



06TTW301 90HP Water Cooled Commercial HVAC Refrigeration Screw Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle/Carrier
- Certification: CE
- Model Number: 06TTW301
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union,T/T
- Supply Ability: 100000Pcs/Year

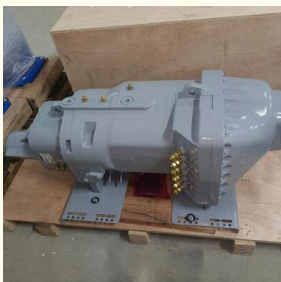


Product Specification

- Displacement 60/50Hz: 504 / 418 M3/hr
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Compressor Type: Water Cooled
- Application: HVAC, Cooling Units, Cold Room
- Horse Power: 90HP
- Highlight: **90HP water cooled screw compressor, commercial HVAC refrigeration compressor, water cooled screw air compressor**



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Product Description

06TTW301 90HP Water Cooled Commercial HVAC Refrigeration Screw Compressor

Product Overview

The 06TTW301 HVAC screw compressor is engineered specifically for commercial water-cooled chillers, large-scale HVAC air handling plants, and industrial water chilling systems. Delivering a nominal 90 HP output with a high volumetric displacement reaching up to 504 m³/hr (301 cfm at 60Hz), this compressor provides superior thermal transfer, fast system pull-down, and steady temperature management under heavy-duty continuous cooling operations.

- Stepless Output Modulation & Energy Savings:** Features 25%-100% stepless capacity modulation with integrated liquid subcooling economizer for real-time load balancing, reduced utility consumption, and minimized electrical stress.
- Industrial Structural Sealing & Bearing Reliability:** Built with high-precision rolling bearings, heat-resistant motor windings with internal thermal safeguards, and robust double-casing construction for zero-leakage security and long-term durability.

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	06TTW301
Nominal Power	90HP
Refrigerant Type	R134a
Displacement (60/50Hz)	301 / 250 cfm 504 / 418 m³/hr

Capacity Control	Stepless Adjustment 25-100%
Economizer	Y
Voltage (V,A)	06TTW301SM1D 460V-3-60Hz-139A 400V-3-50Hz-134A 06TTW301XM1D 230V-3-60Hz-278A 200V-3-50Hz-255A
Weight	630kg

R134a Water 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					
06TTW266SM1D	266 / 221 cfm 446 / 369 m3/hr	4-1/8	3-1/8	1-3/8	Stepless Adjustment 25-100%	460V-3-60Hz	90	67	124	151	229	715	613				
06TTW266XM1D						400V-3-50Hz		56	120	146	233	726					
						230V-3-60Hz		67	249	303	458	1430					
						200V-3-50Hz		56	228	278	466	1452					
06TTW301SM1D	301 / 250 cfm 504 / 418 m3/hr									460V-3-60Hz	90	67	139	169	229	715	630
06TTW301XM1D						400V-3-50Hz	56	134	163	233		726					
						230V-3-60Hz	67	278	338	458		1430					
						200V-3-50Hz	56	255	310	466		1452					
06TTW356SP1D	356 / 296 cfm 596/ 494 m3/hr									460V-3-60Hz	120	89	161	196	298	930	662
06TTW356XP1D						400V-3-50Hz	75	155	189	303		945					
						230V-3-60Hz	89	322	392	596		1860					
						200V-3-50Hz	75	295	359	606		1890					

Company Introduction

Drawing upon over 20 years 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: Why is the 06TTW301 model optimized for water-cooled chiller applications?**
- A1: The 06TTW301 is engineered with liquid-cooled heat rejection parameters and high volumetric displacement (504 m³/hr), delivering optimal COP and thermal stability when integrated with water-cooled condenser loops.
- Q2: How does the economizer connection improve cooling output?**
- A2: The built-in 1-3/8 inch economizer port allows liquid refrigerant subcooling prior to expansion, boosting total refrigeration capacity and system efficiency without increasing motor power consumption.
- Q3: Can this compressor operate under different global electrical grid standards?**
- A3: Yes, it features versatile electrical support across 460V/230V at 60Hz and 400V/200V at 50Hz, enabling flexible installation across global

commercial power grids.

Q4: What is the MOQ requirement for purchasing?

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

Q5: What payment terms and payment methods does Ruifujie support?

A5: We support TT and Western Union payment methods.

Water Chiller Project Consultation

As a specialized global manufacturer of commercial HVAC equipment, Ruifujie offers direct factory pricing, tailored system design advice, and complete OEM support for every HVAC screw compressor. Send us your project parameters, required cooling capacity, operating voltage, or order volume today, and our technical engineering team will deliver a comprehensive proposal within 8 hours.

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



86-13922880636



info@coolstartcn.com



coldroomunit.com

Room 1801, Building 1, Kangli city, No. 66 Pingji Road, Longgang District, Shenzhen, Guangdong, China