



Refcomp SRC-S(W)-353 SRC-S-353-L4 Semi-Hermetic Screw Air Conditioning Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-353, SRC-S-353-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

- Refrigerant: R22, R407C, R410a, R404A, R507A
- Displacement 50/60Hz: 402/482 M3/hr
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Rated Power: 120HP/90KW
- Oil Charge: 14L
- Highlight: Semi-Hermetic Screw Compressor, Refcomp SRC-S-353 Air Conditioning Compressor, Refrigeration Screw Compressor



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Product Description

Product Overview

- High-Efficiency Rotor Geometry:** Patented rotor profile supports smooth engagement and low-vibration operation, delivering dependable compression performance for this screw air conditioning compressor.
- Flexible Stepless Capacity Regulation:** Provides 4-step capacity control (100%, 75%, 50%, 25%) alongside continuous stepless regulation to match varying thermal loads in HVAC systems.
- Integrated Internal Oil Separator:** High-efficiency multi-stage oil separation reaches up to 99.85%, minimizing oil carryover to protect system heat exchanger performance.
- Advanced Motor Thermal Protection:** Equipped with an INT69 SNY protection module and 6 embedded PTC thermistors for real-time thermal monitoring of motor coils and discharge gas.

Product Image



Technical Specification

Model	SRC-S(W)-353	SRC-S-353-L4
Rated power	120HP / 90KW	
Exhaust volume (50Hz / 60Hz)	402 / 482 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	730 KG	
Oil Charge	14 L	
Voltage	400/3/50Hz – 460/3/60Hz	
Cooling Capacity Regulation	100%, 75%, 50%, 25% (stepless 100%–25%)	
LRA Y/Δ	276 / 876 A	354 / 1155 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

Frequently Asked Questions

Q: How does the integrated oil separator design assist with system piping layout?

A: The high-efficiency internal oil separator minimizes oil carryover into external system lines, allowing engineers to simplify discharge piping design and maintain optimal heat exchange in evaporators and condensers.

Q: What electrical protection settings should be verified on the control cabinet prior to initial startup?

A: Verify that the INT69 SNY protection module is properly wired into the main control circuit and ensure phase-sequence protection and overcurrent relays are calibrated according to standard motor ratings.

Q: What routine operating checks should maintenance technicians perform during weekly plant inspections?

A: Technicians should log suction and discharge pressures, inspect the oil level through the sight glass, verify proper operating temperature differential, and check for unusual noise or casing vibration.

Q: How should the compressor be prepared and protected during extended system shutdowns?

A: Perform a system pump-down to isolate refrigerant, ensure the crankcase heater remains continuously energized to prevent liquid migration, and isolate main electrical breakers if servicing the panel.

