



Refcomp SP4LF1200 SP4LF120E Semi Hermetic Compressor for Cold Room

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SP4LF1200, SP4LF120E
- 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

- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Oil Charge: 2.6L
- Refrigerant: R22, R407C, R134a, R404A, R507
- Rated Power: 12HP/8.9KW
- Displacement 50/60Hz: 56/67.2 M3/hr
- Oil Lubrication Method: Pressure Lubrication
- Highlight: Refcomp SP4LF1200 cold room compressor, SP4LF120E semi hermetic compressor, semi hermetic compressor for cold room



More Images



Product Description

Refcomp SP4LF1200 SP4LF120E Semi Hermetic Compressor for Cold Room

Product Overview

Direct-Flow Suction Channel

Engineered with direct gas flow paths and an optimized valve plate to lower suction pressure loss and deliver a displacement of 67.2 m³/h.

Heavy-Duty Mechanical Shafting

Equipped with a dynamically balanced 4-cylinder crankshaft, wear-resistant sleeve bearings, and an internal safety relief valve for dependable performance.

Multi-Grid & Refrigerant Adaptability

Supports 400V/50Hz and 460V/60Hz dual-frequency power supplies across standard low-temperature refrigerants, ensuring versatile semi hermetic compressor integration.

Standard Component Package

- Dual 100% and 50% capacity step control
- 360° adjustable suction (35 mm) and discharge (28 mm) valves
- 230V / 220W crankcase heater for off-cycle oil protection
- INT69B2 electronic motor thermal protection module

Product Image



Technical Specifications

Model	SP4LF1200, SP4LF120E
Rated Power	12HP / 8.9KW
Exhaust Volume (50Hz/60Hz)	56 / 67.2 m³/hr
Refrigerant Type	R22, R407C, R134a, R404A, R507
Weight	146 KG
Oil Charge	2.6 L
Voltage	400V/3/50Hz, 460V/3/60Hz PW
Starting Current PW/DOL	75 / 125A
Max Operating Current	27A

Model SP		L (Low-Temp Compressor)							
		SP4LF/SP4LN				SP4L			
		600	800	1000	1200	1500	1800	2200	2500
Rated power	Hp/kW	060E	080E	100E	120E	150E	180E	220E	250E
Exhaust volume 50/60Hz	m³/hr	6/4.5	8/5.9	10/7.5	12/8.9	15/11.2	18/13.3	22/16.4	25/18.7
Cylinders		35/42	42/50.4	49/58.8	56/67.2	64.7/77.6	75/90	86.1/103.3	102.9/123.5
Weight	Kg	4	4	4	4	4	4	4	4
Oil Charge	dm³	134	139	144	146	182	186	195	220
Crankcase heater		2.6	2.6	2.6	2.6	3.7	3.7	3.7	3.7
Exhaust pipe inner diameter Φ	mm/inches	230V-220W-50/60Hz				230V-150W-50/60Hz			
Suction pipe inner diameter Φ	mm/inches	22/7/8"	28/1-1/8	28/1-1/8	28/1-1/8	28/1-1/8"	28/1-1/8"	28/1-1/8"	35/1-3/8"
Energy regulation		28/1-1/8"	35/1-3/8"	35/1-1/8"	35/1-3/8"	42/1-5/8"	42/1-5/8"	54/2-1/8"	54/2-1/8"
Standard motor		100,50%	100,50%	100,50%	100,50%	100,50%	100,50%	100,50%	100,50%
Starting current PW/DOL	A	400V/3/50Hz				400V/3/50Hz			
Starting current Y/D	A	460V/3/60Hz PW				460V/3/60Hz PW			
Max operating current	A	43/70	54/88	71/110	75/125	88/146	102/170	102/170	123/201
		-	-	-	-	-	-	-	-
		16	19	24	27	29	33	39	43

Frequently Asked Questions

What holding pressure should be checked when receiving and unboxing this semi hermetic compressor?

Each unit is shipped with a protective holding charge of dry nitrogen; verify that internal pressure is maintained prior to removing pipe plugs to confirm housing tightness.

How should motor phase wiring be checked to prevent reverse shaft rotation during startup?

Verify power supply phase sequence using a meter before connecting to the terminal board, ensuring the drive motor rotates in the correct direction during initial powering.

How long should the crankcase heater be energized before starting a newly installed semi hermetic compressor?

Keep the 220W heater powered for at least 12 to 24 hours prior to initial startup to thoroughly boil off any dissolved refrigerant trapped in the crankcase oil.

What oil system inspection is recommended after the initial 100-hour operational run-in period?

Check oil clarity through the sight glass, inspect for debris, and replace the suction filter element if a notable pressure differential is detected across the suction strainer.



86-13922880636



info@coolstartcn.com



coldroomunit.com

Room 1801, Building 1, Kangli city, No. 66 Pingji Road, Longgang District, Shenzhen, Guangdong, China