



06NA2300S5NA-A00 120HP R134a Refrigeration Screw Air Conditioning Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NA2300S5NA-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: Air-cooled
- Commercial Refrigeration: HVAC&Cooling Units
- Refrigerant: R134a
- Horse Power: 120HP
- Highlight: 120HP R134a screw air compressor, refrigeration screw air conditioning compressor, 06NA2300S5NA-A00 screw air compressor



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Product Description

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Precision Energy Management

Managing energy budgets in high-capacity industrial cooling and central climate systems demands smart partial-load control. Featuring a 3-step capacity modulation mechanism (100%-66%-33%) driven by dual solenoid valves, this high-efficiency screw air conditioning compressor dynamically matches changing thermal demands. By reducing power consumption during off-peak hours, it lowers peak demand surcharges and cuts long-term operating costs.

Robust Performance & Reliability

Continuous operating cycles and thermal loads can cause mechanical fatigue in industrial air-cooled chillers. Built with patented high-precision rotor geometry, heavy-duty SKF/NSK bearings, and an internal check valve, this robust screw air conditioning compressor eliminates rotor reverse rotation during shutdown and minimizes gas bypass leakage. An integrated oil filter, discharge muffler, and internal safety relief valve ensure smooth, quiet operation.

Environmental Compliance & Global Compatibility

Adapting large commercial HVAC equipment to strict environmental codes and global power supplies requires versatile machinery. Certified under UL, CE, and ISO 9002 standards, this screw air conditioning compressor is optimized for eco-friendly R134a refrigerant. Featuring high-efficiency motor windings with integrated NTC thermal protection and 400V/50Hz power supply support, it provides a direct drop-in replacement solution for liquid chillers worldwide.

Product Image



Technical Specifications

Model	06NA2300S5NA-A00
Nominal Power	120 HP

Refrigerant Type	R134a
Displacement (60/50Hz)	300CFM/416m³/h
Economizer	N
Rated Voltage (V-Hz, A)	400V-50Hz-197.5A
Weight	415 kg

Type	Displacement 60/50Hz	Interface Size			Compressor Model Number	Economizer 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)	
Air Cooled VI	300CFM 416m³s	2-5/8	4-1/8	1-3/8	06NA*300S5NA	N	120	400-50	197.5	0.82	387	1226	415
					06NA*300U5NA			230-50	343.5	0.82	619	1958	
					06NA*300V5NA			346-50	228.4	0.82	426	1348	
					06NA*300X5NA			200-50	395.1	0.82	775	2452	

Company Overview

Ruifujie is a modern industrial refrigeration supplier specializing in high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, as well as complete cold room systems and ice machinery. We offer comprehensive OEM/ODM customization options to adapt equipment to localized voltage standards and regional engineering demands. Supported by competitive factory-direct pricing, our machinery is exported worldwide to major international markets including US, Saudi Arabia, and Vietnam, earning trusted long-term partnerships with global contractors and equipment distributors.



Frequently Asked Questions

Q1: What are the exact displacement figures for the 06NA2300S5NA-A00?

A1: The 06NA2300S5NA-A00 model delivers a displacement of 416 m³/h at 50Hz (300 CFM at 60Hz).

Q2: Does this 120HP screw air conditioning compressor include an economizer port?

A2: No, the 06NA2300S5NA-A00 is the standard non-economizer version designed specifically for direct-expansion air-cooled liquid chillers.

Q3: What electrical parameters and motor protection features are specified for this 400V unit?

A3: Operating on 400V-3-50Hz voltage, it features an RLA of 197.5 A, LRA of 387 A (Y) / 1226 A (Δ), and integrated NTC thermistors for winding over-temperature defense.

Q4: What is the standard lead time for bulk equipment orders?

A4: Standard bulk production orders are completed and prepared for dispatch within 10 to 15 working days, while stocked sample units can be shipped within 3 business days.

Q5: How is this compressor unit packaged for international sea transport?

A5: Each compressor is securely bolted onto a reinforced wooden pallet, wrapped in moisture-proof anti-corrosion film, and fully enclosed in a heavy-duty export plywood crate.

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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