



Refcomp SRC-S(W)-183 SRC-S-183-L4 Semi-hermetic Refrigeration Screw Compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-183, SRC-S-183-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: 60HP/45KW
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Oil Charge: 7L
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Displacement 50/60Hz: 205/246 M3/hr
- Highlight: Refcomp SRC-S-183 screw compressor, semi-hermetic refrigeration screw compressor, SRC-S(W)-183 refrigeration compressor



More Images



Product Description

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- Integrated Internal Oil Separator** — Multi-stage oil separation design achieves up to 99.85% efficiency, minimizing oil carryover and ensuring clean heat transfer across system heat exchangers.
- Flexible Stepless Capacity Regulation** — Provides 4-step adjustment (100%, 75%, 50%, 25%) and stepless control from 100% to 25%, allowing optimal load matching and power savings under variable operating conditions.
- Built-In Thermal Motor Protection** — Equipped with an INT69 SNY protection module and six series PTC thermistors to deliver real-time monitoring of motor winding temperatures and discharge gas limits.
- Heavy-Duty Mechanical & Bearing Design** — Precision-matched high-load bearings and low-vibration rotor profile ensure stable continuous running with extended service intervals in demanding commercial duty.

Product Image



Technical Specification

Model	SRC-S(W)-183	SRC-S-183-L4
Rated power	60HP / 45KW	
Exhaust volume (50Hz / 60Hz)	205 / 246 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	510 KG	
Oil Charge	7 L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	139 / 422A	159 / 459A

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

Frequently Asked Questions

Q: What technical criteria are required to properly size the SRC-S-183 refrigeration screw compressor for a system project?

A: You should provide target cooling capacity, design evaporating and condensing temperatures, selected refrigerant type, operating voltage/frequency, and subcooling requirements such as economizer integration.

Q: What essential checks should be completed prior to initial compressor startup?

A: Verify phase rotation sequence, energize the crankcase heater in advance to clear liquid refrigerant, and inspect suction filter cleanliness along with proper oil level in the sight glass.

Q: How does the INT69 SNY module respond during abnormal thermal conditions?

A: The INT69 SNY module continuously reads signals from embedded PTC sensors in the motor coils and discharge chamber, tripping the safety relay if operating temperature thresholds are exceeded.

Q: What routine maintenance procedures keep the lubrication system performing reliably?

A: Monitor oil level clarity through the sight glass, inspect suction strainer cleanliness, track oil pressure differentials, and sample oil periodically for viscosity and purity checks.

