

PRODUCTS & CAPABILITIES

CUSTOM MOTORS

MADE IN THE USA 



REULAND
ELECTRIC MOTOR COMPANY

◆ AC MOTORS



Horsepower: Fractional through 300hp
Hertz: 60-50-40-25
RPM: 225 (32P) - 3600 (2P)
Voltages: Through 600VAC
Frames: T-Frame, U-Frame, and Pre U-Frame
Insulation: Minimum Class B
Enclosures: TEFC, TENV, ODP, A-TEFC
Duty Cycles: Continuous, Intermittent, and Custom
NEMA Designs: A, B, C and Crane & Hoist Design D - High Slip (5-8% or 8-13% Slip)
Windings: Hand wound copper with full phase to phase insulation
Optional: Cast iron construction available upon request

◆ **Construction Note:** Products with this icon are built with Standard Cast Aluminum (with iron bearing inserts) or iron or ductile iron

◆ SERIES 100 INVERTER DUTY & VECTOR DUTY MOTORS



Horsepower: 1 - 250hp
Enclosures: TEFC, TENV, A-TEFC
VFD Feedback: Available in open-loop and closed loop designs. Closed Loop designed for up to 1000:1 turndown, constant torque, full torque at zero speed
Unique Slot Designs to minimize cogging, heating and noise effects induced by the VFD at low frequencies

◆ WAFERTHIN MOTORS



Low Profile: Space-saving design
Horsepower: Fractional through 37hp
RPM: 1200 - 3600rpm
Enclosures: TENV or TEFC

ELEVATOR MOTORS



Speed: Variable Speed (VVVF), Single Speed or Two Speed AC Motor
Horsepower: 5 - 200hp replacement for DC Motors used in OEM, modernization projects. Many older DC Machines utilized special flange mount, single bearing designs that REULAND® has developed.
"Drop-In": flange mounted and foot mounted replacements for many major manufacturers: Westinghouse, Otis, Titan, Armor, Northern, Dover and others
Optional: Encoder and flexible coupling available

◆ BRAKE MOTORS



Horsepower: Fractional through 300hp (Based upon motor enclosure)
Enclosures: TEFC, TENV, ODP
Brake: Motor mounted direct acting REULAND® brake or customer specified brake can be provided. Brakes can be provided for all types of REULAND® manufactured motors.

◆ HYDRAULIC PUMP MOUNT MOTORS



Motors for the direct mounting of pump to the motor
2- Mounting Styles Available: Direct space-saving mounting to motor face or separate pump adapter for mounting to Standard Motor C-Face with 3-piece coupling
Waferthin Design and Double End Pump Mount: available on some models

PERMANENT MAGNET MOTORS



Precise Speed:

Precision speed control over the desired speed range for process or tension control

PM Motors by design provide precise speed control, higher efficiency and power factor

Frames: 56 - 365T

Horsepower: 1/4 - 50hp

RPM: Up to 18,000 Constant Torque

Voltage: Up to 600V

Enclosures: TEFC, TENV, TEBC, and Liquid Cooled

CRANE & HOIST MOTORS



Fractional to 350 horsepower, offering flexible speed configurations, including multi-speed, and duty ratings that range from standby to severe service. From 15-, 30-, and 60-minute designs to custom 120-minute and continuous-duty blower-cooled solutions. Available in both AC induction and wound rotor designs.

MARINE & MILITARY MOTORS



Applications: Designed to meet the various Military/Marine standards per IEEE-45, Navy Service A (Mil-DTL-17060G, Mil-S-901, Mil-STD-167-1, Mil-STD-740-1, Mil-STD-740-2, Mil-STD-2037, Mil-B-17931E), American Bureau of Shipping (ABS), or the U.S. Coast Guard Inspection Service.

NUCLEAR MOTORS



Nuclear motors are designed and built per the customers' specific requirements. Motors can withstand a radiation exposure of 10 to the 6 RADS for the life of the unit. On any nuclear environment submit complete application details.

**For the most up-to-date list of our Mil-Specs, visit:
www.reuland.com/milspecmotors*

HIGH SPEED MOTORS



Application: For high speed, low power, high power, low inertia, and high response machines and dynamometers.

Voltage: Up to 600V

Base Speed RPM: From 200rpm (36P) to 3600rpm (2P) with design speeds to 40,000rpm (or higher)

Frequency Range: Up to 2000HZ

Horsepower: 5hp - 600hp (dependent upon cooling & bearing lubrication)

Enclosures: TEFC, TENV, A-TEFC, ODP, and Liquid Cooled

Optional Bearing Configurations: Air Purged, Sealed, Shielded, Re-Greasable, Oil Jet Mist Lubed with regulator, pressure gauge and manifold

MAGNETIC DISC BRAKES



Mounting: Dependent upon model, REULAND® brakes are designed to mount to standard NEMA C-Face and shaft or for direct mounting to REULAND® motors only.

Direct Acting Magnetic Disc Brake: One moving part

Spring Set Electrically Released: Furnished with external manual release

Torque Range: 1.5 Ft-Lb to 500 Ft-Lb

Voltages: AC Standard, 3-Phase Single or Dual Voltage; DC Voltage available on some models

Adjustable or Non-Adjustable Torque dependent upon model

Enclosures: Standard, Dust-Tight, Water-Proof (DTWP) or Marine Duty

QUESTIONS? Contact us today at 1(888) 964-6411 or sales@reuland.com.

Learn more about our products & capabilities on our website: www.reuland.com.



Our products are ISO 9001 : 2015 certified.

CUSTOM MOTORS

WHEN OTHERS SAY OBSOLETE,
WE PROVIDE SOLUTIONS

- Multi-Speed
- Non-Standard Shafts
- Non-Standard Frames
- Wound Rotor
- Copper Bar Rotor
- Liquid Cooled
- High Frequency
- High Speed
- DC to AC Conversions
- High Torque

AC MOTOR DROP-IN REPLACEMENTS

- Save on Installation Costs
- Fits Existing Equipment—No Redesign Needed
- No Extra Fabrication Required (bases, riser blocks, couplings, etc.)

EASILY REPLACE LEGACY MOTORS

- Yale Hoist
- ACCO Wright
- Dresser Industries
- P&H Harnischfeger
- Lift-Tech
- Robbins & Myers
- Detroit Hoist
- Shaw-Box
- and more

OPTIONS FOR

Pre U-Frame • U-Frame • T-Frame

MODERNIZATION PROJECTS

- Wound Rotor Motor
- Pre U-Frame
- Inverter/Vector Duty
- DC to AC conversions
- U-Frame to same frame

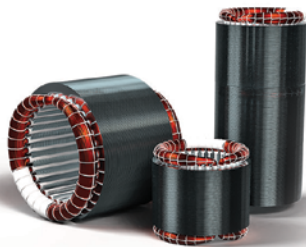
REVERSE ENGINEERING

No original plans? Reuland can reverse engineer your motor and provide a seamless replacement to keep you up and running.

CUSTOM CONFIGURATIONS

When an existing configuration cannot be matched, Reuland supplies custom transition bases for a perfect fit.

PARTIAL MOTORS



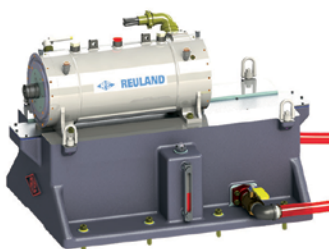
AC induction, squirrel cage stator and rotor sets. Partial motors range from small fractional hp to several hundred hp. The wound stator core is available either as a machined core or with a shell housing to match an existing diameter requirement. The rotor is available with standard or special machined bores. High speed designs are available up to 1500 hertz.

HYDRAULIC FLUID COUPLINGS



The hydraulic fluid coupling delivers smooth starting acceleration between the prime mover and driven load. Fluid couplings mechanically cushion the shock from equipment overloads, jamming, or sudden speed changes by increasing slip. The inherent slip characteristics of the fluid coupling allows motors to start nearly free of load and to accelerate the load to maximum torque. Available up to 15hp.

HIGH SPEED MOTOR CAST IRON TEST STAND



High speed motor test stand base. Heavy duty cast iron construction to absorb vibration better than steel. Precision ground mounting surface and built in reservoir complete with electronic fluid level sensor and sight glass. Computer FEA analyzed to eliminate structural frequency issues.

CHILLER & COOLING SYSTEMS



Reuland integrated chiller and cooling systems can be supplied with our liquid cooled motors. Whether the coolant is oil or water based, the chiller has been designed to provide optimum cooling for maximum motor performance. Both air and water cooled models come fully equipped and ready to install.

OUR FACILITIES



WINDING & ASSEMBLY

LA VERNE, CA

La Verne is our headquarters and motor manufacturing facility in the U.S. and focuses on winding technology and precision assembly of our electric motors. A complete test lab ensures all motors are exceeding performance requirements and are of the highest quality when received by the customer. Our winding and assembly team is supported by our electrical, mechanical and applications engineers.



ALUMINUM CASTINGS

CITY OF INDUSTRY, CA

Our City of Industry manufacturing facility includes a complete aluminum green sand foundry where we produce castings for electric motors, including frames, end bells, and many other components. Our casting capabilities include pattern design, prototyping, permanent mold, and no-bake sand casting... everything needed to house and protect our electric motors.



CNC MACHINING

BREA, CA

Our location in Brea specializes in CNC machining for all components of our motors including precision shafts, frames, end bells, terminal boxes, and other components. We can produce any motor component on demand allowing for faster motor builds and delivery.



MOTOR & BRAKE MANUFACTURING

HOWELL, MI

Howell is our primary facility in the U.S. and is the central hub for a wide range of critical operations. This facility encompasses lamination and motor core production, rotor die casting, motor winding, and complete motor assembly and testing. Additionally, this facility produces all magnetic brakes and fluid couplings, and is the headquarters for new product development and engineering.



**MANUFACTURED
IN-HOUSE**



**SHIPPED
GLOBALLY**



REULAND

ELECTRIC MOTOR COMPANY

Your electric motor experts. Contact us today.

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ALL OUR PRODUCTS ARE PROUDLY MADE IN THE USA 