



Refcomp SRC-S(W)-285 SRC-S-285-L4 Refrigeration Screw AC Compressor for Cold Room

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-285, SRC-S-285-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: 90HP/67KW
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Oil Charge: 10L
- Displacement 50/60Hz: 318/382 M3/hr
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Highlight: Refcomp SRC-S-285 screw compressor, Refrigeration screw compressor for cold room, SRC-S-285-L4 AC compressor



More Images



Product Description

Product Overview

- High-Efficiency Rotor Geometry:** A patented rotor profile design supports smooth compression and low vibration, delivering high efficiency for demanding commercial applications with this screw AC compressor.
- Heavy-Duty Bearing & Mechanical Structure:** Precision axial bearings and robust housing construction ensure stable continuous operation and a long operational service life.
- Integrated Internal Oil Separator:** A multi-stage oil separation structure reaches up to 99.85% efficiency, reducing oil carryover to protect system heat exchanger performance.
- Flexible Stepless Capacity Regulation:** Provides 4-step control (100%, 75%, 50%, 25%) and stepless capacity adjustment to adapt precisely to varying cooling load demands.



Technical Specification

Model	SRC-S(W)-285	SRC-S-285-L4
Rated power	90HP / 67KW	
Exhaust volume (50Hz / 60Hz)	318 / 382 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	590 KG	
Oil Charge	10 L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	254 / 770A	318 / 953A

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 operating parameters are required to properly size this screw AC compressor for system integration?

A: Provide the required cooling duty, design evaporating and condensing temperatures, targeted refrigerant type, power supply specifications, and economizer subcooling requirements.

Q: What essential pre-commissioning checks ensure safe startup of this screw AC compressor?

A: Energize the crankcase heater prior to initial start to clear liquid refrigerant migration, verify correct phase rotation sequence, and confirm proper oil level visibility through the sight glass.

Q: How does the built-in INT69 SNY module safeguard the motor windings and discharge chamber?

A: The INT69 SNY module receives continuous temperature signals from six series PTC thermistors embedded inside the motor and discharge port, automatically tripping control power if limits are exceeded.



86-13922880636



info@coolstartcn.com



coldroomunit.com

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