



Refcomp SRC-S(W)-163 SRC-S-163-L4 R22 Screw Compressor for HVAC Refrigeration

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-163, SRC-S-163-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

- Rated Power: 50HP/37KW
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Displacement 50/60Hz: 175/210 M3/hr
- Oil Charge: 6L
- Highlight: Refcomp SRC-S-163 R22 Screw Compressor, SRC-S-163-L4 HVAC Refrigeration Compressor, Refcomp Screw Compressor for Refrigeration



More Images



Product Description

Product Description

- High-Efficiency Rotor Profile** — Patented rotor geometry ensures smooth continuous engagement and optimized gas flow, delivering reliable operation for commercial HVAC and process cooling systems.
- Heavy-Duty Bearing Assembly** — Precision-matched high-load bearings combined with balanced axial force distribution support long operational life and low vibration levels.
- Integrated Internal Oil Separator** — Multi-stage internal oil separation structure achieves up to 99.85% efficiency, maintaining optimal lubrication while preventing excessive oil circulation.
- Flexible Stepless Capacity Control** — Supports both 4-step (100%, 75%, 50%, 25%) and continuous stepless capacity adjustment to adapt precisely to varying system load conditions.

Product Image



Technical Specification

Parameter	SRC-S(W)-163	SRC-S-163-L4
Rated Power	50HP / 37KW	
Exhaust Volume (50Hz / 60Hz)	175 / 210 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	335 KG	
Oil Charge	6 L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	134 / 406A	182 / 547A

Model SRC-S(W)			113	133	163	183	213	255	285	305	
Standard Motor Power			HP/kW	30/22	40/30	50/37	60/45	70/52	80/60	90/67	100/75
Displacement 50/60[Hz]			m³/h	118/142	150/180	175/210	205/246	237/284	286/343	318/382	341/409
Weight			kg	325	330	335	510	515	585	590	595
Oil Charge			dm³	6			7		10		
Electrical Heater				200W-230V-50/60Hz							
Discharge pipe inner diameter/pipe size			mm	42.2/1-5/8"			54.1/2-1/8"				
Suction pipe inner diameter/pipe size			mm	54.1/2-1/8"			67.0/2-5/8"		80.0/3-1/8"		
Liquid Injection Connection			mm	10(copper pipe)							
Economizer Connection			mm	22							
Cooling Capacity Regulation				100%,75%,50%,25%(stepless 100%-25%)							
Protection Device				INT69 SNY							
Lubricating Oil				R22:S001							
Compressor Positioning Hole				4×Ø19							
Standard Motor				400/3/50Hz-460/3/60Hz							
Y/Δ	SRC-S-W	LRA Y	A	109	131	134	139	159	193	254	254
		LRA Δ	A	331	398	406	422	459	580	770	770
		FLA	A	70	82	86	105	115	140	160	170
	SRC-S	LRA Y	A	131	134	182	159	193	257	318	318
		LRA Δ	A	398	406	547	459	580	770	953	953
		FLA L	A	80	90	96	124	140	168	192	196

FAQ

Q: What design parameters should be confirmed when selecting the SRC-S-163 (SRC-S-163-L4) screw compressor HVAC model?

A: Provide the required cooling capacity, evaporating and condensing temperatures, target refrigerant, power supply standards, and whether economizer subcooling or auxiliary liquid injection is needed.

Q: What essential procedures must be followed during initial installation and commissioning?

A: Ensure the crankcase electrical heater is energized prior to start-up to evaporate liquid refrigerant, verify phase sequence for correct rotor rotation, and inspect oil level clarity through the sight glass.

Q: How does the built-in INT69 SNY protection system operate in real-time?

A: The INT69 SNY module monitors six internal PTC thermistors embedded in the motor windings and discharge port, immediately triggering a circuit shutdown if over-temperature conditions occur.

Q: What routine servicing tasks maintain compressor performance over extended duty cycles?

A: Check operating pressures and oil levels regularly, inspect the suction inlet strainer for debris, and test oil quality periodically to ensure proper viscosity and cleanliness.

 **Shenzhen Coolstart Refrigeration Equipment Co., Ltd**

 86-13922880636

 info@coolstartcn.com

 coldroomunit.com

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