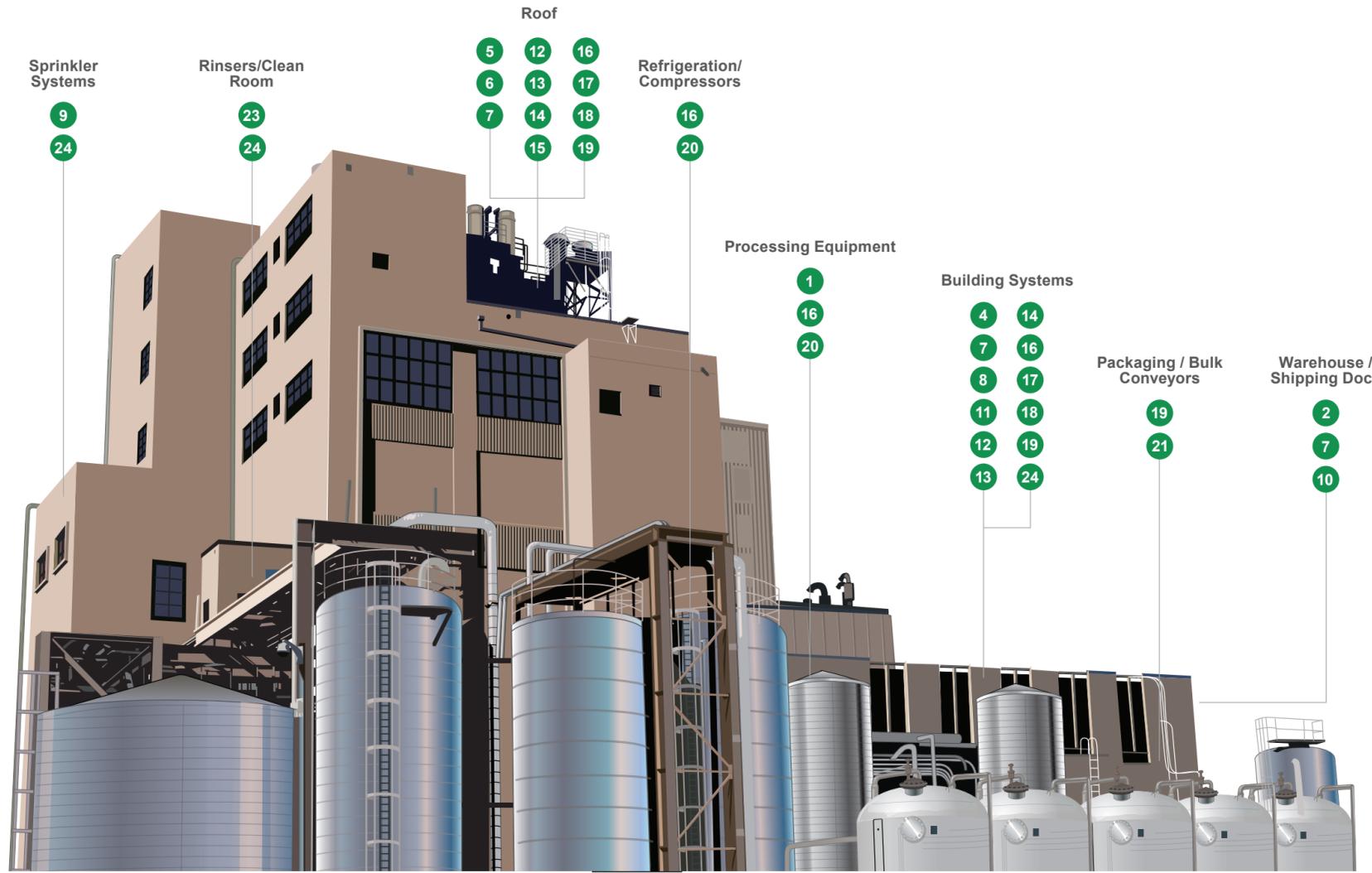
MRO—Beverage Industry 7/12

Nidec
NIDEC MOTOR CORPORATION

8050 W. Florissant Avenue | St. Louis, MO 63136
Phone: 888-637-7333 | Fax: 866-422-7758
www.nidec-motor.com | www.usmotors.com



We make it EASY for you to find and purchase U.S. MOTORS® brand replacement motors!



The U.S. MOTORS® brand NEMA Premium® line of high performance commercial and industrial motors is designed to help industry reduce energy consumption and comply with EISA regulations. This line features upgraded Open Drip-Proof and Totally Enclosed motors that meet or exceed NEMA Premium® requirements.

Product Overview (listed in alphabetical order)

- 1 ACCU-Torq® Vector Duty**

 - Three Phase, TENV
 - 1/4 – 20 HP
 - 56 – 256TC
 - 2000:1 Constant Torque
 - Three-year limited warranty* on inverter power
- 2 Air Circulator Motors**

 - Single Phase, OAO and TEAO
 - 1/15, 1/10 HP and 1/4 – 1/2 HP
 - 1800, 1200, and 900 RPM
 - 42 – 56 Frame
 - Single and two speed options
 - Oscillating and non-oscillating options
- 3 C-Face: ODP, TEFC and Hazardous Location**

 - Single Phase, Split Phase & Capacitor Start
 - Three Phase, Footed and Footless options
 - 1/12 – 60 HP
 - 3600, 1800 and 1200 RPM
 - 56 – 326 Frame
 - Standard, Energy and Premium Efficient
- 4 Close Coupled Pump**

 - Single and Three Phase, ODP, TEFC and Hazardous Location
 - 1 – 60 HP
 - 3600 and 1800 RPM
 - 143 – 326 Frame
 - JM and JP shafts available
- 5 Condenser Fans**

 - Single and Three Phase, OAO and TEAO
 - 1/10 – 2 HP
 - 1725, 1625, 1550, 1075 and 825 RPM
 - 48 and 56 Frame
 - Single and two speed
- 6 Cooling Tower**

 - Three Phase, TEFC and TEAO
 - 2 – 100 HP
 - 1800, 1200, 1800/900 and 1200/600 RPM
 - 145 – 447 Frame
 - Single and two speed
 - Energy efficient and NEMA Premium®/inverter duty
 - Meets specifications for Baltimore Aircoil Company,† Evapco® and Marley® cooling tower motors
- 7 Fan and Blower**

 - Single Phase, ODP, OAO and TEAO
 - 1/6 – 1-1/2 HP
 - 3450, 1725, 1075 and 825 RPM
 - Single, two, three and four speed
 - Belt drive and direct drive
- 8 Fan Coils**

 - Single Phase, OAO and TEAO
 - 1/10 – 3/4 HP
 - 1725 and 1075 RPM
 - 42 and 48 Frame
 - Single, two, three, four and five speed
 - Automatic reset thermal overload protector
- 9 Fire Pump Motor**

 - Three Phase, ODP
 - 7-1/2 – 250 HP
 - 3600 and 1800 RPM
 - 184 – 445 Frame
 - UL® listed for fire pump application
 - Available in horizontal frame and vertical JP close coupled pumps
- 10 Gate and Door Motors**

 - Single and Three Phase, ODP and TEFC
 - 1/3 – 1 HP
 - 1800 RPM
 - 56 and 56C Frame
- 11 Hot Water Circulator Pump**

 - Single and Three Phase, ODP
 - 1/12 – 1-1/2 HP
 - 1800 RPM
 - 48 and 56 Frame
 - Direct replacement motor for B&G®† (Bell & Gossett), Taco®† and Thrush®† brand circulator pumps
- 12 ODP and TEFC, Single Phase, Capacitor Start**

 - 1/8 – 10 HP
 - 3600, 1800 and 1200 RPM
 - 48 – 215 Frame
 - Rigid welded and cradle bases
 - C-Face Footed and Footless
 - Automatic or manual reset thermal overload protector options
- 13 ODP and TEFC, Single Phase, Split Phase**

 - 1/12 – 3/4 HP
 - 3600, 1800, 1200 and 900 RPM
 - 48 – 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
- 14 ODP, Three Phase**

 - 1/4 – 400 HP
 - 3600, 1800, 1200 and 900 RPM
 - 48 – 449 Frame
 - Energy and NEMA Premium® efficient
- 15 Package Terminal A/C Heat Pump**

 - Single Phase, OAO
 - 1/30 – 3/4 HP
 - 1625, 1050, 1100 and 925 RPM
 - 5.0", 5.6" and 6.3" diameter
 - Single, two, three and four speed
- 16 TEFC, Three Phase, 841 PLUS®**

 - 1 – 400 HP
 - 3600, 1800 and 1200 RPM
 - 143 – 447 Frame
 - Meets IEEE® 841 GM7E-TA specifications
 - Five-year limited warranty*
 - NEMA Premium® efficient
 - VBXX® bearing isolators by Inpro/Seal® help protect bearings
- 17 TEFC, Three Phase, CORRO-DUTY®**

 - 1 – 400 HP
 - 3600, 1800 and 1200 RPM
 - 143 – 447 Frame
 - All cast iron construction
 - NEMA Premium® efficient

- 18 TEFC, Three Phase, HOSTILE DUTY™**

 - 1 – 350 HP
 - 3600, 1800, 1200 and 900 RPM
 - 143 – 449 Frame
 - Energy and NEMA Premium® efficient
 - Cast iron frame and brackets
 - Ball and roller bearing options
- 19 TEFC, Three Phase, UNIMOUNT®**

 - 1/4 – 30 HP
 - 3600, 1800, 1200 and 900 RPM
 - 56 – 286 Frame
 - Energy and NEMA Premium® efficient
 - C-Face, Footed and Footless and removable base
- 20 TITAN® Vertical Solid Shaft and WP II Horizontal**

 - 150 – 4000 HP
 - 3600, 1800, 1200 and 900 RPM
 - 5000 – 9600 Frame
 - Energy and Premium efficient
 - Anti-friction or Sleeve bearing options
- 21 UNIMOUNT® Brake Motor**

 - Three Phase, TEFC with Brake Added
 - 1/3 – 20 HP
 - 1800 and 1200 RPM
 - 56 – 256 Frame
 - Rigid base, C-Face, Footed and Footless
- 22 Unit Heater**

 - Single Phase, TEAO
 - 1/15 – 3/4 HP
 - 1550 and 1075 RPM
 - 48 and 56 Frame
 - Cradle and stud mount
- 23 Washdown Motors**

 - Painted, Paint-Free and Stainless Steel
 - 1/2 – 10 HP
 - 3450, 1725 and 1150 RPM
 - 56 – 215 Frame
- 24 Water System Pumps**

 - Single and Three Phase, ODP and TEFC
 - 1/3 – 3 HP
 - 3600 and 1800 RPM
 - 48 and 56 Frame
 - C-Face, square flange and sump pump
 - Footed and Footless

†All marks shown within this document are properties of their respective owners.
*For details, refer to: www.usmotors.com