



Refcomp SP4H2200 SP4H220E R134a Semi Hermetic Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SP4H2200, SP4H220E
- 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

- Displacement 50/60Hz: 64.7/77.6 M3/hr
- Rated Power: 22HP/16.4KW
- Oil Charge: 3.7L
- Refrigerant: R22, R407C, R134a, R404A, R507
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Highlight: R134a semi hermetic compressor,
SP4H2200 semi hermetic compressor,
Refcomp SP4H220E compressor



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Product Description

Refcomp SP4H2200 SP4H220E R134a Semi Hermetic Compressor

Product Overview

High-performance semi-hermetic compressor designed for reliable operation in demanding refrigeration applications.

Optimized Flow & High-Pressure Shell

Designed for working pressures up to 28 bar, this semi hermetic compressor utilizes optimized internal gas channels to minimize pressure loss and maintain high operating efficiency.

Step Capacity Regulation

Provides 100% and 50% energy regulation stages, allowing the semi hermetic compressor to adapt smoothly to changing system cooling loads and optimize energy use.

Balanced Mechanical Design

Features a dynamically balanced crankshaft with wear-resistant sliding bearings, reducing vibration and noise while supporting a design service life of 60,000 to 80,000 hours.

Integrated Protection & Components

- INT69B2 motor protection module
- 360° rotatable suction and discharge shut-off valves
- Built-in high-density suction gas filter
- Internal high/low pressure safety valve

Multi-Refrigerant Compatibility

Engineered for versatile system integration, supporting standard refrigeration media including R22, R134a, R404A, R407C, and R507.

Product Image



Technical Specifications

Model	SP4H2200, SP4H220E
Rated power	22HP/16.4KW
Exhaust volume (50Hz/60Hz)	64.7/77.6 m³/hr
Refrigerant Type	R22, R407C, R134a, R404A, R507

Weight	193KG
Oil Charge	3.7L
Voltage	400V/3/50Hz, 460V/3/60Hz PW
Starting current PW/DOL	102/170A
Max operating current	37A

Model SP		H (High-Temp Compressor)									
		SP4H					SP6H			SP8H	
		2200	2500	3000	3500	3700	4000	5000	6000	7000	
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 key information is needed to confirm selection for this semi hermetic compressor?

Selection requires confirming the required cooling capacity, operating evaporating and condensing temperatures, refrigerant type, power supply specs, and target application.

What motor protection system is included with model SP4H2200?

The compressor is equipped with an INT69B2 protection module, which monitors winding temperature to prevent thermal overload and electrical damage.

What pre-checks should be performed before commissioning this semi hermetic compressor?

Ensure proper oil level in the sight glass, verify crankcase heater operation prior to startup, check suction filter cleanliness, and confirm correct electrical wiring and supply voltage.

Can the suction and discharge valves be adjusted during system piping installation?

Yes, both the suction and discharge shut-off valves feature a 360° rotatable design for flexible connection and simplified pipeline layout during installation.