



06NW2250S7EA-A00 85HP Semi Hermetic Screw Compressor for Industrial AC Unit

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06NW2250S7EA-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: Water-cooled
- Commercial Refrigeration: HVAC&Cooling Units
- Refrigerant: R134a
- Horse Power: 85HP
- Highlight: 85HP semi hermetic screw compressor, industrial AC unit screw compressor, screw air compressor with warranty



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Product Description

06NW2250S7EA-A00 85HP Semi Hermetic Screw Compressor for Industrial AC Unit

Enhanced Efficiency with Economizer Technology

Operating large-scale water-cooled chiller systems requires maximum efficiency during partial-load conditions. This high-performance semi hermetic screw compressor features a dedicated 1-3/8 inch economizer interface that significantly increases liquid refrigerant subcooling, raising system cooling output without increasing power input.

Paired with a 3-step capacity modulation system (100%-66%-33%), it dynamically adapts to changing thermal demands, effectively reducing peak electrical utility charges.

High Reliability for Demanding Applications

Engineered to withstand heavy thermal stresses and frequent start-stop cycles in commercial chillers, this compressor features:

- Patented rotor profiles for optimal performance
- Heavy-duty SKF/NSK bearings for extended service life
- Internal check valve to prevent rotor reverse rotation at shutdown
- Minimized gas bypass leakage for improved efficiency
- Integrated oil filter, discharge muffler, and internal safety relief valve

Environmental Compliance and Global Compatibility

Meeting strict international environmental regulations, this compressor operates on eco-friendly R134a refrigerant and carries UL, CE, and ISO 9002 certifications. It features high-efficiency motor windings with integrated NTC thermal protection and supports dual-voltage operation, making it an ideal direct drop-in replacement for water-cooled liquid chillers worldwide.

Product Image



Technical Specifications

Model	06NW2250S7EA-A00
Nominal Power	85 HP
Refrigerant Type	R134a
Displacement (60/50Hz)	250CFM / 347m³/s
Economizer	Yes
Rated Voltage (V-Hz, A)	450V-50Hz-120.7A 400V-50Hz-117.9A
Weight	390 kg

Type	Displacement 60/50Hz	Interface Size			Model	Econo mizer 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)	
Water Cooled Vi	250CFM 347m3/s	2-5/8	4-1/8	1-3/8	06NW*250S7EA	Y	85	460-60	120.7	0.88	216	685	390
					06NW*250T6EA			400-50	117.9	0.86	226	715	
					06NW*250U5EA			575-60	96.6	0.88	173	548	
					06NW*250W7EA			230-50	205	0.86	361	1142	
					06NW*250X7EA			380-60	146.1	0.88	239	757	
					06NW*250Y7EA			346-50	136.6	0.86	248	786	
					06NW*250Z6EA			208/230-60	253.6	0.88	433	1370	
					06NW*250Z8EA			200-50	235.7	0.86	452	1430	
					06NW*250Z8EA			200-60	277.7	0.88	498	1576	

Company Introduction

Ruifujie is a modern scaled refrigeration manufacturer with over 20 years of expertise in global cooling solutions. Our product portfolio includes high-performance scroll, piston, rotary, semi-hermetic, and screw compressors, along with complete cold rooms, quick-freezing systems, and commercial ice machinery.

Supporting full OEM/ODM customization across all lines, Ruifujie exports products globally to key markets such as the UK, Brazil, and Saudi Arabia. Backed by solid technical capabilities and superior cost performance, we maintain stable long-term partnerships with international buyers and consistently earn top client praise.



Frequently Asked Questions

Q1: What are the exact displacement figures and port dimensions for the 06NW2250S7EA-A00?

A1: The 06NW2250S7EA-A00 yields a displacement of 347 m³/h at 50Hz (250 CFM at 60Hz).

Q2: How does the water-cooled Vi 2.5 ratio combined with an economizer enhance efficiency?

A2: The Vi 2.5 discharge profile is engineered specifically for lower pressure ratio water-cooled applications, while the economizer subcools liquid refrigerant to increase total cooling capacity and COP without raising motor power input.

Q3: What internal protective components are integrated into this 85HP compressor unit?

A3: The compressor includes an internal anti-reverse rotation check valve, a safety relief valve, an integrated oil filter, a discharge muffler, and NTC thermistor winding thermal sensors.

Q4: What trade terms and payment methods does Ruifujie support?

A4: We accept FOB Shenzhen and EXW trade terms settled in USD, with payments supported via T/T and Western Union.

Q5: What is the sample order fee and refund policy?

A5: Sample units are charged upfront, and the sample fee is fully refunded to the client once the subsequent bulk order reaches the required quantity threshold.

Complete Procurement Solutions

Ruifujie simplifies global refrigeration supply chains by delivering complete cooling packages, integrating compressors, condensers, and evaporator refrigeration units into one streamlined order. We manage precision component matching, export packaging, and shipping logistics to minimize your overall sourcing complexity.

Forward your bill of quantities and destination port details now to receive an integrated solution quote within 8 hours.



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