

Bitzer 4CES-9-40S 4CC-9.2-40S 9HP R22 Reciprocating Semi Hermetic Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Bitzer
- Certification: CE
- Model Number: 4CES-9-40S,4CC-9.2-40S
- 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

- Rated Power: 9HP
- Cylinders: 4
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Displacement: 32.5 M3/hr
- Refrigerant: R22
- Highlight: **Bitzer 4CES-9-40S semi hermetic compressor**, **9HP R22 reciprocating compressor**, **Bitzer 4CC-9.2-40S compressor**



More Images





for more products please visit us on coldroomunit.com

Our Product Introduction

Product Description

Product Overview

Wide Application Range

The 4CES-9-40S is the updated successor to the previous 4CC-9.2-40S model. This semi-hermetic compressor uses R22 refrigerant and is suitable for medium-temperature refrigeration and air-conditioning applications, with a maximum condensing temperature of 62°C.

Compact Installation Design

The four-cylinder reciprocating compressor features a compact structural layout that helps reduce installation space requirements. This gives equipment manufacturers greater flexibility when integrating the compressor into condensing units and commercial refrigeration systems.

Durable Valve & Drive Construction

A rigid valve plate design, high-strength spring-steel valve material and wear-resistant drive components help withstand repeated operating loads. These mechanical features contribute to reliable operation and help reduce component wear over time.

Variable-Frequency Operation

The BITZER ECOLINE compressor series supports frequency-inverter operation from 25 to 70 Hz. This allows compressor speed and cooling output to better follow changing system loads, helping improve part-load operation and avoid unnecessary capacity mismatch.

Product Image



Technical Specification

for more products please visit us on coldroomunit.com

Model	4CES-9-40S
Old Model	4CC-9.2-40S
Rated power	9 HP
Displacement (1450/min)	32.5 m³/hr
Oil charge	2 L
Weight	91 KG
Capacity regulation	50%
Voltage	220-240Δ/3/50, 265-290Δ/3/60, 380-420Y/3/50, 440-480Y/3/60
Max operating current	35.1/20.2 A
Max power consumption	11.3 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
4FES-3(Y)	2	18.1	4	2	82	16	5/8	22	7/8	50	Δ / Y 220-240Δ/3/50 380-420Y/3/50 265-290Δ/3/60 440-480Y/3/60	16.5/9.5	5.3
4FES-5(Y)	1				86							18.8/10.8	5.8
4EES-4(Y)	2	22.7	4	2	84	16	5/8	28	1-1/8			21.2/12.2	6.9
4EES-6(Y)	1				86							23.7/13.6	7.6
4DES-5(Y)	2	26.8	4	2	86	22	7/8	28	1-1/8			25.2/14.5	8.1
4DES-7(Y)	1				89							28.7/16.5	8.9
4CES-6(Y)	2	32.5	4	2	91	22	7/8	28	1-1/8			30.8/17.7	9.7
4CES-9(Y)	1				91							35.1/20.2	11.3

Frequently Asked Questions

Q1: Which refrigerant does the 4CES-9-40S use?

The 4CES-9-40S uses R22 refrigerant. This R22 refrigeration compressor should be matched with a system using compatible refrigerant, lubricant and operating conditions.

Q2: Can the compressor operate with a frequency inverter?

Yes. The ECOLINE series supports frequency-inverter operation within a 25–70 Hz range. The inverter, motor configuration and operating limits should be checked before commissioning.

Q3: What should be checked before starting the compressor?

Before starting the semi-hermetic compressor, verify the power supply, motor connections, system cleanliness, oil type, piping connections and electrical protection settings.

Q4: What information is needed to confirm whether this compressor suits an existing system?

To confirm whether the semi-hermetic compressor suits the application, provide the required cooling capacity, evaporating temperature, condensing temperature, ambient conditions and electrical supply details. These factors help verify the operating range and system compatibility.

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