



Refcomp SRC-S(W)-755 SRC-S-755-L4 Semi Hermetic Screw Compressor for Freezing Cold Room

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-755, SRC-S-755-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: 860/1030 M3/hr
- Rated Power: 220HP/164KW
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Oil Charge: 23L
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Highlight: Refcomp SRC-S-755 screw compressor, semi hermetic compressor for cold room, SRC-S(W)-755 freezing compressor



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Product Description

Product Description

Heavy-Duty Mechanical & Bearing Design: Precision high-load axial bearings combined with robust housing structural design support stable continuous operation with low vibration and a design life of up to 80,000 hours.

Flexible Stepless Capacity Control: Supports 4-step capacity regulation (100%, 75%, 50%, 25%) as well as continuous stepless modulation from 100% to 25% to precisely adapt to changing cooling load demands.

Integrated Multi-Stage Oil Separation: Built-in internal oil separator achieves up to 99.85% separation efficiency, drastically reducing oil circulation to keep evaporator heat exchange surfaces clean.

Comprehensive Safety & System Protection: Features an INT69 SNY module paired with 6 series-connected internal PTC thermistors for continuous real-time monitoring of motor coil and discharge gas temperatures.

Product Image



Technical Specification

Model	SRC-S(W)-755	SRC-S-755-L4
Rated power	220HP / 164KW	
Exhaust volume (50Hz / 60Hz)	860 / 1030 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	980 KG	
Oil Charge	23 L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	595 / 1802A	595 / 1802A

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

FAQ

Q: What suction and discharge piping considerations apply to the SRC-S(W)-755 (SRC-S-755-L4) semi hermetic screw compressor?

A: Both the suction and discharge ports feature a 105.5 mm (4-1/8") connection size; field piping should maintain uniform internal pipe diameters to minimize gas line pressure drops.

Q: What preliminary electrical inspections are required prior to energizing the compressor motor?

A: Confirm three-phase supply voltage stability, check phase sequence to ensure correct clockwise rotation, and verify that the built-in INT69 SNY protection module is fully operational.

Q: How does the capacity modulation system operate under variable system thermal loads?

A: The internal slide valve mechanism adjusts refrigerant compression volume via 4-step loading or continuous stepless control, balancing output against fluctuating refrigeration requirements.

Q: What routine servicing procedures maintain optimal lubricant quality and system longevity?

A: Regularly inspect the oil level through the sight glass, verify pressure differentials across line strainers, and test lubricant condition periodically for contamination or viscosity breakdown.



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