



06DA537 15HP Carlyle Semi-hermetic Reciprocating Compressor

Our Product Introduction

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Basic Information

- Place of Origin: USA
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06DA537
- 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 Piston
- Horse Power: 15HP
- Refrigerant: R22, R134a, R404A, R407C, R507
- Condensertype: Air-cooled
- Commercial Refrigeration: HVAC&Cooling Units
- Highlight: **15HP Carlyle semi-hermetic compressor, reciprocating compressor with 15HP, Carlyle semi-hermetic reciprocating compressor**



More Images



Product Description

06DA537 15HP Carlyle Semi-hermetic Reciprocating Compressor

Optimizing Thermal Load Performance

This high-performance **semi hermetic compressor** is engineered specifically for commercial refrigeration and large-scale cold storage systems, delivering stable low-to-medium temperature control. It resolves baseline industrial pain points like capacity drops during peak cooling hours by utilizing an advanced valve system crafted from premium Swedish steel, which reduces stress and minimizes valve loss.

Furthermore, by incorporating contoured pistons and vented connecting rods, this **semi hermetic compressor** successfully minimizes internal clearance and ensures continuous bearing lubrication, directly extending the service life of the machinery.

Resolving Startup Wear and Motor Burnout Risks

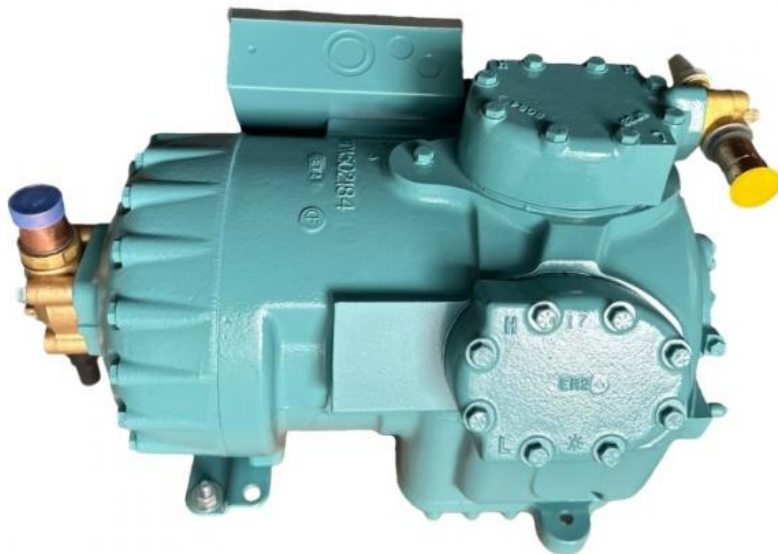
Conventional industrial refrigeration networks frequently suffer from motor burnouts under high-pressure, high-temperature conditions, alongside severe startup wear caused by refrigerant dilution in the lubricant. This durable **semi hermetic compressor** addresses these critical vulnerabilities with an oversized oil sump designed to contain excess oil, preventing the oil level from dropping below safe limits upon startup.

Coupled with a bidirectional positive displacement vane oil pump and a highly efficient suction cutoff unloading system, it keeps operating temperatures significantly lower than standard hot gas bypass designs while smoothly handling partial load scenarios.

Maximizing Gas Cooling and Heavy-Duty Load Capacity

To ensure long-term durability in demanding industrial environments, the design features oversized suction passages that reduce gas turbulence and pressure drops, vastly improving motor cooling efficiency. The main bearing surfaces are constructed from steel-backed aluminum alloy or tin babbitt materials, providing immense load-bearing capacity and outstanding resistance against overheating or corrosion from liquid refrigerant slugging.

Product Image



Technical Specifications

Parameter Name	Standard Specifications
Model	06DA537
Nominal Power	15.0 HP
Refrigerant Type	R22, R134a, R404A, R407C, R507
Voltage	400V-3-50 / 460-3-60
Rated Current	28.6 A
Oil Charge	4.5 L
Weight	147 kg

Company Introduction

Ruifujie stands as a premier manufacturer bringing more than 20 years of technical expertise to the commercial cooling market. Our extensive product portfolio features an array of scroll, piston, rotary, semi-hermetic, and screw refrigeration compressors, alongside integrated cold storage setups and commercial ice systems.

We proudly export our high-efficiency machinery to key international regions including the United States, the United Arab Emirates, and the United Kingdom. Recognized for superior engineering strength and highly competitive pricing, Ruifujie maintains strong, enduring

partnerships with global distributors and continues to earn exceptional client feedback worldwide.



Frequently Asked Questions

What voltage configuration does the 06DA537 compressor support for international industrial grids?

The compressor is built for three-phase industrial power supplies, fully compatible with both 400V/3Phase/50Hz and 460V/3Phase/60Hz electrical standards.

How does the 6-cylinder layout improve the compressor's operational stability?

The multi-cylinder engineering balances internal mechanical forces, significantly minimizing vibration and delivering smoother displacement performance under heavy low-temperature loads.

Can this equipment operate under partial load scenarios efficiently?

Yes, the integrated capacity modulation allows the system to scale down to 66% or 33% of its full output, matching actual load requirements and optimizing energy use.

What is the estimated delivery time for a bulk order of these compressors?

For standard in-stock items, sample orders can be shipped within 3 days, while complete bulk orders typically take 10 to 15 working days.

Do your commercial refrigeration products come with a warranty period?

Yes, we provide a reliable 1-year warranty coverage across our entire product range to ensure trouble-free operation.

Bulk Order Pricing & Volume Quotation

Leveraging our expansive manufacturing capabilities, Ruifujie offers highly flexible commercial terms for large-scale procurement projects. We ensure your supply chain remains cost-efficient by providing tiered discounts and optimized logistics plans tailored to your specific market demands.

Please send over your required project parameters, target purchasing volume, or specific application details, and our commercial team will deliver a comprehensive, customized quote within 8 hours.



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