



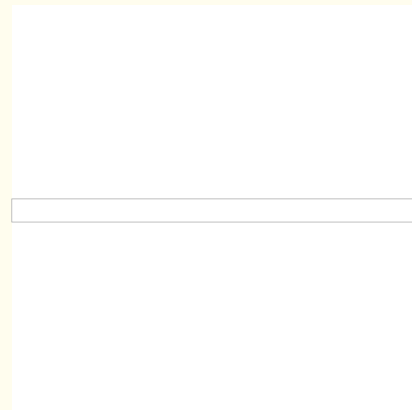
06CC228 7.5HP Two Stage Refrigeration Semi Hermetic Compressor

Our Product Introduction

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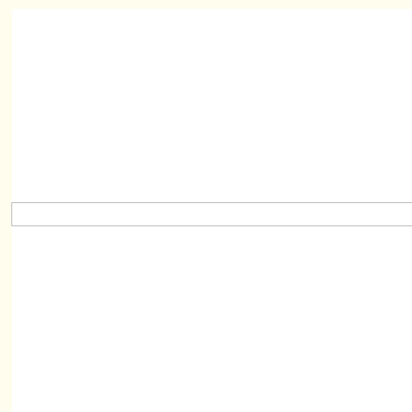
Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06CC228
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union,T/T
- Supply Ability: 100PC

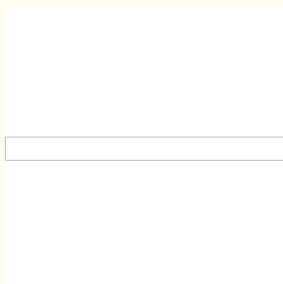
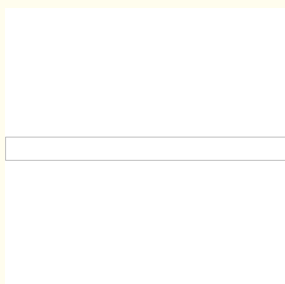


Product Specification

- Commercial Refrigeration: HVAC&Cooling Units
- Horse Power: 7.5HP
- Compressor Type: Semi Hermetic Reciprocating
- Refrigerant: R22, R404A, R507
- Condensertype: Air-cooled
- Highlight: **7.5HP semi hermetic compressor, two stage refrigeration compressor, 06CC228 semi hermetic compressor**



More Images



Product Description

06CC228 7.5HP Two Stage Refrigeration Semi Hermetic Compressor

Product Overview

Two-Stage Efficiency for Industrial Low-Temperature Cooling

Designed for heavy-duty commercial cold storage and deep-freezing applications, this 7.5HP carrier semi hermetic compressor utilizes an advanced two-stage compression mechanism built 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 31.7 m³/h and high-stage displacement of 15.9 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.

Lower Stage Pressure Ratios and Extended Reliability

By dividing total compression work into two distinct stages in one body, this carrier semi hermetic compressor operates at significantly lower compression ratios per cylinder. This optimized internal pressure balance reduces mechanical stress, lowers discharge temperatures, and eliminates the need for separate booster compressors or external subcooler modules. The result is a highly durable refrigeration core that prevents oil breakdown and ensures continuous, low-temperature operation.

Eco-Refrigerant Compatibility and Heavy-Duty Frame

Built to comply with global environmental standards, this high-efficiency carrier semi hermetic compressor is UL-approved and fully compatible with R22, R404A, and R507 refrigerants. Supported by a robust 154 kg cast-iron housing, high-flow Swedish steel valve plates, and a 4.5 L oil charge capacity, it delivers optimal bearing lubrication and long-term operating resilience in industrial refrigeration systems.

Product Image



Technical Specifications

Model	06CC228
Nominal Power	7.5 HP
Refrigerant Type	R22, R404A, R507
Rated Current	13.4 A
Oil Charge	4.5 L
Weight	154 kg



Company Introduction

With over 20 years of technical expertise in the refrigeration industry, Ruifujie is a modern industrial supplier dedicated to engineering high-efficiency cooling components. We provide comprehensive OEM/ODM customization services to adapt equipment to localized voltage standards and regional engineering requirements. Our equipment is exported worldwide to major international markets, including France, Saudi Arabia, and Peru. Backed by solid technical strength, competitive factory-direct pricing, and dependable product quality, Ruifujie maintains strong, enduring partnerships with global distributors and contractors.



Frequently Asked Questions

Q1: What are the exact low-pressure and high-pressure stage displacement figures for the 06CC228 model?

At 1450 rpm, the 06CC228 compressor provides a low-pressure stage displacement of 31.7 m³/h across 4 cylinders and a high-pressure stage displacement of 15.9 m³/h across 2 cylinders.

Q2: Why is a two-stage compressor more energy efficient for low-temperature freezing?

By splitting compression into two stages inside one body, compression ratios per cylinder are significantly reduced, resulting in lower operating temperatures, reduced power draw, and consistent cooling capacity.

Q3: Is the 06CC228 model UL-certified for environmentally friendly refrigerants?

Yes, the 06CC228 compressor is fully UL-approved and optimized for eco-friendly refrigerants including R22, R404A, and R507.

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

Standard bulk orders are typically 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 compressor unit packaged to prevent damage during sea transport?

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

Technical Consultation & Custom Bulk Procurement

Choosing the right two-stage carrier 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.

