



06NA2250S7EA-A00 120HP Air Cooled Refrigeration Rooftop AC Screw Compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NA2250S7EA-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 air cooled screw compressor, refrigeration rooftop AC compressor, screw air compressor with warranty**



More Images



Product Description

06NA2250S7EA-A00 120HP Air Cooled Refrigeration Rooftop AC Screw Compressor

Product Overview

Energy Efficiency with Economizer Technology

Managing utility budgets in high-capacity central air conditioning and process chilling demands superior energy efficiency. Featuring a dedicated 1-3/8 in economizer interface, this high-performance AC screw compressor significantly increases liquid subcooling, boosting system cooling capacity without a proportional increase in power draw. Combined with a 3-step capacity modulation system (100%-66%-33%), it dynamically adjusts to variable thermal loads, slashing peak electrical charges for commercial facilities.

Heavy-Duty Reliability

Frequent start-stop cycles and heavy thermal loads can compromise internal mechanics in industrial chillers. Engineered with patented rotor profiles, heavy-duty SKF/NSK bearings, and an internal check valve, this AC screw compressor prevents rotor reverse rotation during shutdown and reduces gas bypass leakage. An integrated oil filter, discharge muffler, and internal safety relief valve ensure smooth, low-vibration operation and extended service intervals.

Environmental Compliance & Flexibility

Adapting large-scale HVAC systems to evolving global environmental standards and power grids requires adaptable equipment. Operating on eco-friendly R134a refrigerant with UL, CE, and ISO 9002 certifications, this AC screw compressor includes high-efficiency motor windings with integrated NTC thermal sensors. Supporting dual-voltage operation, it provides a direct drop-in replacement for major commercial air-cooled liquid chillers.

Product Images



Type	Displacement	Interface Size			Model	Economizer	Horse Power (HP)	Rated Voltage (V-Hz, A)			Locked Rotor Current (A)		Weight (KG)
	60/50Hz	Suction	Discharge	Economizer		Y/ N		Voltage/Freq	RLA	PF	LRA(Y)	LRA(Δ)	
Air Cooled VI	250CFM 347m³/s	2-5/8	4-1/8	1-3/8	06NA*250S7EA	Y	120	460-60	185.3	0.85	371	1175	415
					400-50			178.8	0.82	387	1226		
					575-60			148.3	0.85	297	940		
					230-50			310.9	0.82	619	1958		
					380-60			224.3	0.85	410	1299		
					346-50			206.7	0.82	426	1348		
					208/230-60			389.3	0.85	743	2350		
					200-50			357.5	0.82	775	2452		
					200-60			426.3	0.85	854	2703		

Technical Specifications

Model	06NA2250S7EA-A00
Nominal Power	120 HP
Refrigerant Type	R134a
Displacement (60/50Hz)	250 CFM / 347 m³/h
Economizer	Yes
Rated Voltage (V-Hz, A)	460V-60Hz-185.3A 400V-50Hz-178.8A
Weight	415 kg

Company Profile

Ruifujie is a modern industrial refrigeration supplier specializing in high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, as well as complete cold storage 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 products are exported worldwide to major international markets including Germany, Chile, and Vietnam, earning trusted long-term partnerships with global contractors and equipment distributors.



Frequently Asked Questions

What are the displacement specifications for the 06NA2250S7EA-A00?

The 06NA2250S7EA-A00 model delivers a displacement of 347 m³/h at 50Hz (250 CFM at 60Hz).

How does the economizer circuit benefit 120HP commercial HVAC chillers?

Connecting a subcooling circuit to the economizer port increases liquid refrigerant subcooling, which significantly boosts system cooling output and COP without drawing additional electrical power.

What internal protective features are built into this heavy-duty screw unit?

The compressor contains an internal check valve to prevent reverse rotation, a built-in oil filter, a discharge muffler, an internal safety relief valve, and NTC thermistor thermal sensors.

What is the standard production lead time for bulk volume orders?

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

How is this screw compressor packaged for safe ocean transport?

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.

Obtain Engineering Project Quotation

Backed by extensive experience in commercial cooling installations, Ruifujie provides tailored system proposals engineered to meet strict international project standards. Our technical team evaluates your exact thermal loads and ambient working conditions to ensure efficient equipment integration. Submit your project parameters and operational requirements now to obtain a comprehensive technical quote within 8 hours.

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