



06CC550 15HP Semi Hermetic Reciprocating Refrigeration Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06CC550
- 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: 15HP
- Highlight: **15HP semi hermetic refrigeration compressor, 06CC550 reciprocating compressor, semi hermetic compressor with warranty**



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Product Description

06CC550 15HP Semi Hermetic Reciprocating Refrigeration Compressor

Product Overview

Heavy-Duty Two-Stage Compression for Low-Temperature Applications

Built specifically for large-scale cold storage, commercial freezers, and industrial chillers, this 15HP semi hermetic reciprocating refrigeration compressor utilizes an advanced two-stage compression mechanism within a single compact housing. Featuring 6 cylinders—4 cylinders for low-pressure compression and 2 cylinders for high-pressure compression—it provides a low-stage displacement of 47.6 m³/h and high-stage displacement of 23.8 m³/h at 1450 rpm. An integrated plate heat exchanger subcooler provides maximum liquid subcooling, allowing systems to operate with lower refrigerant charge while maintaining stable thermal capacity under severe freezing conditions.

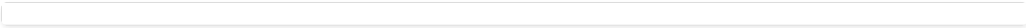
Reduced Pressure Ratios and Lower Energy Consumption

By splitting total compression work into two distinct stages in one body, this semi hermetic reciprocating refrigeration compressor operates at significantly lower compression ratios per cylinder. This optimized internal pressure balance reduces mechanical stress, lowers discharge gas temperatures, and eliminates the need for external booster compressors or additional subcooling skids. Consequently, it protects oil viscosity and extends total service life under heavy low-temperature workloads.

Eco-Friendly Refrigerant Support and Heavy Frame Construction

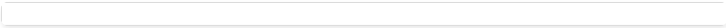
Engineered for global cooling standards, this high-efficiency semi hermetic reciprocating refrigeration compressor is fully UL-approved and optimized for eco-friendly refrigerants including R22, R404A, and R507. Supported by a robust 239 kg cast-iron frame, high-flow Swedish steel valve plates, and a generous 9.0 L lubricant reservoir, it ensures exceptional bearing protection and reliable continuous duty across commercial and industrial refrigeration installations.

Product Image



Technical Specifications

Model	06CC550
Nominal Power	15 HP
Refrigerant Type	R22, R404A, R507
Rated Current	26 A
Oil Charge	9 L
Weight	239 kg



Company Introduction

Ruifujie is a modern industrial refrigeration supplier specializing in high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, as well as complete cold room systems and ice machinery. We provide comprehensive OEM/ODM customization services to meet distinct regional voltage standards and engineering specifications. Our equipment is exported to major international markets including Australia, Thailand, and Brazil, where Ruifujie maintains strong partnerships with global distributors and earns high acclaim across B2B channels.



Frequently Asked Questions

Q1: What are the exact low-pressure and high-pressure stage displacement figures for the 06CC550?

At 1450 rpm, the 06CC550 model provides a low-pressure stage displacement of 47.6 m³/h across 4 cylinders and a high-pressure stage displacement of 23.8 m³/h across 2 cylinders.

Q2: How does the internal two-stage design benefit low-temperature applications?

By dividing compression across two stages inside one body, the compression ratio per stage is significantly reduced, lowering operating temperatures and power consumption without requiring separate booster compressors.

Q3: What lubricant oil capacity and electrical ratings are specified for the 06CC550 model?

The unit features a 9.0 L oil charge capacity, operates on 400V-3-50 / 460V-3-60 electrical supply.

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

Standard bulk orders are typically completed and prepared for dispatch within 10 to 15 working days.

Q5: What warranty period is provided for this compressor unit?

We provide a standard 12-month quality warranty starting from the date of shipment for all our compressor units.

Low-Temperature System Wholesale Procurement

Selecting the right two-stage semi hermetic reciprocating refrigeration compressor is essential for 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.

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