



Refcomp SRC-S(W)-785 SRC-S-785-L4 High Temperature Refrigeration AC Screw Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-785, SRC-S-785-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: 240HP/179KW
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Displacement 50/60Hz: 910/1092 M3/hr
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Oil Charge: 25L
- Highlight: Refcomp SRC-S-785 screw compressor, high temperature refrigeration compressor, AC screw compressor



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Product Description

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- High-Efficiency Rotor Geometry** — Patented asymmetric rotor profile ensures smooth, precise meshing and continuous gas displacement, delivering optimized compression performance for heavy-duty commercial cooling applications.
- Heavy-Duty Bearing Architecture** — Precision high-load axial bearings and robust housing construction support low vibration and extended operational service life under continuous full-load demand.
- Multi-Stage Internal Oil Separation** — Integrated internal oil separator achieves up to 99.85% separation efficiency, significantly reducing lubricant carryover to maintain high heat exchanger effectiveness.
- Flexible Stepless Capacity Regulation** — Provides 4-step capacity control (100%, 75%, 50%, 25%) as well as continuous stepless modulation to match fluctuating air conditioning and industrial cooling loads.

Product Image



Technical Specification

Model	SRC-S(W)-785	SRC-S-785-L4
Rated power	240HP / 179KW	
Exhaust volume (50Hz / 60Hz)	910 / 1092 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	1400KG	
Oil Charge	25L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	783 / 2348A	876 / 2627A

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 information should be submitted when selecting the SRC-S(W)-785 (SRC-S-785-L4) AC screw compressor for system design?

A: You should provide target cooling capacity, design evaporating and condensing temperatures, target refrigerant type, power supply standards, and economizer subcooling requirements.

Q: What crucial pre-start steps ensure proper commissioning of the oil and electrical systems?

A: Energize the 275W crankcase heater prior to initial startup to clear liquid refrigerant, verify correct three-phase rotation sequence, and check that the oil level is clearly visible in the sight glass.

Q: How does the built-in INT69 SNY module safeguard the compressor during operation?

A: The INT69 SNY protection module processes real-time resistance signals from six series-connected PTC thermistors embedded in the motor windings and discharge port, tripping the control relay if thermal limits are exceeded.

Q: What routine maintenance practices help ensure stable long-term lubrication performance?

A: Regularly inspect oil sight glass level and clarity, monitor differential pressure across suction strainers and oil filters, and periodically test lubricant quality for viscosity loss or contamination.

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

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