



Refcomp SP2H0900 SP2H090E 9HP 6.6KW R404A Semi Sealed Compressor for Cold Storage

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SP2H0900, SP2H090E
- 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

- Displacement: 28/33.6 M3/hr
- Oil Charge: 1.8L
- Rated Power: 9HP/6.6KW
- Refrigerant: R22, R407C, R134a, R404A, R507
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Highlight: **SP2H0900 Semi Sealed Compressor, 9HP R404A Semi Hermetic Compressor, 6.6KW Semi Sealed Compressor Cold Storage**



More Images



Product Description

Product Overview

The Refcomp SP2H0900 (SP2H090E) is a 9HP / 6.6KW semi-hermetic compressor engineered for cold storage and commercial refrigeration applications. It combines integrated safety protection, a balanced crankshaft and piston mechanism, precision bearing arrangement, and the INT69B2 motor protection module to deliver stable, reliable long-term operation.

Key Features

Integrated Safety Valve Protection

The SP2H0900 semi-hermetic compressor features an internal safety valve connecting the high- and low-pressure sides. Its precise opening and timely reset help keep internal pressure within the designed safety range, providing additional protection against abnormal pressure conditions.

Balanced Crankshaft & Piston Mechanism

The RefComp 9HP semi-hermetic compressor uses a specially developed crankshaft design that balances the moving components for smoother operation, reduced vibration and effective lubrication. The wear-resistant bushing at the connecting rod's small end helps reduce mechanical wear and supports long-term operating reliability.

Precision Bearing Arrangement

A combination of sliding and thrust bearings handles radial and axial loads within the compressor. High-precision fitting and effective lubrication help reduce friction and operating noise, supporting stable mechanical performance.

INT69B2 Motor Protection

The built-in INT69B2 protection module helps protect the motor against burnout. This integrated electrical safeguard provides an additional layer of protection, helping improve operational safety and reduce the risk of motor damage.

Product Image



Refcomp SP Series Semi-Hermetic Compressor

Technical Specification

Model	SP2H0900, SP2H090E
Rated power	9HP / 6.6KW
Exhaust volume (50/60Hz)	28 / 33.6 m³/hr
Refrigerant Type	R22, R407C, R134a, R404A, R507
Weight	91KG
Oil Charge	1.8L
Voltage	△230V/3/50Hz, Y400V/3/50Hz
Starting current PW/DOL	- / 97A
Max operating current	20A

Model SP		H (High-Temp Compressor)			
		SP2H			
		500	600	800	900
		050E	060E	080E	090E
Rated power	Hp/kW	5/3.7	6/4.4	8/5.9	9/6.6
Exhaust volume 50/60Hz	m³/hr	17.5/21	21/25.7	24.5/29.4	28/33.6
Cylinders		2	2	2	2
Weight	Kg	86	87	87	91
Oil Charge	dm³	1.8	1.8	1.8	1.8
Crankcase heater		230V-120W-PTC 50/60Hz			
Exhaust pipe inner diameter Φ	mm/inches	16/5/8"	16/5/8"	22/7/8"	22/7/8"
Suction pipe inner diameter Φ	mm/inches	28/1-1/8"	28/1-1/8"	28/1-1/8"	28/1-1/8"
Energy regulation		-	-	-	-
Standard motor		△230V/3/50Hz Y400V/3/50Hz			
Starting current PW/DOL	A	-/54	-/60	-/85	-/97
Starting current Y/D	A	54/-	60/-	85/-	97/-
Max operating current	A	12	14	16	20

Frequently Asked Questions

Q1: How do I select the right SP2H0900 for my refrigeration system?

When selecting a semi-hermetic compressor, consider the required cooling capacity, refrigerant, evaporating and condensing temperatures, ambient conditions and power supply. These details help verify whether the compressor's operating range matches your system requirements.

Q2: Which refrigerants are available for the SP2H0900?

The RefComp SP-series support R22, R407C, R134a, R404A and R507 as refrigerant options. Please confirm the specific model configuration and operating conditions before ordering.

Q3: What should be checked before commissioning the compressor?

Check the refrigerant piping connections, system cleanliness, lubrication condition, crankcase heater wiring and motor protection circuit. The electrical connection and starting arrangement should also match the site power supply.

Q4: What should I check if the INT69B2 protection module trips?

Inspect the power supply, phase condition, motor wiring and operating conditions to identify the cause. Correct the underlying problem before restarting the semi-hermetic compressor rather than repeatedly resetting the protection module.



