

HERMETIC MOTORS

Hermetic Compressor Motors for Small 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 small commercial applications.



8 to 255 HP Frames H180 – H320:

- Reliance offers hermetic motors and power-matched motor/drive packages designed specifically for positive displacement compressors used in chillers to cool small commercial buildings and larger low-rise buildings.
- 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 600 V; 50 & 60 Hz (base)
- Die-cast aluminum rotors
- 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	TYPICAL OUTPUT RANGE (HP)
H180	7.8"	8 - 20
H200	8.78"	25 - 60
H250	10.12"	80 - 130
H300	12.38"	125 - 175
H320	13.38"	175 - 255

*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.