



06NA2174S7NA-A00 85HP Air Cooled Screw Compressor HVAC

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NA2174S7NA-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: 85HP
- Highlight: **85HP screw air compressor, air cooled screw compressor, HVAC screw air compressor**



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Product Description

06NA2174S7NA-A00 85HP Air Cooled Screw Compressor HVAC

Product Overview

Advanced screw compressor designed for large-scale air conditioning and industrial fluid chilling applications with superior efficiency and reliability.

Precision Energy Management

Features a 3-step capacity modulation system (100%-66%-33%) driven by dual solenoid valves, enabling precise matching to variable thermal demands while reducing power consumption during partial-load operation.

Robust Construction

Engineered with patented high-precision rotor profiles, heavy-duty SKF/NSK bearings, and integrated safety components including internal check valve, oil filter, safety relief valve, and discharge muffler for continuous, quiet operation.

Environmental Compliance

Operates on eco-friendly R134a refrigerant with UL, CE, and ISO 9002 certifications. Features high-efficiency motor windings with NTC thermal sensors and supports Y-Δ step-starting across global voltage standards.

Product Image



Technical Specifications

Model	06NA2174S7NA-A00
Nominal Power	85 HP
Refrigerant Type	R134a
Displacement (60/50Hz)	174 CFM / 241 m³/h
Economizer	N
Rated Voltage (V-Hz, A)	460V-60Hz-112.2A 400V-50Hz-109.7A
Weight	390 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	174CFM 241m³s	2-5/8	4-1/8	1-3/8	06NA*174S7NA	N	85	460-60	112.2	0.85	216	685	390
					06NA*174T6NA			400-50	109.7	0.82	226	715	
					06NA*174U5NA			575-60	89.7	0.85	173	548	
					06NA*174V7NA			230-50	190.7	0.82	361	1142	
					06NA*174W7NA			380-60	135.8	0.85	239	757	
					06NA*174X7NA			346-50	126.8	0.85	248	786	
					06NA*174Z6NA			208/230-60	235.6	0.85	433	1370	
					06NA*174Z6NA			200-50	219.3	0.82	452	1430	
								200-60	257.9	0.85	498	1576	

Company Profile

Ruifujie brings over 20 years of technical expertise to the global cooling industry, manufacturing high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, as well as complete cold storage equipment and commercial ice machines.

We provide comprehensive OEM/ODM customization options to adapt equipment to localized voltage standards and regional engineering requirements. Our machinery is exported worldwide to major international markets including Canada, the United Arab Emirates, and Peru, earning trusted long-term partnerships with global contractors and distributors.



Frequently Asked Questions

What are the exact displacement figures and port dimensions for the 06NA2174S7NA-A00 model?

The 06NA2174S7NA-A00 yields a displacement of 241 m³/h at 50Hz (174 CFM at 60Hz), featuring a 2-5/8 in suction port and a 4-1/8 in discharge port.

Does this 85HP screw compressor model include an economizer port interface?

No, the 06NA2174S7NA-A00 is the standard non-economizer version designed specifically for direct-expansion air-cooled chiller applications.

What internal protective features are built into this screw compressor unit?

The unit contains an internal check valve to prevent reverse rotation, an internal safety relief valve, a built-in oil filter, a discharge muffler, 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.

How is this heavy 390 kg unit packaged for safe international 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.

Start Your Project Engineering

 **Shenzhen Coolstart Refrigeration Equipment Co., Ltd**



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