



Refcomp SP4LF0600 SP4LF060E Low Temp Semi Hermetic Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SP4LF0600, SP4LF060E
- 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: 35/42 M3/hr
- Oil Charge: 2.6L
- Rated Power: 6HP/4.5KW
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Refrigerant: R22, R407C, R134a, R404A, R507
- Highlight: Refcomp SP4LF0600 semi hermetic compressor, low temp semi hermetic compressor, SP4LF060E semi hermetic compressor



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Product Description

Refcomp SP4LF0600 SP4LF060E Low Temp Semi Hermetic Compressor

Product Overview

Heavy-duty semi-hermetic compressor engineered for low-temperature applications with robust construction and advanced performance features.

- **Direct Gas Flow & Pressure Shell:** Heavy-duty housing rated up to 28 bar with direct-path gas suction channels to minimize pressure losses and maintain high volumetric efficiency in low-temperature conditions.
- **Balanced Heavy-Duty Drive Mechanism:** Features dynamically balanced crankshaft, wear-resistant sleeve bearings, optimized connecting rods, and internal safety valve for low vibration and stable long-term operation.
- **Broad System & Grid Adaptability:** Engineered for multi-refrigerant operation (R22, R134a, R404A, R407C, R507) with compatibility for both 400V/50Hz and 460V/60Hz industrial power networks.
- **Accessible Components & Protection Package:**
 - Factory 230V / 220W crankcase heater for oil protection during off-cycles
 - INT69B2 motor thermal overload protection module
 - 360° rotatable suction (28 mm) and exhaust (22 mm) shut-off valves
 - Accessible internal suction gas filter

Product Image



Technical Specifications

Model	SP4LF0600, SP4LF060E
Rated Power	6HP / 4.5KW

Exhaust Volume (50Hz/60Hz)	35 / 42 m³/hr
Refrigerant Type	R22, R407C, R134a, R404A, R507
Weight	134 KG
Oil Charge	2.6 L
Voltage	400V/3/50Hz, 460V/3/60Hz PW
Starting Current PW/DOL	43 / 70 A
Max Operating Current	16 A

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

Frequently Asked Questions

What technical data should be provided to verify selection for this semi hermetic type compressor?

Technical evaluation requires providing target evaporating and condensing temperatures, required cooling capacity, operating refrigerant type, power supply specifications, and application details.

What piping insulation and layout practices are recommended during system integration?

Ensure suction lines connected to the 28 mm valve are properly insulated to minimize superheat gain, and install line traps to guarantee efficient oil return during part-load (50%) operation.

What diagnostic steps should be taken if the INT69B2 module trips during operation?

Inspect motor winding connections, measure supply voltage phase balance, confirm current does not exceed the 16 A maximum limit, and check for proper suction gas cooling.

Can additional head cooling or oil protection accessories be specified for this model?

Yes, supplementary cylinder head cooling fans and oil differential pressure switches can be integrated depending on the specific low-temperature evaporating range.



