



Refcomp SRC-S(W)-113 SRC-S-113-L4 30HP Screw Refrigeration Compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-113, SRC-S-113-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

- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Rated Power: 30HP/22KW
- Oil Charge: 6L
- Displacement 50/60Hz: 118/142 M3/hr
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Highlight: **Refcomp SRC-S-113 Screw Compressor, 30HP Refrigeration Screw Compressor, SRC-S(W)-113 Screw Compressor**



More Images



Product Description

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- High-Efficiency Rotor Profile** — Optimized profile design and smooth operation ensure high compression efficiency for medium and low-temperature applications.
- Durable Bearing & Mechanical Structure** — Precision-matched bearings combined with high-load resistance design support stable continuous operation with a design life of up to 80,000 hours.
- Integrated Internal Oil Separator** — High-efficiency three-stage internal oil separation reaches up to 99.85% efficiency, reducing oil circulation and protecting system heat exchangers.
- Advanced Motor & Thermal Protection** — Features INT69 SNY module with 6 series PTC thermistors for real-time monitoring of motor coil and discharge gas temperatures.

Product Image



Technical Specification

Model	SRC-S(W)-113	SRC-S-113-L4
Rated power	30HP / 22KW	
Exhaust volume (50Hz / 60Hz)	118 / 142 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	325 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	109 / 331 A	131 / 398 A

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 parameters should I provide when selecting the SRC-S-113 (SRC-S-113-L4) screw refrigeration compressor for a system design?

A: You should provide the required cooling capacity, operating temperatures (evaporating and condensing temperatures), refrigerant type, power supply specifications, and whether liquid injection or economizer subcooling is needed.

Q: What key checks are required for the oil circuit and suction filter before commissioning this compressor?

A: Ensure the suction filter and 100µm suction screen are clean, verify that the initial oil charge reaches the specified sight glass level with the correct oil viscosity grade, and confirm the crankcase heater is energized before startup to prevent liquid slugging.

Q: How does the built-in protection system safeguard the compressor during continuous operation?

A: The INT69 SNY protection module works with internal PTC sensors to constantly monitor motor winding temperatures and discharge gas temperatures, automatically interrupting control power if thermal limits are exceeded.

Q: What routine maintenance should be performed to maintain long-term stability and lubrication performance?

A: Periodically inspect the oil level, monitor pressure drops across the suction filter, check for refrigerant or oil leaks around suction/discharge stop valves, and replace lubricating oil based on operating hours and oil quality tests.

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

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