worldwideelectric.com
(800) 808-2131

Severe Duty Motors

- **Three-phase NEMA Premium Efficiency**
- **1-200 HP**
- **3600, 1800, and 1200 RPM**
- **230/460 Volt, 60 Hz**
- **Frame Sizes: 143 - 447**
- **Styles: T/TS/TC/TSC Options Available[1]**
- **1.15 Service Factor**
- **Inverter Duty, 10:1 CT / 20:1 VT at 1.0 SF**

SD MOTORS



Construction

- Totally Enclosed Fan Cooled (TEFC) Enclosure
- Rigid base or C-face with feet
- Cast iron frame, end shields, & conduit box
- Steel fan cover
- F1 mount (F1/F2 convertible)[2]
- Vacuum Pressure Impregnation (VPI) system
- Metal clad V-ring seals
- Spike resistant inverter-grade magnet wire, per NEMA MG1 Part 31
- Three-year warranty

Protection & Environmental

- IP55 Ingress protection
- Class F Insulation

Standards & Approvals

- Class I Division 2 Groups A, B, C, D, T3C Temp. Code

Options (May not be available for all models)

- Ball bearing on drive-end (DE) for direct coupled applications
- Roller bearing on drive-end (DE) for belted applications
- Insulated opposite drive-end (ODE) bearing
- Double drilled feet‡

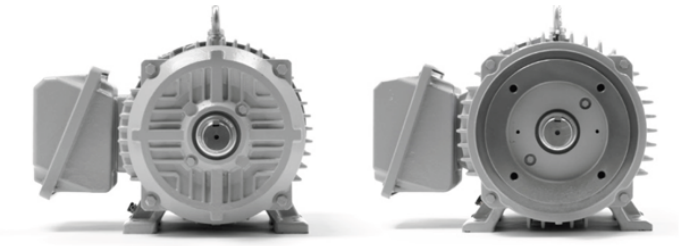
1 Not all combinations of HP, frame and styles may be possible.
2 Consult Product Catalog. Not all Frames sizes are convertible.

Applications

WorldWide Severe-duty electric motors specifically designed to operate reliably in harsh environments. They feature rugged construction, enhanced insulation systems, and superior sealing to withstand extreme conditions such as dust, moisture, corrosive chemicals, vibration, and high temperatures. Typical applications include:

- Mining and aggregate processing
- Pulp and paper mills
- Chemical and petrochemical plants
- Oil & gas facilities
- Wastewater treatment plants
- Cement and steel industries

These motors are ideal where continuous operation, high reliability, and long service life are critical despite severe environmental or operational stresses.



TEFC Rigid Base

C-Face with Feet

WORLDWIDE ELECTRIC CORPORATION

Responsive
Service & Technical Support

In Stock Availability
Nationwide Distribution

Quality Products
Competitive Pricing

Fast Shipping
Same-Day Available

Distribution Centers in Atlanta (GA), Dallas (TX), Hernando (MS), Indianapolis (IN), Milton (PA), Rancho Cucamonga (CA), Warrior (AL)

MEMBER EASA The Electro-Mechanical Authority

CEMA CONVEYOR EQUIPMENT MANUFACTURERS ASSOCIATION

PTDA Member



ELECTRIC MOTORS

For all Commercial, Industrial, and Manufacturing Applications

QUALITY PRODUCTS, COMPETITIVELY PRICED

- Compressor Duty
- Close-coupled Pump
- Explosion Proof
- Farm Duty
- General Purpose
- IEC Metric
- Jet Pump
- Marine Duty
- Oil Well Pump
- Open Drip Proof
- Permanent Magnet
- Severe Duty
- IEE841 PetroChem Duty
- Vertical Hollow Shaft
- Wash-down Duty (IP69k)

MOTOR CONTROLS

Variable Frequency Drive and Soft-starter Chassis and Packaged Solutions

APPLICATION SPECIFIC

- NEMA 1, 12, 3R, 4, 4X solutions
- VFD, Soft Starters, Across the Line Starters

ENCLOSED PANELS

- In-stock, ready to ship panels
- Standard enclosed panels
- Configurable packages
- Custom enclosed solutions
- Irrigation & pump packages
- VFD bypass panels

GENERAL PURPOSE CONTROLS

- Siemens, Hubbell, and WorldWide brands
- Contactors, auxiliary contact blocks, overload relays, alternator relays

GEAR REDUCERS

Proven Products to Provide Reliable Uptime

SERIES

- Shaft Mount Reducers
- Worm Gear Reducers
- Helical Bevel Reducers
- Parallel Shaft Helical Bevel
- Inline Helical Bevel

COMPATIBILITY

- Drop-in compatibility with other major reducer brands

SUITABILITY

- Delivering a broad array of output torque and speed

READY TO GO

- Pre-assembled, oil-filled*, ready to ship and install

GENERATORS

Reliability isn't just a convenience - Its a Lifeline

EXCEPTIONAL PERFORMANCE AND RELIABILITY

- Consistent power for standby and continuous-duty applications

APPLICATIONS

- Industrial
- Marine
- Irrigation
- Light Tower

WORLDWIDE® ELECTRIC CORPORATION