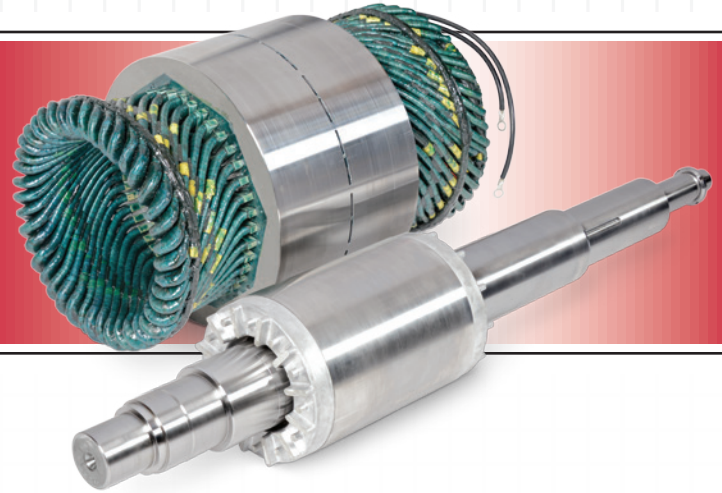


# Hermetic Motors



## Hermetic Compressor Motors for Commercial Chillers

When refrigerant-cooled motor applications call for high performance, superior reliability, and compatibility with the harshest refrigerant environments, Baldor•Reliance hermetic motors offer a complete solution.

Baldor•Reliance relies on more than 40 years of field experience in the hermetic industry to develop compact, power-dense, refrigerant-cooled motors offering prolonged life and reduced equipment size compared with air-cooled motors of the same output rating.

### Typical Applications:

#### Centrifugal chillers:

- Industrial applications for chilled water, chilled glycol, and heat recovery for industrial comfort & process cooling in factories, large office buildings, retail, and institutional settings. Rated capacities of 130 through 1720 Tons (ARI).

#### Helical-Rotary/Screw Chillers:

- Industrial and Commercial applications for chilled water, chilled glycol and heat recovery for comfort cooling, process cooling, and ice/thermal storage in schools, hospitals, retailers, office buildings, and smaller industrial settings.
- Rated capacities of 120 through 500 Tons (ARI)

### Features:

- Polyphase induction motors, 120 HP — 2000+ HP, 200 V up to 13.8 kV; 50 & 60 Hz
- Typical stator diameters from 13.4" to 31" (340 to 787 mm)
- Highly engineered, reliable designs built with world-class manufacturing technologies
- Extensive field and testing experience with hermetic motors operating on variable frequency drives
- Engineered insulation systems for high corona inception levels and high dielectric strength
- Insulation systems compatible with the latest HCFC and HFC refrigerant and oil combinations
- Application proven die-cast aluminum rotors, with or without motor shaft
- Meets UL Standard 984 for Hermetic Refrigerant Motor-Compressors
- Choice of thermal protection devices

**BALDOR**<sup>®</sup>

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