



06CC675 20HP Low Temperature Reciprocating Semi Hermetic Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06CC675
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union,T/T
- Supply Ability: 100PC

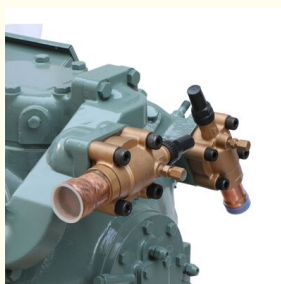


Product Specification

- Commercial Refrigeration: HVAC&Cooling Units
- Horse Power: 20HP
- Compressor Type: Semi Hermetic Reciprocating
- Refrigerant: R22, R404A, R507
- Condensertype: Air-cooled
- Highlight: 20HP semi hermetic compressor,
low temperature reciprocating compressor,
06CC675 semi hermetic compressor



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Product Description

06CC675 20HP Low Temperature Reciprocating Semi Hermetic Compressor

Two-Stage High-Displacement Cooling Performance

Designed for heavy-duty commercial cold storage, industrial freezing, and low-temperature process cooling, this 20HP reciprocating semi hermetic compressor features an advanced two-stage compression system within a single compact body. Utilizing 6 cylinders—4 cylinders for low-pressure compression and 2 cylinders for high-pressure compression—it delivers an impressive low-stage displacement of 71.2 m³/h and high-stage displacement of 35.6 m³/h at 1450 rpm. An integrated subcooler heat exchanger maximizes liquid subcooling, allowing systems to operate with reduced refrigerant charge while maintaining stable cooling capacity.

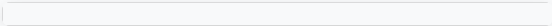
Reduced Compression Ratios and High Operating Stability

By dividing the total pressure elevation into two stages within a single housing, this reciprocating semi hermetic compressor operates at significantly lower compression ratios per cylinder. This design reduces internal mechanical friction, lowers operating temperatures, and eliminates the need for separate booster units or complex supplementary subcooler skids. As a result, it prevents thermal oil breakdown and lowers overall electrical consumption during low-temperature operation.

Eco-Friendly Refrigerant Support and Heavy Frame Construction

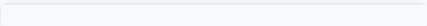
Engineered for demanding international cooling standards, this high-efficiency reciprocating semi hermetic compressor is UL-approved and optimized for eco-friendly refrigerants including R22, R404A, and R507. Supported by a robust 243 kg cast-iron structure, high-flow Swedish steel valve plates, and a generous 9.0 L lubricant reservoir, it delivers exceptional bearing protection and reliable continuous duty across industrial refrigeration installations.

Product Image



Technical Specifications

Model	06CC675
Nominal Power	20 HP
Refrigerant Type	R22, R404A, R507
Rated Current	40 A
Oil Charge	9 L
Weight	243 kg



Company Introduction

Ruifujie is a modern industrial refrigeration supplier with over 20 years of manufacturing experience, specializing in high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, as well as complete cold room units and ice machines. We offer comprehensive OEM/ODM customization services to meet distinct regional voltage standards and engineering specifications. Our equipment is exported worldwide to major international markets, including Argentina, Egypt, and Indonesia, earning consistent praise and long-term trust from global refrigeration contractors.



Frequently Asked Questions

Q1: What are the exact displacement specifications for the low and high pressure stages of the 06CC675?

At 1450 rpm, the 06CC675 model provides a low-pressure stage displacement of 71.2 m³/h across 4 cylinders and a high-pressure stage displacement of 35.6 m³/h across 2 cylinders.

Q2: How does internal two-stage compression benefit low-temperature freezing setups?

By splitting compression across two stages inside one body, compression ratios per cylinder stage are drastically reduced, lowering operating temperatures and saving power compared to single-stage units.

Q3: What electrical ratings are specified for the 06CC675 compressor unit?

The compressor operates on 400V-3-50 / 460V-3-60 dual voltage, featuring a Rated Load Amperage (RLA) of 40.0 A and a Locked Rotor Amperage of 173/104 A.

Q4: What is the standard lead time for bulk production orders?

Standard bulk production orders are completed and ready for dispatch within 10 to 15 working days, while stocked sample units can be shipped within 3 business days.

Q5: How is this heavy 243 kg compressor unit packaged for safe ocean transport?

Each compressor unit is securely bolted onto a reinforced wooden pallet, wrapped in moisture-proof anti-corrosion film, and fully enclosed in a heavy-duty export plywood crate.

Custom Bulk Procurement

Selecting the right two-stage reciprocating semi hermetic compressor model is essential to optimizing system energy performance and ensuring continuous deep-freezing operations. Ruifujie provides technical consultation, precision component matching, and flexible OEM customization tailored to your project requirements. Please submit your project parameters, working temperatures, target refrigerant, and required order quantity today, and our engineering team will provide a formal quotation within 8 hours.

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



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