

HERMETIC MOTORS

Hermetic Compressor Motors for Large Commercial Chillers

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

Take advantage of these benefits by designing a proven Reliance hermetic motor into your most demanding large commercial applications.

162 to 2000+ HP Frames H360 – H5800:

- Reliance offers hermetic motors and power-matched motor/drive packages optimized for screw and centrifugal chillers used in the air conditioning of large commercial buildings and industrial process cooling. Reliance is the market leader in hermetic motors and liquid-cooled drives for large centrifugal chillers.
- Reliance relies on more than 40 years of field experience in the hermetic industry to develop compact, power-dense, refrigerant-cooled motors that offer prolonged life and reduced equipment size compared with air-cooled motors of the same output rating.

Features:

- Highly engineered, reliable designs built with world-class manufacturing technologies
- Polyphase induction motors, 200 V through 6.9 kV; 50 & 60 Hz
- Die-cast aluminum rotors, with or without motor shaft
- Insulation systems compatible with the latest CFC, HCFC, and HFC refrigerant and oil combinations
- UL component recognition.
- Meets UL Standard 984 for Hermetic Refrigerant Motor-Compressors



- Stator diameters available in standard industry and custom sizes to optimize motor/compressor performance
- Choice of thermal protection devices
- Void-free varnish for high corona inception levels and dielectric resistance

Power-Matched Motors & Drives:

- Electrical designs optimized for operation on adjustable frequency drives
- Optimized frequency/pole combinations for lowest-cost motor/drive packages
- Single-source responsibility
- Extensive field and testing experience with hermetic motors operating on variable frequency drives

Standard Product Offering*:

RELIANCE FRAME SIZE	NOMINAL STATOR OD	VOLTAGE RANGE
H360	15.6"	200 – 600 V
H400	17.0"	200 – 600 V
HE440	20.0"	200 – 6.9 kV
H5000	23.0"	200 – 6.9 kV
H5800	27.0"	200 – 6.9 kV

*Custom sizes available

- Aggregate/Cement
- Food
- Mining
- Forest/Paper
- Petro/Chem
- Unit/Baggage Handling
- ✓ HVAC/Industrial Air Handling
- Environmental/Fluid Power
- Automotive
- Metals

www.baldor.com www.ptplace.com www.dodge-pt.com www.reliance.com



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This material is not intended to provide operational instructions. Appropriate instruction manuals and precautions should be studied prior to installation, operation or maintenance of equipment.