



06TTA356 Industrial Refrigeration Rooftop Screw AC Compressor for Hotel Restaurant

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle/Carrier
- Certification: CE
- Model Number: 06TTA356
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union,T/T
- Supply Ability: 100000Pcs/Year



Product Specification

- Displacement 60/50Hz: 596/494 M3/hr
- Application: HVAC, Cooling Units, Cold Room
- Compressor Type: Air Cooled
- Horse Power: 150HP
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Highlight: industrial refrigeration screw compressor, rooftop screw AC compressor, hotel restaurant screw air compressor



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Product Description

06TTA356 Industrial Refrigeration Rooftop Screw AC Compressor for Hotel Restaurant

Product Overview

High-Capacity HVAC & Process Cooling Performance

The 06TTA356 screw AC compressor is an industrial-duty power unit built for high-capacity air-cooled chillers, central air conditioning plants, and heavy commercial process cooling systems. Delivering a nominal 150 HP rating with high volumetric displacement reaching up to 596 m³/hr (356 cfm at 60Hz), this screw AC compressor provides outstanding thermal pull-down capabilities, high volumetric efficiency, and dependable temperature maintenance across large-scale facility installations.

Stepless Capacity Modulation for Operational Savings

Facility managers and HVAC operators frequently encounter escalating electrical utility costs, severe power surges, and motor wear caused by fluctuating building cooling demands. The 06TTA356 solves these operational issues through 25%-100% stepless capacity modulation and integrated economizer loop support, allowing smooth, real-time load matching that drastically reduces part-load energy consumption while minimizing start-stop mechanical stress.

Industrial Mechanical Protection & Extended Longevity

Built with heavy-duty SKF/NSK anti-friction rolling bearings, high-efficiency motor windings with integrated NTC thermal sensors, and a built-in safety/check valve assembly, this screw AC compressor ensures leak-free compression, enhanced resistance to mechanical wear, and reliable long-term operation under severe industrial conditions.

Standard & Optional Accessories:

Standard: Terminal box, oil system components, motor protection device, capacity control device, stop valve

Optional: Paragon control module / Kriwan protection module, oil separator, flanges, economizer, oil cooler, high-temperature expansion valve

Product Image



Technical Specifications

Model	06TTA356
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Nominal Power	150HP
Refrigerant Type	R134a
Displacement (60/50Hz)	356 / 296 cfm 596 / 494 m³/hr
Capacity Control	Stepless Adjustment 25-100%
Economizer	Y
Voltage (V,A)	06TTA356SS1D 460V-3-60Hz-226A 400V-3-50Hz-218A 06TTA356XS1D 230V-3-60Hz-452A 200V-3-50Hz-414A
Weight	630kg

R134a Air Cooled With Economizer													
Model	Displacement 60/50Hz	Interface Size (inch)			Capacity Control	Voltage/Hz (±10%)	Rated HP	Rated Power (kW)	RLA (A)	Max Current (A)	LRA (A)		Weight (KG)
		Suction	Discharge	Economizer							Y	Δ	
06TTA266SP1D	266 / 221 cfm 446 / 369 m3/hr	4-1/8	3-1/8	1-3/8	Stepless Adjustment 25-100%	120	460V-3-60Hz	89	165	201	298	930	613
							400V-3-50Hz	75	159	194	303	945	
							230V-3-60Hz	89	330	402	596	1860	
							200V-3-50Hz	75	303	369	606	1890	
06TTA301SS1D	301 / 250 cfm					150	460V-3-60Hz	112	187	228	382	1190	630
400V-3-50Hz	93						181	220	388	1210			
230V-3-60Hz	112						375	457	764	2380			
200V-3-50Hz	93						344	419	776	2420			
06TTA301XS1D	504 / 418 m3/hr					150	460V-3-60Hz	112	226	275	382	1190	662
400V-3-50Hz	93						218	265	388	1210			
230V-3-60Hz	112						452	550	764	2380			
200V-3-50Hz	93						414	504	776	2420			
06TTA356SS1D	356 / 296 cfm	150	460V-3-60Hz	112	226	275	382	1190	662				
400V-3-50Hz	93		218	265	388	1210							
230V-3-60Hz	112		452	550	764	2380							
200V-3-50Hz	93		414	504	776	2420							
06TTA356XS1D	596 / 494 m3/hr	150	460V-3-60Hz	112	226	275	382	1190	662				
400V-3-50Hz	93		218	265	388	1210							
230V-3-60Hz	112		452	550	764	2380							
200V-3-50Hz	93		414	504	776	2420							

Company Introduction

Drawing upon over two decades of technical expertise in industrial cooling systems, Ruifujie operates as a modernized enterprise producing premium scroll, piston, rotary, semi-hermetic, and twin-screw compressors, alongside cold room evaporators, quick-freezing equipment, and industrial ice machinery. We offer full OEM/ODM engineering customization tailored to international project standards. Ruifujie products are exported across worldwide markets, serving engineering clients in Russia, the United States, the United Kingdom, Saudi Arabia, the UAE, and other regions. With dedicated technical capabilities and outstanding cost efficiency, Ruifujie maintains strong, long-term strategic relationships with global commercial buyers.



Frequently Asked Questions

Q1: What systems and refrigerants are recommended for the 06TTA356 compressor?

A1: The 06TTA356 is designed for heavy-duty commercial air-cooled chillers, central air conditioning systems, and industrial process liquid cooling plants operating with R134a refrigerant.

Q2: How does the economizer port contribute to system efficiency?

A2: The integrated 1-3/8 inch economizer port subcools liquid refrigerant prior to entering the evaporator, boosting overall system cooling capacity and COP without increasing motor workload.

Q3: What electrical power supplies are supported by the 06TTA356?

A3: The 06TTA356 supports versatile multi-voltage setups, including 460V/230V at 60Hz and 400V/200V at 50Hz, ensuring effortless installation into global electrical grids.

Q4: What payment terms and transaction currencies are accepted by Ruifujie?

A4: We support TT and Western Union payment methods under FOB Shenzhen or EXW trade terms, with all transactions settled in USD.

Q5: How are Ruifujie compressors packaged for international freight transport?

A5: All compressors are securely packaged in solid wooden cases; sea shipments include pre-charged refrigerant, while air freight shipments exclude refrigerant according to aviation transport safety rules.

Distributor Partnership

As an established global supplier of commercial HVAC and cooling machinery, Ruifujie provides favorable partnership policies, direct factory pricing, and full technical support for every screw AC compressor. Submit your required project parameters, purchase quantity, or technical specifications today, and our sales engineering team will deliver a comprehensive proposal within 8 hours.

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



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