



06DA328 10HP Semi Hermetic Reciprocating Compressor

Our Product Introduction

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Basic Information

- Place of Origin: USA
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06DA328
- 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 Piston
- Condensertype: Air-cooled
- Refrigerant: R22, R134a, R404A, R407C, R507, R407A
- Commercial Refrigeration: HVAC&Cooling Units
- Highlight: **10HP semi hermetic compressor, reciprocating semi hermetic compressor, 06DA328 semi hermetic compressor**



More Images



Product Description

06DA328 10HP Semi Hermetic Reciprocating Compressor

Elevating Industrial Cooling Performance with Swedish Steel Valves

This heavy-duty **semi hermetic reciprocating compressor** is engineered for medium and low-temperature cold storage applications, delivering reliable refrigeration capacity under high thermal loads. It resolves persistent capacity drops during peak refrigeration hours by using low-pressure valve plates made of Swedish steel and high-flow porting. Furthermore, contoured piston profiles matched with vented connecting rods optimize internal clearance and maintain continuous bearing lubrication, allowing this **semi hermetic reciprocating compressor** to maintain high operating efficiency over extended cycles.

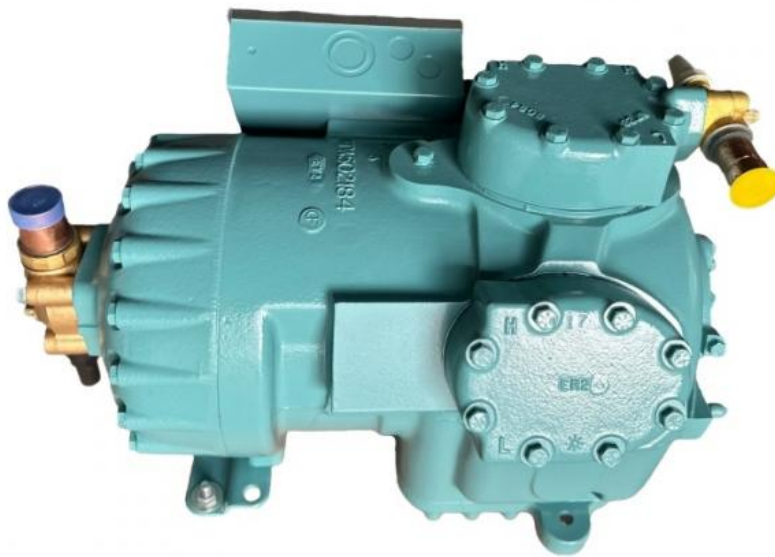
Preventing Startup Wear and Overheating Hazards

Fluctuating operational pressures frequently trigger motor burnout risks and oil dilution during cold restarts in commercial systems. This reliable **semi hermetic reciprocating compressor** combats these challenges with an oversized oil sump that prevents oil levels from dropping below safe operating limits upon startup. Supported by an automatic bidirectional vane oil pump and a 66% or 33% suction cutoff unloading system, the unit operates at lower temperatures than conventional hot gas bypass setups while effectively balancing partial thermal loads.

Enhancing Motor Protection and Heavy-Duty Bearing Support

Built for continuous industrial service, the machinery incorporates enlarged suction passages that minimize turbulence and pressure drop, significantly boosting gas-cooling efficiency for the motor. The main bearings feature steel-backed aluminum alloy or tin babbitt construction, delivering extraordinary load-bearing strength and superior resistance against liquid refrigerant slugging and thermal breakdown.

Product Image



Technical Specifications

Parameter Name	Standard Specifications
Model	06DA328
Nominal Power	10 HP
Refrigerant Type	R22, R134a, R404A, R407C, R507, R407A
Rated Current	22.1 A
Oil Charge	4.5 L
Weight	143 kg

Company Introduction

Bringing over 20 years of manufacturing excellence to the global cooling industry, Ruifujie specializes in supplying high-performance scroll, piston, rotary, semi-hermetic, and screw refrigeration compressors, as well as complete cold room systems and industrial ice machines. Our robust machinery is exported to major international markets including the United States, Saudi Arabia, and the United Arab Emirates. Backed by solid technical capabilities and exceptional cost-effectiveness, Ruifujie maintains strong, reliable partnerships with global distributors, earning high acclaim from overseas B2B clients.



Frequently Asked Questions

Q1: What are the exact displacement rate and port sizes for the 06DA328 compressor?

A1: The 06DA328 model features a displacement of 39.60 m³/h at 1450 rpm, utilizing a 35 mm (1-3/8 in) suction port and a 28 mm (1-1/8 in) discharge port for standardized pipeline connection.

Q2: How does the suction cutoff unloading system operate under partial thermal load?

A2: The capacity modulation system allows the compressor to unload to 66% or 33% of its full output by deactivating suction to specific cylinder banks, reducing energy consumption while maintaining lower operating temperatures than hot gas bypass designs.

Q3: What internal features prevent motor burnout during extreme working conditions?

A3: The motor is equipped with advanced electrical insulation, heavy-duty protective relays, and enlarged suction channels that maximize suction gas cooling to maintain low motor temperatures even under high-pressure operations.

Q4: How quickly can I receive a formal quotation for this compressor model?

A4: Upon receiving your detailed project parameters—including required cooling capacity, operating voltage, target refrigerant, and working conditions—our engineering team will provide a formal quotation within 8 hours.

Q5: Does Ruifujie support logo and nameplate customization for private-label distribution?

A5: Yes, we fully support custom LOGO placement and multi-language nameplate customization tailored to your brand specifications.

Custom Configuration Service & OEM Branding

Supported by two decades of industrial manufacturing experience, Ruifujie provides flexible engineering options to ensure each **semi hermetic reciprocating compressor** integrates smoothly into your equipment setup. We offer tailored voltage configurations, localized packaging, and customized private-label branding to enhance your competitive edge in regional markets. Please send your detailed project parameters, operating conditions, and estimated procurement quantity, and our technical team will deliver a comprehensive proposal within 8 hours.



86-13922880636



info@coolstartcn.com



coldroomunit.com

Room 1801, Building 1, Kangli city, No. 66 Pingji Road, Longgang District, Shenzhen, Guangdong, China