



06DA818 6.5HP Commercial Semi Sealed Compressor

Our Product Introduction

Basic Information

- Place of Origin: USA
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06DA818
- 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

- Commercial Refrigeration: HVAC&Cooling Units
- Horse Power: 6.5HP
- Compressor Type: Semi Hermetic Piston
- Refrigerant: R22, R134a, R404A, R407C, R507, R407A
- Condensertype: Air-cooled
- Highlight: **6.5HP commercial semi sealed compressor, semi hermetic compressor with warranty, 6.5HP semi sealed air compressor**



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Product Description

06DA818 6.5HP Commercial Semi Sealed Compressor

Enhancing Cold Storage Performance with Precision Valve Systems

This high-efficiency **semi sealed compressor** is designed for commercial cold storage and industrial refrigeration systems, delivering dependable cooling capacity for food processing and low-temperature preservation. It resolves operational capacity drops during high-demand hours by incorporating low-pressure valve plates and high-flow porting crafted from Swedish steel. Additionally, contoured pistons and vented connecting rods optimize cylinder clearance and ensure steady bearing lubrication, enabling this **semi sealed compressor** to maintain high output efficiency over long working cycles.

Preventing Motor Burnout and Severe Startup Wear

Fluctuating operating pressures and thermal loads often lead to motor burnouts and lubrication loss when refrigerant dilutes oil in standard cooling equipment. This heavy-duty **semi sealed compressor** eliminates these risks using an oversized oil sump that prevents oil levels from dropping below safe operating limits upon startup. Supported by a bidirectional positive-displacement vane oil pump and a 50% suction cutoff unloading system, the unit operates at lower temperatures than conventional hot gas bypass configurations while smoothly handling partial-load requirements.

Maximizing Motor Cooling and Heavy-Duty Bearing Reliability

Built to withstand rigorous industrial environments, the design incorporates enlarged suction passages that minimize gas turbulence, reduce pressure drop, and maximize gas-cooling efficiency for the heavy-duty motor. The main bearings utilize steel-backed aluminum alloy or tin babbitt materials to provide exceptional load-bearing resilience, protecting internal components against liquid slugging, overheating, and chemical corrosion.

Product Image



Technical Specifications

Parameter Name	Standard Specifications
Model	06D818
Nominal Power	6.5 HP
Refrigerant Type	R22, R134a, R404A, R407C, R507, R407A
Rated Current	14.1 A
Oil Charge	2.6 L
Weight	113 kg

Company Introduction

Ruifujie operates as a full-scale refrigeration equipment manufacturer backed by over 20 years of technical expertise in industrial cooling systems. Our primary product portfolio spans scroll, piston, rotary, semi-hermetic, and screw refrigeration compressors, alongside complete cold room units, quick-freezing assemblies, and commercial ice machines. We offer comprehensive OEM/ODM customization services to adapt equipment to localized voltage, frame, and refrigerant requirements. Today, Ruifujie products are exported worldwide to major overseas markets, including Russia, Saudi Arabia, and the United Arab Emirates.



Frequently Asked Questions

Q1: How does the 50% capacity modulation function benefit the 06DA818 compressor during low-load periods?

A1: The integrated 50% suction cutoff unloading system allows the compressor to reduce its displacement by half during low thermal load conditions, cutting energy consumption and preventing unnecessary mechanical wear without relying on inefficient hot gas bypass systems.

Q2: What type of suction and discharge line connections does the 06DA818 model require?

A2: This 6.5HP unit features a 28 mm (1-1/8 in) suction connection and a 22 mm (7/8 in) discharge connection, making it straightforward to integrate into standard commercial refrigeration piping setups.

Q3: How does the oversized oil sump protect the compressor during cold startups?

A3: When oil is diluted by refrigerant during shutdown, startup can cause temporary oil level drops. The oversized oil sump holds extra oil to ensure the lubrication level remains strictly within safe operating parameters at all times.

Q4: What is your standard packaging and transport method for overseas shipment?

A4: All compressors are securely packed in heavy-duty wooden cases; ocean freight orders are shipped pre-charged with refrigerant, whereas air freight shipments are sent without refrigerant due to aviation safety regulations.

Q5: What is your policy regarding sample orders and sample fees?

A5: Samples are charged upfront. However, the full sample fee will be refunded back to you once your subsequent bulk production order meets the agreed target quantity.

Project Solution Consultation & Engineering Quotation

Backed by rich engineering experience across diverse refrigeration projects, Ruifujie delivers tailored system design and component matching for every **semi sealed compressor** installation. Whether you are building new cold storage facilities or upgrading existing equipment, our technical team provides precise sizing and configuration support. Please send us your project parameters, required cooling capacity, or purchasing details, and we will issue a complete solution quote within 8 hours.



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