



Refcomp SRC-S(W)-305 SRC-S-305-L4 R410A Screw Type 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)-305, SRC-S-305-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
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Rated Power: 100HP/75KW
- Oil Charge: 10L
- Displacement 50/60Hz: 341/409 M3/hr
- Highlight: **Refcomp SRC-S-305 screw compressor, R410A refrigeration screw compressor, SRC-S(W)-305 screw compressor**



More Images



Product Description

Key Features

High-Efficiency Rotor Geometry

Patented rotor profile design ensures smooth meshing and continuous gas displacement, maximizing compression efficiency for heavy-duty commercial refrigeration.

Integrated Internal Oil Separator

Multi-stage oil separation reaches up to 99.85% efficiency, minimizing oil carryover and ensuring high heat transfer performance in system heat exchangers.

Flexible Stepless Capacity Regulation

Features 4-step capacity control (100%, 75%, 50%, 25%) and continuous stepless modulation to match real-time cooling loads efficiently.

Advanced Motor Thermal Protection

Equipped with an INT69 SNY protection module and 6 embedded PTC thermistors for continuous real-time temperature monitoring of motor coils and discharge gas.

Product Image



Technical Specifications

Parameter	SRC-S(W)-305	SRC-S-305-L4
Rated Power	100HP / 75KW	100HP / 75KW
Exhaust Volume (50Hz / 60Hz)	341 / 409 m³/hr	341 / 409 m³/hr
Refrigerant Type	R22, R407C, R410A, R404A, R507A	R22, R407C, R410A, R404A, R507A
Weight	595 KG	595 KG
Oil Charge	10 L	10 L
Voltage	400/3/50Hz – 460/3/60Hz	400/3/50Hz – 460/3/60Hz
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	100%, 75%, 50%, 25% (stepless 100%–25%)
LRA Y/Δ	254 / 770 A	318 / 953 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 are needed to correctly select the SRC-S-305 screw type refrigeration compressor for a project?

A: You should provide the required cooling capacity, operating evaporating and condensing temperatures, refrigerant selection, supply power standards, and whether economizer subcooling or liquid injection is required.

Q: What pre-commissioning checks should be completed before starting this compressor?

A: Energize the crankcase electrical heater beforehand to prevent liquid refrigerant accumulation, verify correct three-phase supply sequence, check oil clarity through the sight glass, and inspect suction filter cleanliness.

Q: How does the built-in protection system react to high operating temperatures?

A: The INT69 SNY module processes signals from six internal PTC thermistors placed in motor windings and discharge areas, opening the safety circuit to trip the unit if operating limits are exceeded.

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