



Refcomp SRC-S(W)-255 SRC-S-255-L4 80HP Commercial AC 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)-255, SRC-S-255-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: 80HP/60KW
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Displacement 50/60Hz: 286/343 M3/hr
- Oil Charge: 10L
- Highlight: Refcomp SRC-S-255 AC screw compressor, 50HP commercial refrigeration screw compressor, SRC-S(W)-255 screw compressor for AC



More Images



Product Description

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- High-Efficiency Rotor Geometry:** Optimized rotor profile design ensures smooth meshing and superior gas flow, delivering reliable operation for this AC screw compressor.
- Multi-Stage Internal Oil Separation:** Integrated oil separator achieves up to 99.85% separation efficiency, minimizing oil carryover and protecting system components.
- Flexible Capacity Regulation:** Supports 4-step capacity adjustment (100%, 75%, 50%, 25%) and continuous stepless control to match varying thermal loads precisely.
- Advanced Thermal Protection Module:** Equipped with an INT69 SNY module and internal PTC thermistors for real-time monitoring of motor winding and discharge temperatures.

Product Image



Technical Specification

Model	SRC-S(W)-255	SRC-S-255-L4
Rated power	80HP / 60KW	
Exhaust volume (50Hz / 60Hz)	286 / 343 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	585 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	193 / 580A	257 / 770A

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 criteria are essential when selecting this AC screw compressor for a large cooling installation?

A: You should evaluate the required cooling capacity, operating evaporating and condensing temperatures, refrigerant type, and power supply standards.

Q: What pre-start checks should be performed to protect the lubrication and electrical systems?

A: Ensure the crankcase heater is energized beforehand to prevent liquid slugging, verify correct phase sequence rotation, and check oil level visibility in the sight glass.

Q: How does the built-in INT69 SNY protection function during operation of the AC screw compressor?

A: The module continuously monitors signals from internal PTC thermistors in the motor windings and discharge port, immediately tripping the control circuit if thermal limits are exceeded.

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