



Construction & Infrastructure

Reliable and Efficient Motors, Controls, Gear Reducers, and Generators

Reliable Equipment for Demanding Applications

From greenfield construction, infrastructure, and operations to demolition - Worldwide Electric's distributors partner with construction companies to ensure their equipment is operational and working as efficiently as possible — day-in, day-out. Construction applications often need heavy-duty, high-torque motors, high-power variable frequency drives or motor starters, and reliable generators. When supporting infrastructure, such as tunnels, bridges, and waterways, we have motors that drive fans and blowers for air extraction, motors to raise bridges, and pump water.



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Premium Efficient Motors for Sever Duty Applications

Our PEWWE Series Motors provide Reliable, high performance, and high starting and breakdown torques for high-impact, heavy-duty applications, such as crushing and compacting.

Quick Specs

- 1-500 hp | 3600, 1800, 1200, 900 rpm
- Totally Enclosed Fan Cooled (TEFC) Enclosure
- Frame size 143T to 586/7, rigid base or C-Face with feet (TC)
- Up to 1.25 Service Factor
- Inverter duty, 10:1 CT / 20:1 VT (1.0 SF)
- IP55 protection | Class F insulation
- CSA certified
- CC006A



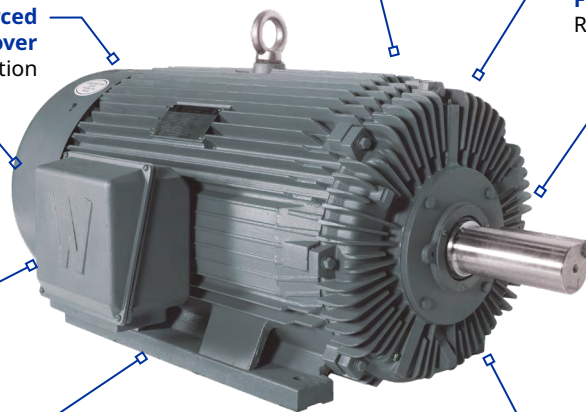
FC200 Density Cast Iron Frame
with extra thick, extra deep cooling ribs provide superior strength and heat dissipation

Heavy Reinforced Steel Fan Cover
Superior fan protection

Circlip (snap ring)
Safe and reliable operation on large motors

Junction Box Rubber Dust Curtain
Protects & filters dust

Elongated Foot
Reduces vibration & extends product life



Finned End Bells & Extra Bolts
Rugged durability & vibration reduction

Metal Clad V-Ring Seal
Protects bearings from moisture & contaminants

4140 High Tensile Strength Steel Shaft
with radius cut shafts & keyways to prevent shaft breakage

Drive End Roller Bearing
for heavy duty belt drive applications



Closed-couple Pump Motors

Totally Enclosed Fan Cooled (TEFC) or Open Drip Proof Close-coupled pump motors are designed to meet or exceed EISA 2007 requirements for premium efficiency, making them ideal for industrial pumping applications, such as centrifugal pumps requiring JM or JP shafts.



- 1 to 50 hp | 3600 and 1800 rpm
- TEFC | IP 55 protection | Cast iron frame
- ODP | IP 23 protection | Rolled steel frame
- TEFC | Stainless Steel | 1 - 20 hp | BISSC and BEAG Cert.

Chassis and Packaged, Motor Soft Starters and Variable Frequency Drives

We offer configured and fully customizable options for complete motor control. They are UL-compliant, assembled, tested, and ready for operation before shipment. The heavy-duty enclosure protects in the most demanding outdoor environments.



- NEMA 3R, 4, & 12 enclosure options
- Choice of WorldDrive VFD or WorldStart Soft Starters
- Control motors from 1 to 800 hp
- Multiple sizes, features and configuration options
- Standard options in-stock ready for immediate delivery



Gear Reducers

Our Shaft Mount, Worm, and Helical Bevel Gear Reducers directly replace existing equipment with quality and dependability, they are commonly used to transmit power to conveyors and material handling equipment.



Shaft Mount Gear Reducers

- Box sizes 2-12
- 9:1, 15:1, 25:1 ratios
- All cast iron housings
- 1 - 15/16" to 6 - 1/2" hollow output bores
- Metal reinforced, double lip spring loaded oil seals
- 2-3 year warranties
- Dimensionally equivalent to TXT Series

Worm Gear Reducers

- Right angle applications
- Box sizes 133 to 325
- 10:1 to 60:1 ratios
- All cast iron housings, carbon steel shafts and aluminum bronze gear
- Dimensionally equivalent to Boston 700 Series



Helical-Bevel Gear Reducers

- Box sizes 37 to 97 | 3/4 to 30 hp
- 2:1 to 120:1 ratios (plus custom)
- All cast iron housings
- Hollow output bores
- NEMA C-Face, no coupling required
- Dimensionally equivalent to most European brands



Helical-Inline Gear Reducers

- Box sizes 13 to 147 | 1/4 to 100 hp
- 2:1 to 120:1 ratios (plus custom)
- NEMA C-Face, no coupling required
- Dimensionally equivalent to European R Series brand



Across-the-Line Starters

Simple control devices for a wide range of applications.



- General Purpose Motor Starters accessories, parts, incl. Siemens Coils for NEMA Starters
- Siemens Class 14 NEMA Rated Motor Starters, Class 18 MCP and 3RE48 NEMA Rated Pump Controllers
- Solid State Overload Relays and Current Transformers

Generators

AC synchronous generators rated for standby or continuous duty to a wide range of equipment, such as pumping systems, pivot systems, and light towers. Built to IEC 600341-1 & -2 requirements, BS4990 & 5000, NEMA MG1 2006, CSA, and CE



Single & Double Bearing

- 4-2100 kW for industrial applications
- Self-ventilated for reliability
- Single-Phase or Three-phase
- Brushless 4 pole at 1800 RPM
- Brushless 2 pole at 3600 RPM

Pancake-style

- Ideal for lighttower applications
- 2-pole units, 60 Hz, 3600 RPM or 50 Hz, 3000 rpm
- 4-pole units, 60 HZ, 1800 RPM or 50 Hz, 1500 rpm
- Dual and single frequency model option