



Refcomp SP2H0600 SP2H060E 6HP 4.4KW Refrigeration Semi-Hermetic Compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SP2H0600, SP2H060E
- 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

- Refrigerant: R22, R407C, R134a, R404A, R507
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Oil Charge: 1.8L
- Rated Power: 6HP/4.4KW
- Displacement 50/60Hz: 21/25.7 M3/hr
- Highlight: **SP2H0600 semi-hermetic compressor, 6HP 4.4KW refrigeration compressor, SP2H060E semi-hermetic compressor**



More Images



Product Description

Product Overview

The Refcomp SP2H0600 / SP2H060E is a 6HP (4.4 kW) semi-hermetic reciprocating compressor engineered for commercial refrigeration applications. Its two-cylinder design, precision bearing arrangement and flexible valve configuration deliver dependable performance across a broad range of refrigerants and site conditions.

Key Design Features

Built-in Safety Valve

The internal safety valve connects the high- and low-pressure sides, helping prevent internal pressure from exceeding the specified safety limit. Its precision design supports accurate opening and reliable reset.

360° Rotatable Shut-Off Valve

The suction and discharge shut-off valve can rotate through 360°, offering flexible piping orientation and easier installation. This arrangement helps simplify piping layout around the semi-hermetic compressor.

Reliable Bearing Arrangement

This 2-cylinder semi-hermetic compressor uses a combination of sliding and thrust bearings to handle axial and radial loads. High-precision machining and effective lubrication support stable, low-noise operation.

Motor & Refrigerant Compatibility

The SP2H0600 is a RefComp 6HP semi-hermetic compressor. Its motor design is listed for R22, R407C, R134a, R404A and R507 refrigerants, with partial-winding or star-delta starting options.

Product Image



Technical Specification

Model	SP2H0600, SP2H060E
Rated power	6HP / 4.4 kW
Exhaust volume (50Hz / 60Hz)	21 / 25.7 m³/hr
Refrigerant Type	R22, R407C, R134a, R404A, R507
Weight	87 KG
Oil Charge	1.8 L
Voltage	Δ230V/3/50Hz, Y400V/3/50Hz
Starting current PW / DOL	- / 60A
Max operating current	14A

Model SP		H (High-Temp Compressor)			
		SP2H			
		500 050E	600 060E	800 080E	900 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		Δ230V/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: Which refrigerants are listed for the SP2H0600?

The SP-series motor information lists R22, R407C, R134a, R404A and R507. For an R22 semi-hermetic compressor application, confirm the model's complete operating envelope and refrigerant configuration against your system requirements before ordering.

Q2: What electrical supply and starting arrangements should be confirmed before ordering?

The standard motor data lists Δ230V/3-phase/50Hz and Y400V/3-phase/50Hz. Confirm the available site power supply and selected starting method, such as partial-winding or star-delta starting, before finalizing the motor connection.

Q3: What should be checked before commissioning the compressor?

Verify suction and discharge piping connections, valve orientation, oil charge and crankcase heater wiring. The motor starter and electrical connections should also be checked before initial operation.

Q4: What routine maintenance checks are important for this model?

As a semi-hermetic reciprocating compressor, the SP2H0600 requires attention to lubrication condition, operating noise and vibration, particularly around the bearing assembly. Follow the maintenance schedule and lubricant requirements specified in the product documentation.

