



Refcomp SP Series SP4H3500 SP4H350E Semi Hermetic Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SP4H3500, SP4H350E
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union, T/T
- Supply Ability: 100000Pcs/Year



Product Specification

- Oil Charge: 3.7L
- Refrigerant: R22, R407C, R134a, R404A, R507
- Displacement 50/60Hz: 102.9/123.5 M3/hr
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Rated Power: 35HP/26.1KW
- Highlight: Refcomp SP Series semi hermetic compressor, SP4H3500 semi hermetic compressor with warranty, SP4H350E refrigeration semi hermetic compressor



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Product Description

Refcomp SP Series SP4H3500 SP4H350E Semi Hermetic Compressor

Product Overview

Designed for working pressures up to 28 bar, this semi hermetic reciprocating compressor features optimized internal gas channels to minimize flow resistance and maintain superior compression efficiency.

Step Capacity Control: Supports 100% and 50% capacity regulation stages, allowing flexible adaptation to changing refrigeration loads and reduced operating costs.

Durable Mechanical Construction: Equipped with dynamically balanced crankshaft, wear-resistant sliding sleeve bearings, and optimized connecting rods designed for continuous service life of 50,000 to 80,000 hours.

Integrated Protection & Accessories:

INT69B2 electronic motor protection module

360° rotatable suction and discharge shut-off valves

Built-in high-density suction gas filter

Internal high/low pressure safety relief valve

Multi-Refrigerant Versatility: Engineered for broad working conditions, supporting standard refrigerants including R22, R134a, R404A, R407C, and R507 across 50Hz and 60Hz systems.

Product Image



Technical Specifications

Model	SP4H3500, SP4H350E
Rated Power	35HP/26.1KW
Exhaust Volume (50Hz/60Hz)	102.9/123.5 m³/hr
Refrigerant Type	R22, R407C, R134a, R404A, R507
Weight	238KG
Oil Charge	3.7L

Voltage	400V/3/50Hz, 460V/3/60Hz PW
Starting Current PW/DOL	178/290A
Max Operating Current	56A

Model SP		H (High-Temp Compressor)									
		SP4H					SP6H			SP8H	
		2200	2500	3000	3500	3700	4000	5000	6000	7000	
		220E	250E	300E	350E	370E	400E	500E	600E	700E	
Rated power	Hp/kW	22/16.4	25/18.7	30/22.4	35/26.1	37/27.6	40/29.9	50/37.3	60/45	70/52	
Exhaust volume 50/60Hz	m³/hr	64.7/77.6	75/90	86.1/103.3	102.9/123.5	112.5/135	129.1/154.9	154.4/185.3	186/224	222/268	
Cylinders		4	4	4	4	6	6	6	8	8	
Weight	Kg	193	206	209	238	241	246	250	345	350	
Oil Charge	dm³	3.7	3.7	3.7	3.7	4.2	4.2	4.2	5	5	
Crankcase heater		230V-150W-50/60Hz								230V-200W-50/60Hz	
Exhaust pipe inner diameter Φ	mm/inches	28/1-1/8"	28/1-1/8"	28/1-1/8"	35/1-3/8"	35/1-3/8"	35/1-3/8"	42/1-5/8"	54/2-1/8"	54/2-1/8"	
Suction pipe inner diameter Φ	mm/inches	42/1-5/8"	54/2-1/8"	54/2-1/8"	54/2-1/8"	54/2-1/8"	54/2-1/8"	54/2-1/8"	67/2-5/8"	67/2-5/8"	
Energy regulation		100,50%	100,50%	100,50%	100,50%	100,66,33%	100,66,33%	100,66,33%	100,75,50%	100,75,50%	
Standard motor		400V/3/50Hz 460V/3/60Hz PW								400V/3/50Hz 460V/3/60Hz P W	
Starting current PW/DOL	A	102/170	123/201	150/243	178/290	178/290	201/330	233/394	271/361	329/439	
Starting current Y/D	A	-	-	-	-	-	-	-	-	-	
Max operating current	A	37	43	52	56	60	75	93	115	140	

Frequently Asked Questions

What parameters should be provided to confirm selection for this semi hermetic reciprocating compressor?

Accurate selection requires specifying required cooling capacity, operating evaporating and condensing temperatures, refrigerant type, power supply voltage/frequency, and application details.

How does the built-in motor protection module function on SP series semi-hermetic compressor?

The factory-installed INT69B2 module continuously monitors motor winding temperature to prevent thermal overload and electrical damage under severe operating conditions.

What routine inspections should operators perform to ensure reliable operation?

Regularly inspect the oil level through the sight glass, verify crankcase heater energization before cold startup, monitor operating current, and check suction filter pressure drops.

How does the rotatable valve design simplify system integration?

Both suction and discharge shut-off valves feature 360° rotation capability, enabling flexible connection angles and simplifying pipeline layout in compact machine frames.



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