



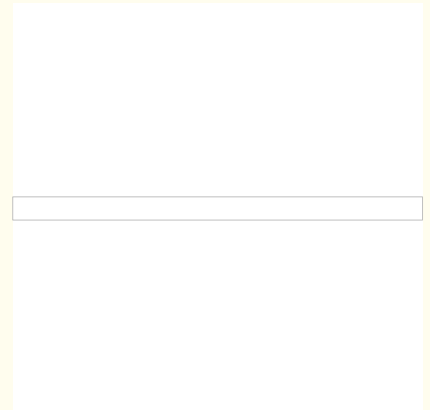
06CC017 5HP Industrial Chiller Reciprocating Compressor

Our Product Introduction

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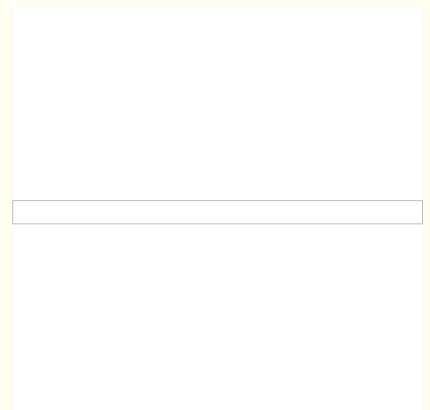
Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06CC017
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union,T/T
- Supply Ability: 100PC

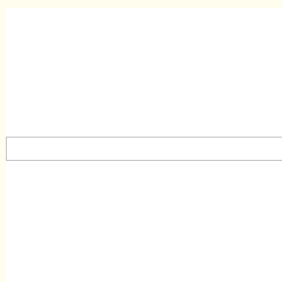
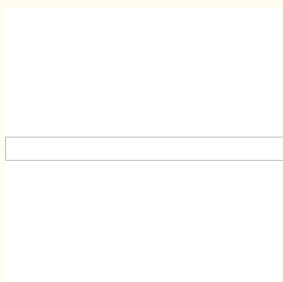


Product Specification

- Compressor Type: Semi Hermetic Reciprocating
- Condensertype: Air-cooled
- Commercial Refrigeration: HVAC&Cooling Units
- Refrigerant: R22, R404A, R507
- Horse Power: 5HP
- Highlight: **5HP industrial chiller compressor, reciprocating semi hermetic compressor, 06CC017 industrial chiller compressor**



More Images



Product Description

06CC017 5HP Industrial Chiller Reciprocating Compressor

Two-Stage Compression Technology for Low-Temperature Efficiency

Engineered specifically for extreme low-temperature cold storage and industrial freezing, this advanced chiller reciprocating compressor features a specialized two-stage compression design built within a single compact housing. Utilizing 6 cylinders—4 cylinders dedicated to the low-pressure stage and 2 cylinders to the high-pressure stage—it provides higher energy efficiency and cooling capacity compared to single-stage low-temperature units.

An integrated plate heat exchanger subcooler enhances liquid subcooling, allowing for smaller refrigerant lines and reduced total system refrigerant charge while maintaining exceptional capacity stability even under fluctuating pressure conditions.

Lower Compression Ratios and Extended Equipment Lifespan

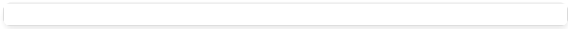
By dividing the total compression process across two stages inside one body, this heavy-duty chiller reciprocating compressor operates at significantly reduced compression ratios per stage. This low-compression-ratio design drastically reduces internal mechanical stress, lowers operating temperatures, and eliminates the need for a separate booster compressor or independent subcooler skid.

The result is an economical, highly reliable refrigeration core that ensures smooth, continuous performance under demanding low-temperature industrial workloads.

Universal Eco-Refrigerant Compatibility and UL Certification

Built for global deployment, this robust chiller reciprocating compressor is fully approved and certified under UL standards for eco-friendly refrigerants including R22, R404A, and R507, making it an ideal replacement choice for older R502 and R12 installations.

Built with a heavy-duty 150 kg frame and a generous 4.5 L lubricant reservoir, it ensures dependable bearing protection and optimal oil circulation across demanding low-temp refrigeration cycles.



Technical Specifications

Model	06CC017
Nominal Power	5 HP
Refrigerant Type	R22, R404A, R507
Rated Current	8.7 A
Oil Charge	4.5 L
Weight	150 kg

Company Introduction

Ruifujie is a modern, high-tech enterprise specializing in supplying premium scroll, reciprocating, semi-hermetic, and screw refrigeration compressors, alongside complete cold room solutions and ice machinery. We offer full OEM/ODM customization services to accommodate localized voltage standards and regional engineering requirements.

Our equipment is exported to major international markets, including Italy, Vietnam, and Saudi Arabia. Supported by strong technical expertise, Ruifujie maintains long-standing partnerships with global equipment distributors and contractors, earning high acclaim across international B2B refrigeration markets.



Frequently Asked Questions

Q1: What are the primary advantages of a two-stage compressor like the 06CC017 compared to single-stage models?

A1: The 06CC017 splits compression into two stages within one body, resulting in much lower compression ratios per stage. This reduces operating temperatures, optimizes energy efficiency, and delivers stable cooling capacity without requiring separate booster compressors.

Q2: What is the function of the built-in subcooler in the 06CC series?

A2: The integrated plate heat exchanger subcooler significantly increases liquid refrigerant subcooling, allowing system designers to use smaller liquid pipe diameters and reduce the total refrigerant charge needed for the circuit.

Q3: What are the exact displacement specifications for the low and high pressure stages?

A3: At 1450 rpm, the low-pressure stage provides a displacement of 18.0 m³/h, while the high-pressure stage provides a displacement of 9.0 m³/h.

Q4: What certifications and refrigerants are supported by this compressor model?

A4: The 06CC017 is UL-approved and engineered for R22, R404A, and R507 refrigerants, making it an excellent upgrade/replacement for traditional R502 and R12 systems.

Q5: How is this compressor unit packaged for international shipping?

A5: Each compressor is securely bolted onto a heavy-duty wooden pallet, sealed in anti-corrosion moisture-proof film, and housed in an export-grade wooden crate to guarantee protection during transit.

Low-Temperature System Sizing & Custom Procurement

Selecting the right two-stage chiller reciprocating compressor is crucial for optimizing energy usage and maintaining ultra-low temperatures in commercial and industrial cold storage systems. Ruifujie provides technical consultation, system matching, and custom electrical configurations tailored to your regional market.

Please send your detailed project parameters, operating temperatures, target refrigerant, and required quantity today, and our engineering team will provide a formal proposal within 8 hours.

 **Shenzhen Coolstart Refrigeration Equipment Co., Ltd**



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