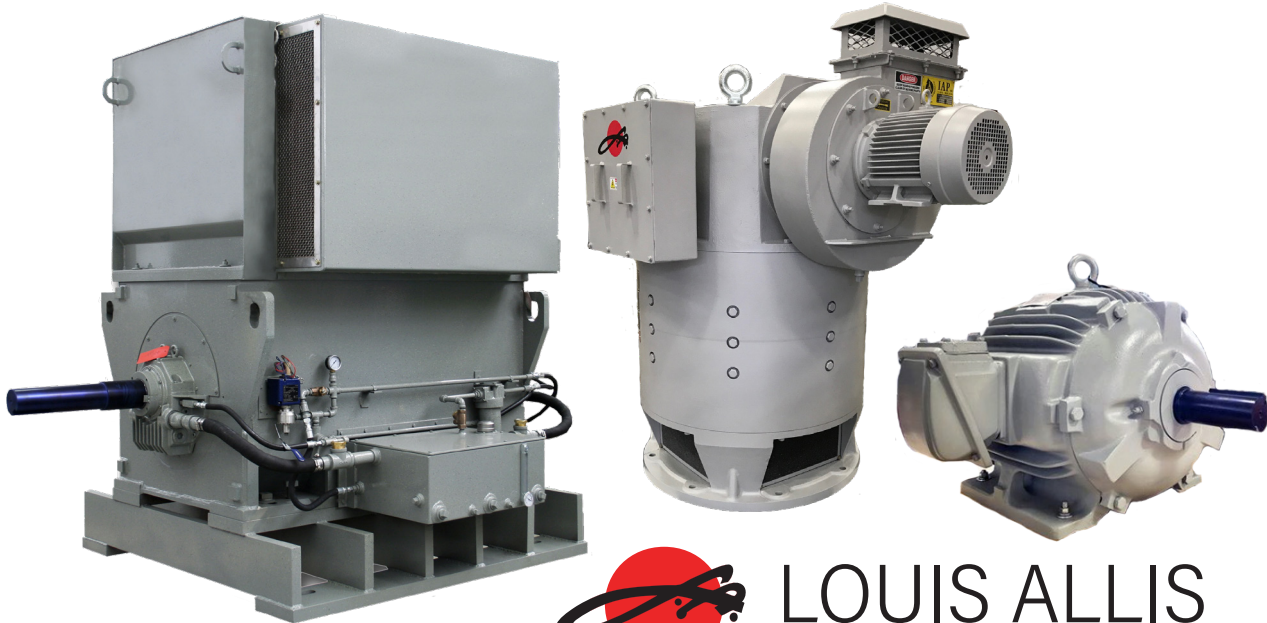




**WorldWide**  
ELECTRIC CORPORATION

(800) 808-2131  
**WORLDWIDEELECTRIC.COM**

**SPECIALTY  
MOTORS**



**LOUIS ALLIS**  
A WORLDWIDE ELECTRIC COMPANY

## Specialty Motor Manufacturing

### Custom Motors for Unique and Challenging Applications

With extensive design and engineering capabilities, Louis Allis specializes in manufacturing new motors as well as re-machining and modifying existing motors for the world's most unique and challenging applications. Louis Allis can customize the footprint, form, fit, and function of these specialty motors to meet the needs of almost any application up to 15,000 horsepower. Over the last century, Louis Allis has produced more than two million motors and more specialty motors than any other U.S. motor manufacturer.

#### Specifications

- Specialty motors specifically designed to meet the needs of your application
- Low, medium and high voltage motors up to 15,000 HP available
- Manufactured at Louis Allis' **ISO 9001:2015** certified facility in Warrior, Alabama

#### Louis Allis, A WorldWide Electric Company

WorldWide Electric Corporation acquired Louis Allis in March 2020, creating a single source for a full range of reliable standard off-the-shelf products, modified standard products, and full custom specialty products.

## Specialty Motor Manufacturing Capabilities

- Low, Medium, and High Voltage Up to 15,000 HP
- AC induction (Squirrel Cage)
- Wound Rotor
- Synchronous
- DC
- Vertical
- Design D (High Slip)
- Multi-Speed
- Shaker/Vibratory Duty
- Pancake Style
- Crusher/Pulverizer Duty
- Drill Rig Motors
- Compressor Duty
- Fan Duty (High Inertia)
- Centrifuge/Extractor Duty
- Mixer Duty
- Nuclear Applications
- Military Motors (MIL-SPEC)

## Common Modifications to Stock Motors

- Change Shaft Configurations
- Add Special Flanges, Brakes, Seals, Blowers, RTDs, or Encoders
- Rewind to Two-Speed Single Windings
- Redesign Rotors (Design D)
- Change Terminal Boxes to F3
- Fabricate New Endbells
- Add Screens to ODP Motors
- Change Grease Routings
- Machine Feet Off Frames
- Redesign from Ball to Sleeve Bearings
- De-Rate or Re-Rate Motors
- Rewind with Sealed System for Damp or Wet Environments

## Design Capabilities

### Electrical / Magnetic

- Squirrel Cage Induction
- Synchronous
- Wound Rotor Induction
- Slow Speed
- Special Duty Cycle
- High Torque
- Low Inrush

### Mechanical

- Rotor Dynamics
- Bearing System Selection
- Structural Integrity

### Re-Design

- Uprate
- Speed Change
- Voltage Change
- Efficiency Improvement

### Ventilation

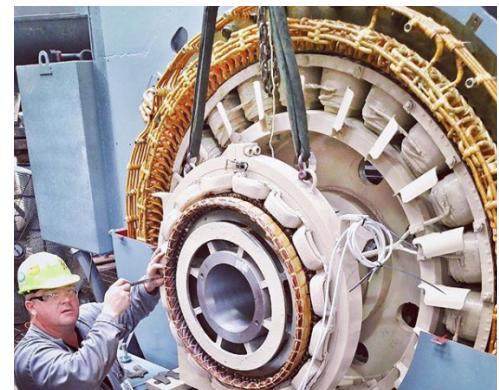
- Enclosure Modifications
- Air Flow Analysis and Design
- Environmental Protection
- Matching Legacy Designs

### Other

- Failure Analysis
- Drop-In Replacement Design
- Manufacturing Drawings

## Certifications

Louis Allis is an ISO 9001:2015 certified facility. Specialty motors can be manufactured to meet standards including NEMA MG, EASA-AR100, IEEE, and MIL-SPEC.



Installation of a 1500 HP Synchronous Specialty Motor



Louis Allis Custom Vertical Motor

## Additional Offerings from WorldWide Electric and Louis Allis

In addition to custom specialty motors, WorldWide Electric and Louis Allis offer standard off-the-shelf motors, motor controls, and gear reducers as well as factory recertified motors. Off-the-shelf products are stocked at WorldWide Electric's seven regional U.S. warehouses and available with fast, often same-day, shipping.

- WorldWide Electric & Hyundai Electric Low-Voltage Motors
- Variable Frequency Drives
- Definite Purpose Control Products
- Factory Recertified Motors
- Soft Starts
- Gear Reducers



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators as well as the exclusive master distributor of Hyundai Electric's low-voltage motors and drives. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.

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