



06EM175 R134a R404A Semi Hermetic Refrigeration Compressor for Air Conditioning

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06EM175
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union, T/T
- Supply Ability: 10000Pcs/Year



Product Specification

- Commercial Refrigeration: HVAC/Air Conditioning/Cold Room/Condensing Unit
- Compressor Type: Semi Hermetic Piston
- Horse Power: 25HP
- Condensertype: Air-cooled
- Refrigerant: R22, R134a, R404A, R407C, R507, R407A
- Highlight: **R134a R404A semi hermetic compressor, semi hermetic refrigeration compressor for AC, air conditioning semi hermetic compressor**



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Product Description

06EM175 R134a R404A Semi Hermetic Refrigeration Compressor for Air Conditioning

Product Overview

The 06EM175 semi hermetic refrigeration compressor is engineered for heavy-duty commercial refrigeration applications including low-temperature cold storage, process liquid cooling, and environmental test chambers.

Key Features

High Volumetric Efficiency: Driven by a robust 25 HP motor with 6-cylinder displacement of 106.8 m³/h at 1450 rpm, utilizing Swedish spring steel valve plates and optimized flow orifices

Multi-Temperature Capability: Compatible with R404A, R507, R134a, and R22 system setups

Suction Cutoff Unloading: Reduces active output to 66% while maintaining lower operating temperatures than traditional hot-gas bypass systems

Reversible Oil Pump Protection: Automatic reversible positive-displacement oil pump with oversized crankcase oil sump preserves critical bearing oil pressure

Heavy-Duty Construction: Contoured pistons, oil-channeled connecting rods, steel-backed sleeve bearings, and high-insulation motor windings

Standard Accessories

Suction Stop Valve
Discharge Stop Valve
Discharge Temperature Protector
Crankcase Heater (Optional)
Compressor Shock Absorber Springs
Spring Seats
Jumper Bars
Terminal Nuts

Product Image



Technical Specifications

Parameter Name	Standard Specifications
Model	06EM175
Cylinders	6
Nominal Power	25 HP
Refrigerant Type	R22, R134a, R404A, R407C, R507, R407A
Rated Current	56 A
LRA(50/60Hz)	223/134A
Oil Charge	9 L
Weight	222 kg

Model	Displacement @ 1450 rpm/ min (m3/h)	Nominal Power (HP)	Cylinders	Energy Regulation %	Interface Size		Voltage Options		Oil Charge (L)	Weight (kg)
					Connection Port mm (in)	Discharge Port mm (in)	400-3-50,460-3-60 *RLA(A)	LRA (A) XL/PW First coil		
06DM08	11.4	3	2	-	22 (7/8)	19 (5/8)	5.6	36	1.4	73
06DM313	18.6	5	4	50	22 (7/8)	19 (5/8)	8.6	50	2.1	107
06DM316	22.8	5	4	50	28 (1-1/8)	19 (5/8)	8.6	50	2.1	107
06DM337	52.4	10	6	66 / 33	42 (1-5/8)	28 (1-1/8)	19.9	114	3.8	147
06EM_50	71.4	15	4	50	54 (2-1/8)	28 (1-1/8)	36	142/85	8	195
06EM_75	106.8	25	6	66	54 (2-1/8)	35 (1-3/8)	56	223/134	9	222
06EM_99	140.4	35	6	66	54 (2-1/8)	42 (1-5/8)	77	305/183	9	229

Company Introduction

Drawing upon over two decades of technical expertise in industrial cooling systems, Ruifujie operates as a modernized enterprise

producing premium scroll, piston, rotary, semi-hermetic, and twin-screw compressors, alongside cold room evaporators, quick-freezing equipment, and industrial ice machinery. We offer full OEM/ODM engineering customization tailored to international project standards. Ruifujie products are exported across worldwide markets, serving engineering clients in Russia, the United States, the United Kingdom, Saudi Arabia, the UAE, and other regions. With dedicated technical capabilities and outstanding cost efficiency, Ruifujie maintains strong, long-term strategic relationships with global commercial buyers.



Frequently Asked Questions

Q1: What refrigeration environments are best served by the 06EM175 compressor?

A1: The 06EM175 is designed for medium and low-temperature applications, including commercial walk-in freezers, cold storage warehouses, process chilling, and supermarket rack systems.

Q2: How does the suction cutoff unloading system operate on this 6-cylinder model?

A2: It shuts off suction gas flow to two cylinders, reducing capacity to 66% while running significantly cooler and consuming less energy than hot-gas bypass systems.

Q3: What protection features safeguard the compressor against low oil pressure?

A3: The unit features an automatic reversible positive-displacement oil pump and an extra-large oil sump, ensuring continuous oil delivery even during rapid startup refrigerant dilution.

Q4: What standard accessories are supplied with the 06EM175 shipment?

A4: Standard accessories include suction and discharge stop valves, discharge temperature sensors, vibration mounting springs, spring seats, jumper bars, and terminal hardware.

Q5: What are the standard lead times and shipment packaging methods?

A5: In-stock units ship within 3 business days, while volume production orders take 10-15 days, packed securely in export-standard reinforced wooden cases.

Commercial Refrigeration Engineering Support

As an established manufacturer and supplier of commercial refrigeration compressors, Ruifujie provides factory-direct wholesale pricing, specialized technical selection guidance, and full OEM support for every semi hermetic refrigeration compressor. Send us your required cooling capacity, operating voltage, refrigerant choice, or batch requirements today, and our sales engineering team will deliver a comprehensive proposal within 8 hours.



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