



WORLDWIDE
ELECTRIC CORPORATION

Water & Wastewater

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

Controlling the Movement of Water

It takes a lot of energy to move water, and the water industry relies on electric motors to do the moving. So for an industry that never stops, premium efficiency equipment designed and built to handle the pressures of daily use is a must-have.

We have what you need in stock and ready to ship. Contact your local distributor and motor shop and ask for Worldwide because continuous operations depend on the reliability and quality of your equipment.

Contact:

Call:

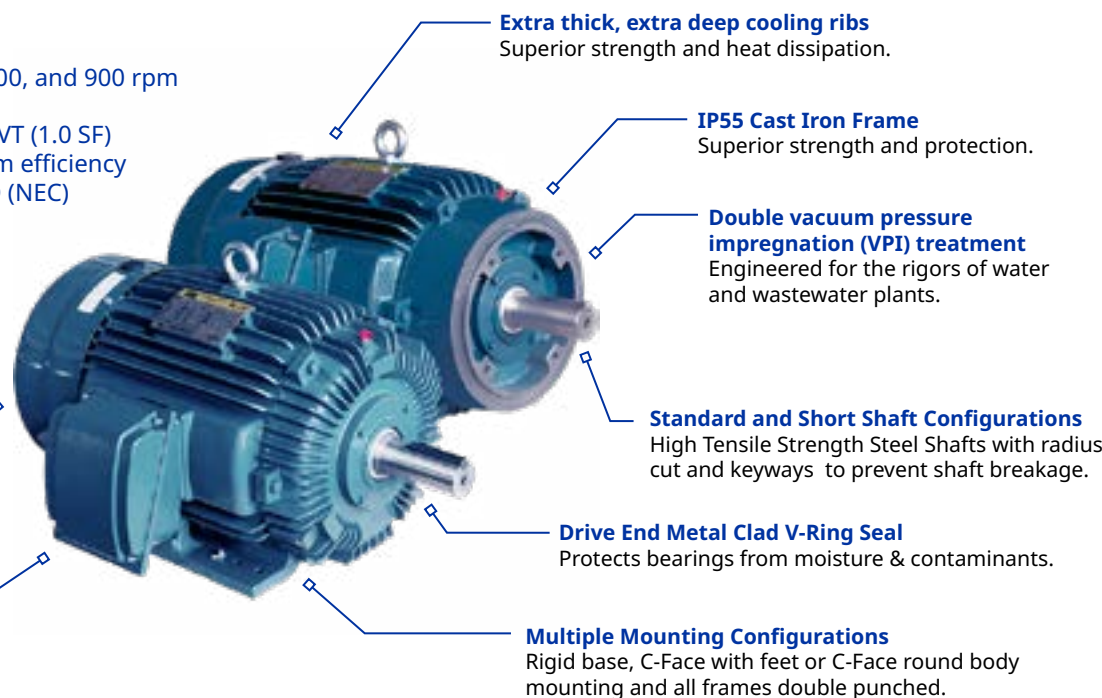
Email:

LAM IEEE 45 MARINE-DUTY MOTORS - TEFC

IEEE 45, inverter duty motors are rugged enough for wet environments and taxing conditions. They offer a three-year warranty and an impressive list of features.

Quick Specs

- 1 to 450 hp | 3600, 1800, 1200, and 900 rpm
- 1.25 Service Factor
- Inverter duty, 10:1 CT / 20:1 VT (1.0 SF)
- Design B and NEMA premium efficiency
- Class 1 Div. 2 Groups A,B,C,D (NEC)
- UR, CE, IEEE 45, CC306B
- Class F insulation



Extra thick, extra deep cooling ribs
Superior strength and heat dissipation.

IP55 Cast Iron Frame
Superior strength and protection.

Double vacuum pressure impregnation (VPI) treatment
Engineered for the rigors of water and wastewater plants.

Standard and Short Shaft Configurations
High Tensile Strength Steel Shafts with radius cut and keyways to prevent shaft breakage.

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

Multiple Mounting Configurations
Rigid base, C-Face with feet or C-Face round body mounting and all frames double punched.

Heavy Reinforced Steel Fan Cover
Superior fan protection.

Junction Box Rubber Dust Curtain
Protects and filters dust.

Closed-couple Pump Motors

Totally Enclosed Fan Cooled (TEFC) or Open Drip Proof Close-coupled pump motors 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
- 1.15 Service Factor
- Class F insulation
- TEFC | IP 55 protection | Cast iron frame
- ODP | IP 23 protection | Rolled steel frame

Premium Efficient, Severe Duty Motors

Reliable, high performance motors well-equipped to power anything from pumps, fans, compressors, blowers, and hydraulic power units.



Premium Efficient Severe Duty

- 1-500 hp | 3600, 1800, 1200, 900 rpm
- 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

Helical Gear Reducers

Our helical-inline and helical-bevel gear reducers offer quality and dependability and can directly replace existing equipment. They deliver a broad range of power and output torque to support various water and waste pumping applications.

Helical-Bevel Gear Reducers

- Box sizes 37 to 97 | ¾ to 30 hp
- 2:1 to 120:1 ratios (plus custom)
- All cast iron housings
- Hollow output bores
- NEMA C-Face, no coupling required
- Two-year warranty
- Dimensionally equivalent to most European brands



Helical-Inline Gear Reducers

- Box sizes 13 to 147 | ¼ to 100 hp
- 2:1 to 120:1 ratios (plus custom)
- NEMA C-Face, no coupling required
- Two-year warranty
- Dimensionally equivalent to European R Series brand



Vertical Hollow Shaft Motors

Designed for use in standard and high-thrust turbine pump applications, such as pivot systems, deep wells, and groundwater pumping applications. VHS motors offer premium efficiency, corrosion-resistant epoxy paint, epoxy-coated rotor and windings, and a felt end bell seal that protects from pump seal failure.



- Two-year warranty
- 10-500 hp | 1800 rpm
- IP23 weather protected enclosure
- Standard coupling size included
- Double thrust bearing design (100-500 hp) for deeper well applications

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



Generators

AC synchronous generators rated for standby or continuous duty to a wide range of equipment, such as pumping systems, and pivot systems.



- AC Synchronous
- Brushless 4-pole, self-ventilated alternators
- Double or single bearing
- 60 Hz at 1800 rpm or 50 Hz at 1500 rpm
- CSA approved