



06NA2174S7EA-A00 90HP Industrial Refrigeration HVAC Screw Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NA2174S7EA-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: 90HP
- Highlight: **90HP industrial screw compressor, HVAC refrigeration screw compressor, industrial screw air compressor with warranty**



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Product Overview

High-performance HVAC screw compressor designed for industrial refrigeration and process cooling applications with superior efficiency and reliability.

Lowering Expenses via Economizer Integration

Managing utility budgets in high-capacity HVAC and process cooling applications requires superior part-load efficiency. Designed with a dedicated 1-3/8 in economizer port, this high-performance HVAC screw compressor boosts system subcooling and cooling capacity without proportionally increasing power consumption. Combined with a 3-step capacity control system (100%-66%-33%), it dynamically matches variable thermal loads, lowering operating expenses and reducing energy waste across large commercial facilities.

High Reliability Under Severe Duty

Frequent operational stops and heavy thermal cycles can cause severe wear on rotor bearings and internal seals. Built with patented rotor geometry, premium SKF/NSK rolling bearings, and an internal check valve, this heavy-duty HVAC screw compressor eliminates rotor reverse rotation at shutdown and minimizes internal pressure leakage. An integrated oil filter, discharge muffler, and internal safety relief valve ensure smooth, continuous duty while extending routine maintenance intervals.

Eco-Compliance and Universal Flexibility

Adapting large-scale chiller equipment to global power standards and strict environmental codes requires versatile machinery. Certified under UL, CE, and ISO 9002 standards, this HVAC screw compressor operates efficiently on eco-friendly R134a refrigerant. Featuring high-efficiency motor windings with integrated NTC thermal protection and dual-voltage support, it provides a direct drop-in replacement solution for major commercial air-cooled liquid chillers.

Product Image



Technical Specifications

Model	06NA2174S7EA-A00
Nominal Power	90 HP
Refrigerant Type	R134a
Displacement (60/50Hz)	1174 CFM / 241 m³/h
Economizer	Yes
Rated Voltage (V-Hz, A)	460V-60Hz-125A 400V-50Hz-123.1A
Weight	340 kg

Type	Displacement	Interface Size			Model	Economizer Y / N	Horse Power (HP)	Rated Voltage (V-Hz, A)			Locked Rotor Current (A)		Weight (KG)
	60/50Hz	Suction	Discharge	Economizer				Voltage/Freq	RLA	PF	LRA(Y)	LRA(Δ)	
Air Cooled Vt	174CFM 241m³/s	2-5/8	4-1/8	1-3/8	06NA*174S7EA	Y	90	460-60	125	0.86	259	820	400
					06NA*174T6EA			400-50	123.1	0.83	270	856	
					06NA*174U5EA			575-60	100	0.86	207	656	
					06NA*174W7EA			230-50	214.1	0.83	432	1367	
					06NA*174X7EA			380-60	151.3	0.86	286	906	
					06NA*174Z6EA			346-50	142.3	0.83	297	941	
					06NA*174Z8EA			208/230-60	262.6	0.86	518	1640	
					06NA*174Z8EA			200-50	246.2	0.83	541	1711	
					06NA*174Z8EA			200-60	287.5	0.86	596	1886	
					06NA*174Z8EA			200-60	287.5	0.86	596	1886	

Company Introduction

Ruifujie is a modern industrial refrigeration supplier with over 20 years of manufacturing expertise, specializing in high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, as well as complete cold room systems and ice machinery. We offer full 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 Spain, Chile, and Malaysia, earning trusted long-term partnerships with global contractors and equipment distributors.



Frequently Asked Questions

What are the exact displacement and economizer port specifications for the 06NA2174S7EA-A00?

The 06NA2174S7EA-A00 yields a displacement of 241 m³/h at 50Hz (174 CFM at 60Hz) and features an integrated 1-3/8 in economizer port for enhanced subcooling capacity.

How does the economizer circuit benefit high-capacity HVAC chillers?

Connecting an economizer to the designated port increases liquid refrigerant subcooling, which boosts cooling capacity and system COP without significant extra power consumption.

What internal protective components are integrated into this 90HP compressor frame?

The unit includes a discharge muffler, built-in oil filter, internal check valve against reverse rotation, internal safety relief valve, and NTC thermistor sensors for winding over-temperature defense.

Do you offer custom private labeling and brand nameplate services for OEM orders?

Yes, we provide full custom private labeling and branded nameplate customization according to your company requirements for volume OEM orders.

How is this heavy 400 kg screw compressor packaged for safe international shipping?

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

Request Direct Factory Quotation

Lower your procurement costs while securing high-performance cooling equipment for your next project. Ruifujie offers factory-direct pricing, customized engineering selection, and rapid delivery schedules for global distributors and contractors. Share your target operating specifications, refrigerant preference, and projected purchase volume now to receive a competitive technical proposal within six hours.

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