



## 06CC337 10HP R22 R404A R507 Two Stage Semi Hermetic Reciprocating Compressor

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06CC337
- 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

- Horse Power: 10HP
- Compressor Type: Semi Hermetic Reciprocating
- Condensertype: Air-cooled
- Refrigerant: R22, R404A, R507
- Commercial Refrigeration: HVAC&Cooling Units
- Highlight: **10HP semi hermetic compressor, R22 R404A R507 two stage compressor, semi hermetic reciprocating compressor**



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Product Description

06CC337 10HP R22 R404A R507 Two Stage Semi Hermetic Reciprocating Compressor

Advanced Two-Stage Compression for Low-Temperature Performance

Engineered specifically for heavy-duty commercial cold storage and deep-freezing applications, this 10HP carrier semi hermetic reciprocating compressor utilizes an advanced two-stage compression mechanism housed within a single compact body. Featuring 6 cylinders—4 cylinders for low-pressure compression and 2 cylinders for high-pressure compression—it delivers a low-stage displacement of 42.0 m³/h and high-stage displacement of 21.0 m³/h at 1450 rpm. An integrated plate heat exchanger subcooler maximizes liquid subcooling, allowing systems to operate with reduced refrigerant charge while maintaining exceptional thermal capacity under severe freezing conditions.

Reduced Compression Ratios and Extended Equipment Lifespan

By dividing total pressure elevation across two distinct stages inside one housing, this high-performance carrier semi hermetic reciprocating compressor operates at substantially lower compression ratios per stage. This reduced compression ratio minimizes internal mechanical friction, lowers discharge gas temperatures, and eliminates the necessity for external booster units or supplementary subcooler skids. Consequently, it protects crankcase lubrication integrity and extends operational life under extreme low-temp workloads.

Eco-Refrigerant Compatibility and Heavy-Duty Frame

Built for global refrigeration standards, this robust carrier semi hermetic reciprocating compressor is fully UL-approved and optimized for environmentally friendly refrigerants including R22, R404A, and R507. Supported by a robust 156 kg cast-iron housing, high-flow Swedish steel valve plates, and a generous 4.5 L lubricant reservoir, it delivers exceptional bearing protection and reliable continuous service in industrial refrigeration systems.

Product Image



Technical Specifications

|                  |                  |
|------------------|------------------|
| Model            | 06CC337          |
| Nominal Power    | 10 HP            |
| Refrigerant Type | R22, R404A, R507 |
| Rated Current    | 14.9 A           |
| Oil Charge       | 4.5 L            |
| Weight           | 156 kg           |



Company Introduction

Ruifujie brings over 20 years of manufacturing expertise to the global refrigeration sector, supplying high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, along with complete cold storage units and ice machinery. We offer full OEM/ODM customization services to adapt equipment to localized voltage standards and regional engineering requirements. Supported by competitive factory-direct pricing, our products are exported worldwide to major international markets, including Egypt, the United Arab Emirates, and Vietnam.



## Frequently Asked Questions

**Q1: What are the exact low-pressure and high-pressure stage displacement figures for the 06CC337 model?**

A1: At 1450 rpm, the 06CC337 compressor yields a low-pressure stage displacement of 42.0 m<sup>3</sup>/h across 4 cylinders and a high-pressure stage displacement of 21.0 m<sup>3</sup>/h across 2 cylinders.

**Q2: How does the two-stage cylinder arrangement improve low-temperature freezing efficiency?**

A2: By dividing compression into two stages, compression ratios per cylinder are drastically reduced, which lowers operating temperatures and saves power compared to single-stage units.

**Q3: What eco-friendly refrigerants are approved for use with the 06CC337 model?**

A3: The 06CC337 compressor is UL-approved and engineered for eco-friendly refrigerants including R22, R404A, and R507.

**Q4: What is the Minimum Order Quantity (MOQ) for this compressor model?**

A4: For standard models in stock, our Minimum Order Quantity (MOQ) is 1 unit.

**Q5: How fast can I receive a formal price quote for bulk procurement?**

A5: Once you submit your required operating parameters and target order quantity, our engineering team will provide a formal quotation within 8 hours.

## Low-Temperature System Sizing & Custom Procurement

Selecting the right two-stage carrier semi hermetic reciprocating compressor is essential to optimizing energy performance and maintaining stable deep-freezing conditions in industrial facilities. Ruifujie provides technical consultation, precision component selection, and customized OEM solutions tailored to your engineering requirements. Please send us your project parameters, operating temperatures, preferred refrigerant, and estimated quantity today, and our engineering team will issue a comprehensive technical proposal within 8 hours.

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

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