



06CC899 30HP Industrial Cold Room Two Stage Semi Sealed Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06CC899
- 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: 30HP
- Compressor Type: Semi Hermetic Reciprocating
- Condensertype: Air-cooled
- Refrigerant: R22, R404A, R507
- Commercial Refrigeration: HVAC&Cooling Units
- Highlight: **30HP industrial semi sealed compressor, two stage cold room compressor, semi hermetic compressor with warranty**



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Product Description

06CC899 30HP Industrial Cold Room Two Stage Semi Sealed Compressor

Lowering Expenses with Two-Stage Cooling

In large-scale industrial freezing and process cooling, energy consumption dominates long-term operational budgets. This high-capacity semi sealed compressor dramatically lowers running costs by utilizing an advanced two-stage compression design inside a single compact housing, splitting the 30HP workload across 4 low-pressure and 2 high-pressure cylinders. By maintaining low compression ratios per cylinder stage, the system achieves superior seasonal energy efficiency and significantly reduces overall utility bills compared to traditional single-stage booster setups.

Eco-Compliance and Direct Drop-In Installation

Transitioning commercial cooling facilities to modern eco-friendly standards requires versatile and adaptable machinery. Fully UL-approved, this flexible semi sealed compressor is optimized for environmentally compliant refrigerants including R404A and R507, as well as classic R22. Its standardized mounting dimensions and connection port specifications allow system integrators and engineering contractors to perform direct drop-in replacements with minimal piping modifications, drastically reducing installation labor and operational downtime.

Heavy Motor Protection for Extreme Loads

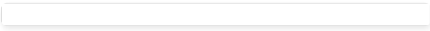
Unplanned refrigeration downtime can endanger high-value cargo in food processing, pharmaceutical, and cold-storage logistics. Built with a heavy-duty 255 kg cast-iron frame and a generous 9.0 L oil reservoir, this semi sealed compressor resists liquid slugging and lubrication breakdown during extreme low-temperature startups. Combined with high-flow Swedish steel valves and suction-gas motor cooling, it guarantees uninterrupted, non-stop performance even under severe high-ambient operating conditions.

Product Image



Technical Specifications

Model	06CC899
Nominal Power	30 HP
Refrigerant Type	R22, R404A, R507
Rated Current	58 A
Oil Charge	9 L
Weight	255 kg



Company Introduction

Ruifujie is a modern industrial refrigeration supplier specializing in high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, alongside complete cold storage units and ice machinery. We offer full OEM/ODM customization services to adapt equipment to regional electrical standards and localized engineering requirements. Supported by competitive factory-direct pricing, our products are exported worldwide to major international markets including Germany, Mexico, and Australia, earning trusted long-term partnerships with global contractors and equipment distributors.



Frequently Asked Questions

What are the low-stage and high-stage displacement figures for the 06CC899 at 1450 rpm?

At 1450 rpm, the 06CC899 delivers a low-pressure stage displacement of 93.6 m³/h across 4 cylinders and a high-pressure stage displacement of 46.8 m³/h across 2 cylinders.

How does internal two-stage compression lower energy consumption in low-temperature setups?

By splitting total compression across two stages inside one body, compression ratios per cylinder stage are significantly reduced, lowering operating temperatures and saving electrical power.

What eco-friendly refrigerants are approved for the 06CC899 model?

The 06CC899 compressor is UL-approved and engineered for eco-friendly refrigerants including R404A and R507, as well as traditional R22.

What is the standard production lead time for bulk orders?

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

How is this 255 kg compressor unit packaged for safe ocean transport?

Each compressor 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.

Technical Consultation

Selecting the right two-stage semi sealed 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.

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