



06NW2300S5EA-A00 90HP 400V Commercial Refrigeration Screw AC Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NW2300S5EA-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: 90HP
- Highlight: 90HP commercial refrigeration screw compressor, 400V screw AC compressor, commercial screw air compressor with warranty



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Product Description

06NW2300S5EA-A00 90HP 400V Commercial Refrigeration Screw AC Compressor

Product Overview

This industrial screw AC compressor is engineered for commercial water-cooled liquid chillers, delivering optimized thermal efficiency, quiet operation, and extended service life.

Optimized Thermal Efficiency for Chilling: Features internal Vi 2.5 discharge profile and integrated 1-3/8" economizer circuit for maximum COP with 3-step unloading (100%-66%-33%) to reduce seasonal energy consumption.

Quiet Performance and Low Vibration: Precision-balanced twin screw rotors with built-in discharge silencing mufflers ensure smooth, low-vibration operation suitable for noise-sensitive environments.

Extended Lifespan with Built-in Protections: Heavy-duty SKF/NSK bearings, internal oil filtration, reverse-rotation check valve, NTC winding thermistors, and safety relief valve protect critical components and extend maintenance intervals.

Product Image



Technical Specifications

Model	06NW2300S5EA-A00
Nominal Power	90 HP
Refrigerant Type	R134a
Displacement (60/50Hz)	300CFM / 416m³/h
Economizer	Yes
Rated Voltage (V-Hz, A)	400V-50Hz-143.3A

Weight	400 kg
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Type	Displacement	Interface Size			Model	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	300CFM 416m3/s	2-5/8"	4-1/8"	1-3/8"	06NW*300S5EA	Y	90	400-50	143.3	0.87	270	856	400
					06NW*300U5EA			230-50	249.2	0.87	432	1367	
					06NW*300W5EA			346-50	165.7	0.87	297	941	
					06NW*300V5EA			200-50	286.6	0.87	541	1711	

Manufacturer Profile

Ruifujie is a modern scaled manufacturing enterprise with over 20 years of experience in the global HVAC and refrigeration sector. We produce a full range of scroll, piston, rotary, semi-hermetic, and screw compressors, alongside modular cold storage rooms, quick-freezing tunnels, and industrial ice machines.

Supporting comprehensive OEM/ODM customization across all product lines, Ruifujie exports to major international markets including Russia, the USA, the UK, the UAE, and Saudi Arabia. Well-regarded for our strong engineering expertise and excellent product cost-performance ratio, we maintain stable, long-term partnerships with buyers worldwide.



Frequently Asked Questions

What are the exact displacement and interface port dimensions for the 06NW2300S5EA-A00?

The 06NW2300S5EA-A00 delivers a displacement of 416 m³/h at 50Hz (300 CFM at 60Hz), featuring a 2-5/8" suction port, 4-1/8" discharge port, and 1-3/8" economizer interface.

How does the Vi 2.5 ratio combined with an economizer port optimize water-cooled chillers?

The Vi 2.5 internal volume ratio prevents gas over-compression under moderate pressure ratios, while the economizer subcools liquid refrigerant to increase overall cooling capacity and system COP without increasing motor workload.

What electrical parameters and internal protections are built into this 90HP unit?

Operating on 400V-3-50Hz (RLA 143.3 A), the compressor integrates an anti-reverse rotation check valve, safety relief valve, oil filter, discharge muffler, and NTC motor thermistors.

What is the delivery lead time for samples and volume orders?

In-stock sample orders are dispatched within 3 business days, while standard complete production orders are fulfilled within 10 to 15 working days.

Do you support custom branding, private labeling, and multilingual nameplates?

Yes, Ruifujie provides comprehensive OEM services supporting custom company logos and multilingual nameplate customization for global distributors.

Receive Technical Selection Guidance

Choosing the ideal cooling equipment requires precise load calculations to guarantee long-term thermal efficiency and operating stability. Ruifujie's application engineers guide contractors and system builders in identifying exact model specifications tailored to challenging operational environments. Provide your working temperatures, cooling capacity needs, and target refrigerant today to get an expert recommendation within 8 hours.

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