

Bitzer 4FE-35-40P 35HP R22 Semi Hermetic Refrigeration Compressor for Cold Storage

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Bitzer
- Certification: CE
- Model Number: 4FE-35-40P
- 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

- Cylinders: 4
- Rated Power: 35HP
- Displacement: 101.8 M3/hr
- Refrigerant: R22
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Highlight: **Bitzer 4FE-35-40P semi hermetic compressor**, **35HP R22 refrigeration compressor**, **Bitzer compressor for cold storage**



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Our Product Introduction

Product Description

Product Overview

The Bitzer 4FE-35-40P is a 35HP semi-hermetic refrigeration compressor engineered for R22 systems. As part of the ECOLINE series, it is configured for medium-temperature refrigeration and air-conditioning applications, with condensing temperatures reaching up to 62°C. It is well suited for large cold-storage installations and commercial refrigeration projects operating within its approved range.

Key Features

R22 Refrigerant & Application Compatibility

Configured for R22 systems, the supplied ECOLINE application information covers medium-temperature refrigeration and air-conditioning with condensing temperatures up to 62°C. The compressor can be evaluated for large cold-storage installations and commercial refrigeration projects within its approved operating range.

Optimized Valve Plate & Efficient Compression

An optimized valve plate, efficient suction and discharge valve assemblies, and reduced clearance volume help minimize internal losses and improve gas exchange efficiency. These design improvements support energy-efficient operation and help reduce unnecessary power consumption.

Wear-Resistant Mechanical Construction

A surface-hardened crankshaft, low-friction bearings, aluminum pistons, and high-hardness alloy piston rings contribute to a durable mechanical structure. These components help reduce friction and mechanical wear, supporting reliable operation under demanding refrigeration conditions.

Frequency-Inverter Compatibility

The ECOLINE series supports compatible frequency-inverter operation, allowing compressor speed to follow changing refrigeration loads. This provides greater flexibility for systems with fluctuating cooling demands and helps avoid unnecessary full-load operation.

Product Image

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Technical Specifications

Model	4FE-35-40P
Old Model	—
Rated Power	35 HP
Displacement (1450/min)	101.8 m^3/hr
Oil Charge	4.5 L
Weight	207 KG
Capacity Regulation	50%
Voltage	380-420YY/3/50, 440-480YY/3/60
Max Operating Current	62.1 A
Max Power Consumption	35 kW

Model	Motor Version	Displace-ment (1450/min)	Cylinders	Oil charge	Weight	Pipe Connections				CR - Steps -	Motor connection	Electrical data	
						DL Dischargeline		SL Suction line				Max. operating current	Max. power consumption
		m3/h		L	kg	mm	pouce	mm	pouce	%	Volt	Amp.	kW
4VES-6Y	3	34.7	4	2.6	129	22	7/8	28	1-1/8	50	PW 380-420YY/3/50 440-480YY/3/60	10	6
4VES-7(Y)	2				129							16.6	11
4VES-10(Y)	1				139							19.9	12
4TES-8Y	3	41.3	4	2.6	134	28	1-1/8	35	1-3/8			12.1	7
4TES-9(Y)	2				134							19.9	13
4TES-12(Y)	1				141							25.1	14
4PES-10Y	3	48.5	4	2.6	139	28	1-1/8	35	1-3/8			13.6	8
4PES-12(Y)	2				139			35	1-3/8			22.7	14
4PES-15(Y)	1				147			42	1-5/8			28.2	16
4NES-12Y	3	56.2	4	2.6	141	28	1-1/8	35	1-3/8			15.9	9
4NES-14(Y)	2				141			35	1-3/8			26.6	17
4NES-20(Y)	1				150			42	1-5/8			33.2	19
4JE-13Y	3	63.5	4	4	179	28	1-1/8	42	1-5/8			19.8	11
4JE-15(Y)	2				190							30.8	19
4JE-22(Y)	1				190							37.2	21
4HE-15Y	3	73.7	4	4	183	28	1-1/8	42	1-5/8			22.5	13
4HE-18(Y)	2				190			42	1-5/8			36.7	22
4HE-25(Y)	1				194			54	2-1/8			44	25
4GE-20Y	3	84.6	4	4.5	192	28	1-1/8	54	2-1/8			25.9	16
4GE-23(Y)	2				192							43.9	27
4GE-30(Y)	1				206							51.2	28
4FE-25Y	3	101.8	4	4.5	196	28	1-1/8	54	2-1/8			32.1	19
4FE-28(Y)	2				207							52.8	31
4FE-35(Y)	1				207							62.1	35

Frequently Asked Questions

Q1: Which applications are suitable for the 4FE-35-40P?

This R22 configuration is intended for medium-temperature refrigeration and air-conditioning applications, including large cold-storage systems.

Q2: Can the 4FE-35-40P operate with a frequency inverter?

The ECOLINE series supports frequency-inverter operation with compatible electrical configurations. If you intend to use it as a variable-speed refrigeration compressor, confirm the suitable inverter, operating frequency range, and motor compatibility before ordering.

Q3: What information is required when selecting this compressor?

For a BITZER 4FE compressor, provide the required cooling capacity, refrigerant, evaporating temperature, condensing temperature, ambient conditions, and electrical supply. These details help determine whether the compressor matches the intended refrigeration project.

Q4: What should be checked before commissioning?

Check the electrical connections, refrigerant compatibility, lubrication circuit, suction and discharge piping, and system cleanliness. Proper commissioning helps reduce startup problems and supports reliable long-term operation.

Coolstart Shenzhen Coolstart Refrigeration Equipment Co., Ltd

86-13922880636 info@coolstartcn.com coldroomunit.com

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