



Refcomp SRC-S(W)-463 SRC-S-463-L4 R407C Twin Screw Refrigeration Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-463, SRC-S-463-L4
- 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: 510/612 M3/hr
- Oil Charge: 16L
- Rated Power: 160HP/120KW
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Highlight: **Refcomp SRC-S-463 R407C Compressor, Twin Screw Refrigeration Compressor, SRC-S-463-L4 Screw Compressor**



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Product Description

Product Description

- High-Efficiency Rotor Profile:** Optimized rotor geometry supports smooth meshing and continuous gas displacement, maximizing efficiency for commercial and industrial refrigeration.
- Multi-Stage Internal Oil Separation:** Integrated oil separation structure achieves up to 99.85% efficiency, significantly reducing oil carryover to keep system heat exchangers clean.
- Flexible Stepless Capacity Regulation:** Provides 4-step capacity adjustment (100%, 75%, 50%, 25%) and stepless control to precisely match variable refrigeration loads.
- Integrated Motor Safety Protection:** Equipped with an INT69 SNY module and internal PTC thermistors for real-time monitoring of motor windings and discharge gas temperatures.

Product Image



Technical Specification

Model	SRC-S(W)-463	SRC-S-463-L4
Rated power	160HP / 120KW	
Exhaust volume (50Hz / 60Hz)	510 / 612 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	775KG	
Oil Charge	16L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	374 / 1155A	453 / 1333A

Model SRC-S(W)			353	413	463	503	553	603	755	785	885	985	
Standard Motor Power		HP/kW	120/90	140/105	160/120	180/135	200/150	220/164	220/164	240/179	270/201	300/224	
Displacement 50/60[Hz]		m³/h	402/482	445/534	510/612	562/674	600/720	700/840	860/1030	910/1092	1000/1200	1100/1320	
Weight		kg	730	740	775	1010	1030	1020	980	1400	1400	1400	
Oil Charge		dm³	14		16	19		20	23	25			
Electrical Heater			275W-230V-50/60Hz										
Discharge pipe inner diameter/pipe size		mm	80.0/3-1/8"							105.5/4-1/8"			
Suction pipe inner diameter/pipe size		mm	92.5/3-5/8"			105.5/4-1/8"				134.8/0133			
Liquid Injection Connection		mm	10(copper pipe)										
Economizer Connection		mm	28			42		28	42				
Cooling Capacity Regulation			100%,75%,50%,25%(stepless 100%-25%)										
Protection Device			INT69 SNY										
Lubricating Oil			R22:S001,R407C、R404A、R507:S002										
Compressor Positioning Hole			4×Ø19										
Standard Motor			400/3/50Hz-460/3/60Hz										
Y/Δ	SRC-S-W	LRA Y	A	276	354	374	453	543	543	595	783	876	1062
		LRA Δ	A	876	1155	1155	1333	1645	1645	1802	2348	2627	3186
		FLA	A	195	210	230	265	290	320	418	475	540	590
	SRC-S	LRA Y	A	354	374	453	543	595	595	595	876	1062	1062
		LRA Δ	A	1155	1155	1333	1645	1802	1802	1802	2627	3186	3186
		FLA L	A	225	245	270	300	334	400	418	520	590	650

Frequently Asked Questions

Q: What suction and discharge line dimensions should be planned when installing this screw refrigeration compressor?

A: Piping design should accommodate the 105.5 mm (4-1/8") suction connection and 80.0 mm (3-1/8") discharge connection to minimize line pressure losses.

Q: What steps should be taken prior to initial startup to ensure proper oil system operation?

A: Pre-heat the oil reservoir via the 275W electrical heater to drive off dissolved refrigerant, check that the oil level is visible in the sight glass, and verify oil cleanliness.

Q: How does the built-in INT69 SNY module respond during high load thermal events?

A: The INT69 SNY module constantly reads resistance values from six series-connected PTC sensors inside the motor and discharge port, opening the control relay if limits are exceeded.

Q: What routine checks help prevent performance loss over long duty cycles?

A: Regularly check differential pressure across line filters, inspect terminal box wiring tightness, and monitor operating superheat to ensure balanced system operation.

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