



06NA2146S7NA-A00 75HP Screw Refrigeration Compressor for Air Conditioner

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NA2146S7NA-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: 75HP
- Highlight: 75HP screw refrigeration compressor, screw air compressor for air conditioner, refrigeration compressor with warranty



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Product Description

06NA2146S7NA-A00 75HP Screw Refrigeration Compressor for Air Conditioner

Product Overview

This high-efficiency screw refrigeration compressor delivers reliable performance for commercial air conditioning applications with advanced energy management and robust construction.

Precision Energy Management: 3-step capacity control system (100%-66%-33%) with dual solenoid valves dynamically modulates output to match cooling demands, reducing energy waste and operational costs.

Enhanced Reliability: Engineered with patented rotor profiles, SKF/NSK rolling bearings, built-in check valves, oil filter, safety relief valve, and discharge muffler for extended service life.

Environmental Compliance: Operates on eco-friendly R134a refrigerant with UL, CE, and ISO 9002 certifications, featuring high-efficiency motor windings with NTC thermistors.

Global Compatibility: Supports Y-Δ step-starting across standard global voltages for seamless replacement in air-cooled chiller applications.

Product Image



Technical Specifications

Model	06NA2146S7NA-A00
Nominal Power	75 HP
Refrigerant Type	R134a

Displacement (60/50Hz)	146 CFM / 203 m³/h
Economizer	N
Rated Voltage (V-Hz, A)	460V-60Hz-91.9A 400V-50Hz-90.1A
Weight	380 kg

Type	Displacement	Interface Size			Compressor	Economizer	Horse Power	Rated Voltage (V-Hz, A)			Locked Rotor Current (A)		Weight (KG)
	60/50Hz	Suction	Discharge	Economizer	Model Number	Y / N	(HP)	Voltage/Freq	RLA	PF	LRA(Y)	LRA(Δ)	
Air Cooled Vt	146CFM 203m³s	2-5/8	4-1/8	1-3/8	06NA*146S7NA	N	75	460-60	91.9	0.87	183	580	380
					400-50			90.1	0.85	191	605		
					575-60			73.5	0.87	147	484		
					230-50			156.8	0.85	305	967		
					380-60			111.2	0.87	203	641		
					346-50			104.2	0.85	210	665		
					208/230-60			192.9	0.87	367	1160		
					200-50			180.3	0.85	382	1210		
					200-60			211.3	0.87	422	1334		
					200-60			211.3	0.87	422	1334		

Company Profile

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. Our machinery is exported worldwide to major international markets, including Brazil, Italy, and Saudi Arabia, earning trusted long-term partnerships with global contractors and equipment distributors.



Frequently Asked Questions

What are the exact displacement and port connection sizes for the 06NA2146S7NA-A00 compressor?

The 06NA2146S7NA-A00 provides a displacement of 203 m³/h at 50Hz (146 CFM at 60Hz), featuring a 2-5/8 in suction port, 4-1/8 in discharge port, and 1-3/8 in economizer interface.

How does the 3-step capacity modulation operate on this 75HP unit?

The unit utilizes simple dual solenoid valves to modulate output between 100%, 66%, and 33% power levels, efficiently adapting to variable thermal loads while cutting electricity costs.

What internal protective devices are built into this screw compressor frame?

The compressor contains an internal check valve to prevent reverse rotation, an internal safety relief valve, a built-in oil filter, a discharge muffler, and NTC thermistors for motor protection.

What is the standard production lead time for bulk orders?

Standard bulk production orders are completed and prepared for dispatch within 10 to 15 working days.

How is this heavy 380 kg screw compressor packaged for ocean transport?

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

Custom Bulk Procurement

Selecting the right industrial screw refrigeration compressor model is essential to optimizing system energy performance and ensuring continuous cooling operations. Ruifujie provides technical consultation, precision component matching, and flexible OEM customization tailored to your project requirements.

Please submit your project parameters, working temperatures, target refrigerant, and required order quantity today, and our engineering team will provide a formal quotation within 8 hours.

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