



Chemical & Petrochemical

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

Quality Products for a Diverse Range of Applications

Worldwide Electric's motors, controls, and speed reducers support the processing and production of various materials, from gases, liquids, and gels to bulk solids, powders, and granules.

Chemical and Petroleum processing is essential to a wide variety of industrial and consumer products, such as paints, coatings, adhesives, plastics, detergents, pesticides, and fertilizers, to name just a few. Our products support the production processes and the facility operations needed to manufacture these substances. We can help crush, convey, lift, pump, blow, extract, mix, and a great deal more.



Responsive
Service & Technical Support



Quality Products
Competitive Pricing



In Stock Availability
Warehouses Nationwide



Fast Shipping
Same-Day Available

(800) 808-2131

worldwideelectric.com

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.

Heavy Reinforced Steel Fan Cover
Superior fan protection.

Junction Box Rubber Dust Curtain
Protects and filters dust.

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

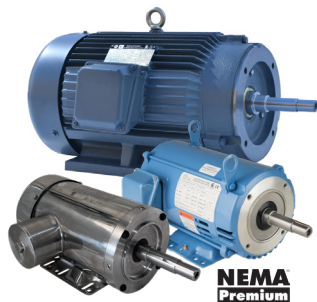


LOUIS ALLIS
A WORLDWIDE ELECTRIC COMPANY

See next page for
**Factory Re-certified Motors, Motor
Modifications, and Specialty Motors
from Louis Allis**

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.

Factory Re-certified Motors, Motor Modifications, and Specialty Motors

Louis Allis, a Worldwide Electric company, manufactures, modifies, and repairs a wide variety of Above NEMA AC and DC electric motors for large and specialty applications. We offer replacement options and repair options regardless of the OEM or complexity of the need. The Louis Allis team of specialty electric motor experts has decades of electric motor experience in design, manufacturing, repair, and troubleshooting.



General Purpose Motors

Totally Enclosed Fan Cooled (TEFC) 56C/56J Frame motors with IP43 protection. Rigid base, C-Face with removable base (CB), or C-Face round body (CRD) options.



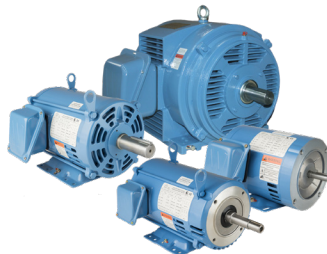
*NATE Series Only

Fractional TEFC Motors

- 115/230 Volt | 1/8 - 2 hp
- 230/460 Volt | 1 - 3 hp | Premium efficiency
- IP43 protection
- Rigid base, C-Face with removable base (CB), or C-Face round body (CRD)

Open Drip Proof Motors

- 1/2 to 200 hp
- 3600, 1800, and 1200 rpm
- 230/460 Volt at 60Hz | 1.15 SF
- Rolled steel frame (56 - 324/6T)
- Cast iron frame (364/5T - 444/5T)
- Double drilled feet (143T - 445T)
- IP 23 Protection



Explosion Proof Motors

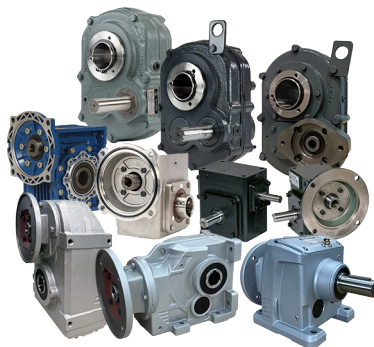
Totally Enclosed Fan Cooled Explosion Proof (TEXP) enclosure, designed for industrial applications with the presence of highly combustible, pervasive materials. Fully tested and certified for explosion proof classification in Class 1 Division 1 Groups C & D and Class 2 Division 1 Groups F & G.



- Totally Enclosed Fan Cooled Explosion Proof (TEXP)
- 1 to 300 hp | 3600, 1800, and 1200 rpm
- 230/460 Volt (1 to 100 hp), 460 Volt (125 to 200 hp)
- IP55 protection
- Rigid base (T/TS) or C-Face with feet (TC/TSC)
- Premium efficiency (1 to 200 hp)
- Inverter duty, 5:1 CT / 10:1 VT (1 to 200 hp)

Gear Reducers

Our full line of speed reducers will keep your operation running smoothly - featuring industrial-grade designs and drop-in compatibility with major brands meet the demands of almost any application. We offer worm gear reducers, helical bevel gear reducers, inline helical gear reducers, parallel shaft bevel gear reducers, shaft mount gear reducers.



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

