

Refcomp SW3L-9500 95HP Screw Refrigeration Compressor for Air Conditoning System

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Refcomp
- Certification: CE
- Model Number: SW3L-9500
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union,T/T
- Supply Ability: 10000Pcs/Year



Product Specification

- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Refrigerant: R22, R134a, R507, R404A, R407C, R410a
- Voltage: 400V/3/50Hz, 460/3/60Hz
- Displacement: 318/382 M3/hr
- Rated Power: 95HP/71KW
- Highlight: **Refcomp SW3L-9500 screw compressor**, **95HP semi hermetic compressor**, **screw compressor for air conditioning**



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Product Description

Product Overview

The Refcomp SW3L-9500 is a 95HP (71kW) screw refrigeration compressor engineered for air conditioning and industrial refrigeration systems. It combines flexible capacity control, precision multi-bearing rotor support, intelligent motor protection and integrated pressure safety protection to deliver stable, efficient and reliable compression performance.

Key Features

Flexible Capacity Control

The SW3L-9500 uses a slide-valve system with stepped capacity control or an optional stepless configuration. As a variable capacity screw compressor, it helps match output to changing cooling loads and reduces unnecessary full-capacity operation.

Precision Multi-Bearing Support

The multi-bearing arrangement supports both axial and radial rotor loads, helping maintain stable alignment during compression. Precision fitting and effective lubrication reduce mechanical friction and noise, supporting smoother operation and limiting component wear.

Intelligent Motor Protection

The INT69 SNY protection module works with six PTC temperature sensors to help protect against motor overheating, reverse phase sequence and phase loss. Operating-status feedback makes abnormal conditions easier to identify, supporting timely troubleshooting and reducing the risk of motor damage.

Integrated Pressure Safety Protection

The internal safety valve connects the high- and low-pressure sides to help prevent excessive pressure differences. Its controlled opening and reliable reseating provide additional protection during abnormal operating conditions, helping reduce the risk of pressure-related damage.

Product Image



Technical Specification

Model	SW3L-9500
Rated power	95HP / 71KW
Displacement 50/60Hz	318 / 382 m³/hr
Weight	525 KG
Capacity Regulation	25%, 50%, 75%, 100% 4-step; 25%–100% stepless
Standard Motor	Y/△ – 400V/3/50Hz – 460/3/60Hz
Star/Delta Start Current	318 / 953 A
Max operating current	154 A

Model		SW3L(Low Temperature)						
		3000	4000	5000	6000	7000	8000	9500
Nominal Power	HP/KW	30/22	40/30	50/37	60/45	70/52	80/60	95/71
Displacement 50/60Hz	m³/hr	118/142	150/180	175/210	205/246	237/284	286/343	318/382
Weight	Kg	245	255	265	410	420	520	525
Discharge Pipe Inner Diameter	mm / in	42/(1-5/8")	42/(1-5/8")	42/(1-5/8")	54/(2-1/8")	54/(2-1/8")	54/(2-1/8")	54/(2-1/8")
Suction Pipe Inner Diameter	mm / in	54/(2-1/8")	54/(2-1/8")	54/(2-1/8")	67/(2-5/8")	67/(2-5/8")	80/(3-1/8")	80/(3-1/8")
Oil Line Connector	mm / in	Φ16mm / (5/8")SAE						
Capacity Regulation		25%, 50%, 75%, full load 4-step regulation or 25%~full load stepless regulation						
Protection Module		INT69 SNY						
Standard Motor		Y/△ - 400V/3/50Hz - 460/3/60Hz						
Star/Delta Start Current	A	110/331	131/398	134/406	139/422	139/459	223/670	318/953
Max Operating Current	A	65	80	88	103	117	139	154

FAQ

Q1: What information is needed to select the SW3L-9500 for low-temperature refrigeration?

For an industrial refrigeration screw compressor installation, provide the required cooling capacity, refrigerant, evaporating and condensing temperatures, power supply and expected load conditions. The screw refrigeration compressor should be checked against its approved operating range before selection.

Q2: Does the SW3L-9500 require an external oil separator?

Yes. The SW3 series does not include an integrated oil separator, so a properly matched external oil separation and return arrangement is required. Check oil filtration, flow protection and piping connections against the manufacturer's installation requirements.

Q3: What electrical checks are needed before commissioning?

The SW3L-9500 uses star-delta motor starting. Before starting this 95 HP screw compressor, verify the supply voltage, starter wiring, phase sequence and motor protection connections against the manufacturer's electrical diagram.

Q4: What should I check when replacing an existing compressor with the SW3L-9500?

When replacing an existing screw refrigeration compressor, compare the required operating range, mounting dimensions, suction and discharge connections, oil-line fittings and capacity-control interface. These checks help identify potential mechanical and electrical compatibility issues before installation.

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