



6NW2209S7NA-A00 60HP Refrigeration Screw Compressor for Rooftop AC Unit

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NW2209S7NA-A00
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union, T/T
- Supply Ability: 100PC



Product Specification

- Compressor Type: Screw
- Condensertype: Water-cooled
- Commercial Refrigeration: HVAC&Cooling Units
- Refrigerant: R134a
- Horse Power: 60HP
- Highlight: 60HP refrigeration screw compressor, rooftop AC unit screw compressor, screw air compressor with warranty



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Product Description

6NW2209S7NA-A00 60HP Refrigeration Screw Compressor for Rooftop AC Unit

Product Overview

High-efficiency refrigeration screw compressor designed for commercial rooftop AC units and water-cooled liquid chilling equipment.

Optimized Energy Efficiency: Features internal Vi 2.5 profile and 3-step capacity modulation (100%-66%-33%) to prevent energy loss from gas over-compression and minimize utility overhead.

Quiet Operation: Precision-balanced twin screw rotors, integrated discharge muffler, and optimized fluid channels ensure stable, low-noise performance with minimal vibration.

Durable Construction: Equipped with heavy-duty SKF/NSK bearings, internal oil filtration system, automatic reverse-rotation check valve, NTC winding thermistors, and built-in safety relief valve.



Technical Specifications

Model	06NW2209S7NA-A00
Nominal Power	60 HP
Refrigerant Type	R134a
Displacement (60/50Hz)	209 CFM / 290 m³/h
Economizer	N
Rated Voltage	450V-50Hz-92.5A 400V-50Hz-90.2A
Weight	375 kg

Type	Displacement 60/50Hz	Interface Size			Compressor Model Number	Econo mizer Y / N	Horse Power (HP)	Rated Voltage (V-Hz, A)			Locked Rotor Current (A)		Weight (KG)
		Suction	Discharge	Economizer				Voltage/Freq	RLA	PF	LRA(Y)	LRA(Δ)	
Water Cooled Vi	209CFM 290m3/s	2-5/8	4-1/8	1-3/8	06NW*209S7NA	N	60	460-60	92.5	0.87	153	485	375
					06NW*209T6NA			400-50	90.2	0.85	160	506	
					06NW*209U5NA			575-60	74	0.87	123	388	
					06NW*209W7NA			230-50	156.9	0.85	255	808	
					06NW*209X7NA			380-60	112	0.87	169	536	
					06NW*209Z6NA			346-50	104.3	0.85	176	556	
								208/230-60	194.3	0.87	307	970	
								200-50	180.5	0.85	320	1012	
								200-60	212.8	0.87	352	1116	

Manufacturer Profile

Ruifujie is a modern industrial cooling manufacturer with over 20 years of technical expertise. Our product line includes scroll, piston, rotary, semi-hermetic, and screw compressors, complete cold storage systems, quick-freezing tunnels, and commercial ice machinery.

We offer full OEM/ODM customization and export globally to key international markets including Russia, United States, United Kingdom, UAE, and Saudi Arabia. Known for outstanding cost performance and robust engineering capabilities.



Frequently Asked Questions

What are the exact displacement specifications for the 06NW2209S7NA-A00?

The 06NW2209S7NA-A00 features a displacement of 290 m³/h at 50Hz (209 CFM at 60Hz).

Why is the internal Vi 2.5 volume ratio ideal for water-cooled liquid chillers?

The Vi 2.5 internal volume ratio is specifically engineered for moderate pressure ratios in water-cooled systems, ensuring maximum COP efficiency while avoiding over-compression energy waste.

What internal protective components are integrated into this 60HP screw compressor housing?

The unit incorporates an internal anti-reverse rotation check valve, built-in safety relief valve, integrated oil filter, discharge muffler, and NTC thermistor sensors for winding temperature protection.

What information is required to receive a formal price quotation?

Quotations are provided within 8 hours upon receiving complete project details, including required cooling capacity, operating voltage, target refrigerant, and working conditions.

How are compressors packaged and prepared for air or ocean shipping?

All compressors are packed in export plywood crates; ocean shipments include a refrigerant charge, while air freight shipments are sent without refrigerant for aviation compliance.

Custom Configuration Service

As an adaptable cooling equipment manufacturer, Ruifujie provides full OEM customization to modify electrical voltages and brand nameplates for global markets. We customize every unit to match your regional installation environment and specific technical demands seamlessly. Share your custom design preferences and projected purchase volume today to get a tailored proposal within 8 hours.



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