



Refcomp SRC-S(W)-985 SRC-S-985-L4 300HP Twin 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)-985, SRC-S-985-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

- Oil Charge: 25L
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Rated Power: 300HP/224KW
- Displacement 50/60Hz: 1100/1320 M3/hr
- Highlight: Refcomp SRC-S-985 screw compressor, 300HP twin screw refrigeration compressor, SRC-S-985-L4 refrigeration screw compressor



More Images



Product Description

Product Description

- High-Efficiency Rotor Geometry:** Patented asymmetric rotor profile design ensures smooth rotor engagement and optimal displacement volume, delivering maximized COP for heavy-duty cooling.
- Heavy-Duty Bearing & Mechanical Architecture:** Precision axial bearings coupled with a reinforced casing structure handle heavy radial loads for continuous full-duty operation with high mechanical reliability.
- Integrated Multi-Stage Oil Separation:** Advanced internal multi-stage oil separator reaches separation efficiency up to 99.85%, minimizing lubricant circulation and keeping system heat exchangers free of oil fouling.
- Advanced Motor Thermal Protection:** Features an INT69 SNY module paired with 6 series-connected internal PTC thermistors for continuous real-time monitoring of motor coil and discharge gas temperatures.

Product Image



Technical Specification

Model	SRC-S(W)-985	SRC-S-985-L4
Rated power	300HP / 224KW	
Exhaust volume (50Hz / 60Hz)	1100 / 1320 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	1400 KG	
Oil Charge	25 L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	1062 / 3186 A	1062 / 3186 A

Model SRC-S(W)		353	413	463	503	553	603	755	785	885	985		
Standard Motor Power		HP/kW	120/90	140/105	160/120	180/135	200/150	220/164	220/164	240/179	270/201	300/224	
Displacement 50/60[Hz]		m³/h	402/482	445/534	510/612	562/674	600/720	700/840	860/1030	910/1092	1000/1200	1100/1320	
Weight		kg	730	740	775	1010	1030	1020	980	1400	1400	1400	
Oil Charge		dm³	14		16	19		20	23	25			
Electrical Heater			275W-230V-50/60Hz										
Discharge pipe inner diameter/pipe size		mm	80.0/3-1/8"							105.5/4-1/8"			
Suction pipe inner diameter/pipe size		mm	92.5/3-5/8"			105.5/4-1/8"				134.8/0133			
Liquid Injection Connection		mm	10(copper pipe)										
Economizer Connection		mm	28			42		28	42				
Cooling Capacity Regulation			100%,75%,50%,25%(stepless 100%-25%)										
Protection Device			INT69 SNY										
Lubricating Oil			R22:S001,R407C、R404A、R507:S002										
Compressor Positioning Hole			4×Ø19										
Standard Motor			400/3/50Hz-460/3/60Hz										
Y/Δ	SRC-S-W	LRA Y	A	276	354	374	453	543	543	595	783	876	1062
		LRA Δ	A	876	1155	1155	1333	1645	1645	1802	2348	2627	3186
		FLA	A	195	210	230	265	290	320	418	475	540	590
	SRC-S	LRA Y	A	354	374	453	543	595	595	595	876	1062	1062
		LRA Δ	A	1155	1155	1333	1645	1802	1802	1802	2627	3186	3186
		FLA L	A	225	245	270	300	334	400	418	520	590	650

FAQ

Q: What key engineering inputs are required to properly size the SRC-S(W)-985 (SRC-S-985-L4) screw type refrigeration compressor for cold storage applications?

A: Engineers must determine the required cooling duty, operating evaporating and condensing temperatures, targeted refrigerant, mains electrical supply parameters, and economizer subcooling requirements.

Q: What crucial startup procedures safeguard the oil charge and internal bearings during initial system power-up?

A: Pre-heat the crankcase via the 275W electrical heater before startup to drive off absorbed refrigerant, verify correct phase sequence rotation, and ensure the oil level is clearly visible in the sight glass.

Q: How does the built-in INT69 SNY protection system safeguard the 300 HP motor during high-load conditions?

A: The module constantly reads resistance from six series-connected PTC sensors inside the motor coils and discharge gas chamber, instantly tripping the safety circuit if thermal thresholds are breached.

Q: What routine maintenance protocols maintain optimal lubricant performance and system heat exchange efficiency?

A: Regularly log operating oil pressure differentials, inspect oil clarity through the sight glass, verify suction filter pressure drop, and test lubricant quality periodically for thermal breakdown or contamination.

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

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