



06DA825 7.5HP Commercial Compressor Semi Hermetico

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06DA825
- 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: 7.5HP
- Compressor Type: Semi Hermetic Piston
- Condensertype: Air-cooled
- Refrigerant: R22, R134a, R404A, R407C, R507, R407A
- Commercial Refrigeration: HVAC&Cooling Units
- Highlight: **7.5HP semi hermetic compressor, commercial semi hermetic compressor, 06DA825 semi hermetic compressor**



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Product Description

06DA825 7.5HP Commercial Compressor Semi Hermetico

Product Overview

Optimizing Commercial Cooling Efficiency with Precision Valving

This high-efficiency **compressor semi hermetico** is engineered for medium and low-temperature commercial refrigeration applications, delivering reliable temperature stability across cold storage facilities. It addresses common capacity drop issues during peak refrigeration cycles by featuring low-pressure valve plates made of Swedish steel and high-flow porting. Furthermore, contoured piston profiles combined with vented connecting rods optimize internal clearance and maintain constant bearing lubrication, enabling this **compressor semi hermetico** to achieve superior energy efficiency.

Preventing Mechanical Failure and Startup Oil Starvation

Traditional cooling systems frequently suffer from motor burnouts under harsh operating environments and premature wear during initial startups. This robust **compressor semi hermetico** solves these operational risks through an oversized oil sump that prevents oil level drops caused by refrigerant dilution. Equipped with an automatic bidirectional vane oil pump and a 66% or 33% suction cutoff unloading system, it lowers operating temperatures far below standard hot gas bypass designs while smoothly handling partial thermal loads.

Maximizing Motor Protection and Heavy-Duty Bearing Resilience

Designed for long-term industrial reliability, the unit utilizes oversized suction passages to reduce turbulence and pressure drops, maximizing gas-cooling effectiveness for the motor. The main bearings are constructed from steel-backed aluminum alloy or tin babbitt materials, offering superior load-bearing capacity and outstanding resistance against liquid slugging, thermal degradation, or corrosive refrigerant breakdown.

Product Image



Technical Specifications

Parameter Name	Standard Specifications
Model	06DA825
Nominal Power	7.5 HP
Refrigerant Type	R22, R134a, R404A, R407C, R507, R407A
Rated Current	19.9 A
Oil Charge	4.5 L
Weight	143 kg

Company Introduction

Ruifujie operates as a modern manufacturing enterprise specializing in scroll, piston, rotary, semi-hermetic, and screw refrigeration compressors, alongside complete cold rooms and quick-freezing equipment. We offer flexible OEM/ODM customization services to accommodate various localized electrical and mechanical requirements. Our products are exported worldwide to major overseas markets including the United Kingdom, Saudi Arabia, and Russia. Driven by strong engineering expertise and high cost-performance value, Ruifujie maintains long-term cooperative partnerships with global buyers and consistently receives high customer satisfaction ratings.



Frequently Asked Questions

Q1: What is the displacement capability and port size for the 06DA825 model?

A1: The 06DA825 model provides a displacement of 35.40 m³/h at 1450 rpm, featuring a 35 mm (1-3/8 in) suction port and a 28 mm (1-1/8 in) discharge port for seamless piping integration.

Q2: How does the 66% or 33% capacity unloading mechanism operate?

A2: The suction cutoff unloading system deactivates specific cylinder banks during reduced load periods, allowing the unit to scale down output efficiently while operating at cooler temperatures than hot gas bypass systems.

Q3: What electrical protection features prevent motor overheating under high load?

A3: The motor incorporates advanced insulation systems alongside oversized suction gas cooling channels, ensuring low operating temperatures even when subjected to ambient high-pressure conditions.

Q4: How quickly can you deliver an order for these compressors?

A4: For standard models in stock, sample orders are shipped within 3 days, whereas complete volume production orders require approximately 10 to 15 working days.

Q5: What are your standard trade terms and payment options for overseas buyers?

A5: We standardly offer FOB Shenzhen or EXW trade terms with settlement in USD. Accepted payment methods include TT (Telegraphic Transfer) and Western Union.

One-Stop Procurement Solution for Cold Storage

Ruifujie supplies fully integrated cooling equipment, allowing you to source high-performance compressors, evaporators, and condensing units in a single streamlined order. Our turnkey sourcing approach lowers shipping complexity and ensures perfect component compatibility across your entire refrigeration system. Please send us your required cooling capacity, operating voltage, and procurement quantity, and our team will deliver a comprehensive quote within 8 hours.

 **Shenzhen Coolstart Refrigeration Equipment Co., Ltd**



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