



06TTA301 R134a 150HP Semi-Hermetic AC Screw Compressor for Commercial Refrigeration

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Carlyle/Carrier
- Certification: CE
- Model Number: 06TTA301
- 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

- Horse Power: 150HP
- Displacement 60/50Hz: 504/418 M3/hr
- Compressor Type: Air Cooled
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Application: HVAC, Cooling Units, Cold Room
- Highlight: **R134a semi-hermetic screw compressor, 150HP commercial refrigeration compressor, AC screw compressor with warranty**



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Product Description

06TTA301 R134a 150HP Semi-Hermetic AC Screw Compressor for Commercial Refrigeration

High-Capacity R134a Cooling Performance

The 06TTA301 AC screw compressor is a high-output power unit designed for commercial air-cooled water chillers, central air conditioning systems, and industrial process cooling plants. Delivering a nominal 150 HP rating with high volumetric displacement reaching up to 504 m³/hr (301 cfm at 60Hz), this compressor ensures superior thermal pull-down performance, optimal volumetric efficiency, and continuous temperature control across demanding HVAC installations.

Stepless Capacity Regulation for Load Matching

Facility engineers frequently face steep utility costs and electrical demand spikes caused by fluctuating cooling requirements in commercial buildings. The 06TTA301 addresses these operational challenges with 25%-100% stepless capacity modulation and economizer circuit integration, enabling precise output tuning to match real-time system loads, preventing unnecessary motor start-stop wear, and drastically lowering part-load energy consumption.

Industrial Reliability & Motor Protection

Built with heavy-duty SKF/NSK anti-friction rolling bearings, high-efficiency motor windings integrated with NTC thermal sensors, and an internal safety valve mechanism, this AC screw compressor delivers leak-free operation, superior mechanical durability, and long-term reliability under severe working environments.

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	06TTA301
Nominal Power	150HP
Refrigerant Type	R134a
Displacement (60/50Hz)	301 / 250 cfm 504 / 418 m³/hr
Capacity Control	Stepless Adjustment 25-100%
Economizer	Y
Voltage (V,A)	06TTA301SS1D 460V-3-60Hz-187A 400V-3-50Hz-181A 06TTA301XS1D 230V-3-60Hz-375A 200V-3-50Hz-344A
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%	460V-3-60Hz	120	89	165	201	298	930	613				
06TTA266XP1D						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 504 / 418 m3/hr									460V-3-60Hz	150	112	187	228	382	1190	630
06TTA301XS1D										400V-3-50Hz		93	181	220	388	1210	
										230V-3-60Hz		112	375	457	764	2380	
										200V-3-50Hz		93	344	419	776	2420	
06TTA356SS1D	356 / 296 cfm 596 / 494 m3/hr									460V-3-60Hz	150	112	226	275	382	1190	662
06TTA356XS1D										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

With over 20 years of dedicated manufacturing experience in the cooling sector, Ruifujie is a modern industrial enterprise specializing in high-performance scroll, piston, rotary, semi-hermetic, and twin screw compressors, alongside evaporators, blast freezers, and ice-making machinery. We provide end-to-end OEM/ODM customized engineering solutions for international buyers. Ruifujie products are exported worldwide, serving commercial clients in Russia, the United States, the United Kingdom, the UAE, Saudi Arabia, and beyond. Combining advanced R&D strength with outstanding cost performance, Ruifujie maintains strong, long-term commercial partnerships globally.



Frequently Asked Questions

Q1: What cooling systems are best suited for the 06TTA301 compressor?

A1: The 06TTA301 is engineered for large-scale air-cooled water chillers, central commercial HVAC plants, and industrial liquid chilling applications operating on R134a refrigerant.

Q2: How does the economizer function improve performance?

A2: The built-in 1-3/8 inch economizer connection provides liquid subcooling before entering the evaporator, enhancing overall cooling capacity and COP without increasing motor power load.

Q3: What voltage standards can the 06TTA301 compressor accommodate?

A3: The 06TTA301 supports multi-voltage grids, including 460V/230V at 60Hz and 400V/200V at 50Hz, ensuring seamless integration into worldwide power systems.

Q4: What is the minimum order quantity for purchasing?

A4: There is no minimum order quantity for in-stock items, while volume production orders are open for negotiation based on project requirements.

Q5: What warranty coverage does Ruifujie offer?

A5: We provide a standard 1-year comprehensive warranty across all product categories, covering manufacturing quality and structural integrity.

Bulk Order Pricing

As an established manufacturer and exporter of commercial HVAC machinery, Ruifujie offers competitive factory-direct wholesale pricing, flexible voltage setups, and OEM customization for every AC screw compressor. Submit your required quantity, operating voltage, project parameters, or technical specifications today, and our technical sales team will provide a comprehensive quotation within 8 hours.



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