



06DR718 5HP Semi Hermetic Refrigeration Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06DR718
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union,T/T
- Supply Ability: 100PC



Product Specification

- Commercial Refrigeration: HVAC&Cooling Units
- Horse Power: 5HP
- Compressor Type: Semi Hermetic Piston
- Refrigerant: R22, R134a, R404A, R407C, R507, R407A
- Condensertype: Air-cooled
- Highlight: **5HP semi hermetic refrigeration compressor, semi hermetic compressor with warranty, 06DR718 refrigeration compressor 5HP**



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Product Description

06DR718 5HP Semi Hermetic Refrigeration Compressor

Enhancing Cold Chain Reliability with Swedish Steel Valving

Designed for commercial cold storage and food processing setups, this high-efficiency **semi hermetic refrigeration compressor** provides steady cooling capacity across medium and low-temperature applications. It resolves baseline industry pain points, such as capacity degradation during peak thermal hours, by utilizing low-pressure valve plates manufactured from Swedish steel alongside high-flow suction ports. Additionally, contoured piston heads matched with vented connecting rods optimize cylinder clearance and maintain continuous bearing lubrication for superior long-term performance.

Eliminating Motor Burnouts and Cold Start Wear

Fluctuating operating pressures and cold starts frequently cause lubricant dilution and severe internal wear in commercial refrigeration systems. This durable **semi hermetic refrigeration compressor** eliminates these operational risks through an oversized oil sump that prevents crankcase oil levels from dropping below safe thresholds upon startup. Supported by an automatic bidirectional vane oil pump and a 50% suction cutoff unloading mechanism, the unit operates at much lower temperatures than conventional hot gas bypass configurations.

Maximizing Motor Cooling and Heavy-Duty Bearing Strength

Engineered for continuous commercial duty, the system incorporates enlarged suction gas channels that minimize internal turbulence and pressure drops while maximizing motor cooling efficiency. The main bearing surfaces feature steel-backed aluminum alloy or tin babbitt construction, ensuring extraordinary load capacity and superior resistance against liquid slugging and thermal breakdown, ensuring every **semi hermetic refrigeration compressor** delivers continuous operational lifespan.

Product Image



Technical Specification

Parameter Name	Standard Specifications
Model	06DR718
Nominal Power	5 HP
Refrigerant Type	R22, R134a, R404A, R407C, R507, R407A
Rated Current	8.6 A
Oil Charge	2.1 L
Weight	113 kg

Company Introduction

Ruifujie brings over 20 years of technical expertise to the industrial cooling industry, manufacturing premium scroll, piston, rotary, semi-hermetic, and screw refrigeration compressors alongside complete cold storage solutions and commercial ice machines. We offer comprehensive OEM/ODM customization services to adapt equipment to localized voltage standards and regional engineering requirements. Our equipment is exported worldwide to key international markets, including Russia, the United States, and Saudi Arabia.



FAQ

Q1: What are the exact displacement rate and connection port sizes for the 06DR718 model?

A1: The 06DR718 compressor yields a displacement of 25.80 m³/h at 1450 rpm, equipped with a 35 mm (1-3/8 in) suction port and a 22 mm (7/8 in) discharge port for standard pipeline fitting.

Q2: How does the 50% capacity modulation benefit partial thermal load operations?

A2: The suction cutoff unloading system deactivates suction to specific cylinders during low cooling demand, lowering electricity consumption and operational temperatures far more efficiently than hot gas bypass designs.

Q3: What internal protections prevent motor burnout under high operating pressure?

A3: The motor features advanced insulation systems and enlarged suction gas cooling passages, keeping winding temperatures low even during demanding high-ambient conditions.

Q4: What is your MOQ policy for in-stock and customized orders?

A4: For standard models in stock, there is no minimum order quantity restriction, and single units can be ordered. MOQ for customized bulk orders can be negotiated based on project details.

Q5: What are your accepted trade terms and payment methods for international transactions?

A5: We standardly operate under FOB Shenzhen or EXW terms settled in USD. Accepted payment methods include TT (Telegraphic Transfer) and Western Union.

Custom Sizing Guidance & Technical Consultation

Matching the exact thermal load requirement is critical to extending equipment life and minimizing operating costs for every **semi hermetic refrigeration compressor** installation. Ruifujie's engineering staff provides detailed technical sizing and system compatibility reviews tailored to your specific cold storage environment.

Please submit your required project parameters, operating temperatures, and estimated purchasing quantity, and our engineering team will return a precise proposal within 8 hours.



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