



Refcomp SRC-S(W)-413 SRC-S-413-L4 Semi-Hermetic Screw Type Compressor for Rooftop AC Unit

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SRC-S(W)-413, SRC-S-413-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

- Displacement 50/60Hz: 445/534 M3/hr
- Oil Charge: 14L
- Refrigerant: R22, R407C, R410a, R404A, R507A
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Rated Power: 140HP/105KW



More Images



Product Description

Product Description

High-Efficiency Rotor Geometry: Patented rotor profile design supports smooth meshing engagement and optimized gas flow, delivering high compression performance for medium and low-temperature refrigeration.

Heavy-Duty Bearing & Mechanical Structure: Precision axial bearings combined with high-load resistance design ensure low vibration and stable continuous running with an extended operational lifespan.

Integrated Internal Oil Separation: Multi-stage internal oil separator achieves separation efficiency up to 99.85%, significantly reducing oil carryover into the system heat exchangers.

Advanced Motor & Thermal Protection: Features an INT69 SNY protection module integrated with 6 internal PTC thermistors for real-time monitoring of motor winding and discharge gas temperatures.

Product Image



Technical Specification

Model	SRC-S(W)-413	SRC-S-413-L4
Rated power	140HP/105KW	
Exhaust volume(50Hz/60Hz)	445/534 m³/hr	
Refrigerant Type	R22, R407C, R410a, R404A, R507A	
Weight	740KG	
Oil Charge	14L	
Voltage	400/3/50Hz-460/3/60Hz	
Cooling Capacity Regulation	100%,75%,50%,25%(stepless 100%-25%)	
LRA Y/Δ	354/1155A	374/1155A

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 installation considerations should be addressed regarding line sizing for this semi hermetic screw type compressor?

A: Ensure discharge lines match the 80.0 mm (3-1/8") port and suction piping aligns with the 92.5 mm (3-5/8") connection to prevent excessive refrigerant pressure drops.

Q: What step-by-step procedures should be followed during initial unit commissioning?

A: Pre-heat the crankcase via the 275W electrical heater to clear liquid refrigerant, check phase rotation for correct rotor spinning, and verify oil sight glass level prior to starting.

Q: How does the capacity control mechanism adjust during continuous operation?

A: The capacity modulation system regulates compression volume via stepped (100%, 75%, 50%, 25%) or continuous stepless control to balance system load fluctuations efficiently.

Q: What routine service actions help maintain long-term lubrication performance?

A: Regularly inspect oil color and level in the sight glass, check suction filter pressure drop, and test oil quality periodically for contamination or viscosity loss.

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