



06TTW356 120HP Water-Cooled Screw Refrigeration Compressor for HVAC Unit

Our Product Introduction

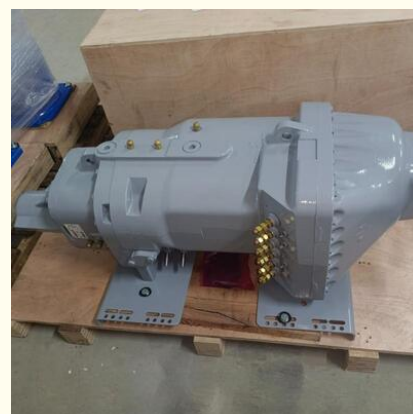
Basic Information

- Place of Origin: China
- Brand Name: Carlyle/Carrier
- Certification: CE
- Model Number: 06TTW356
- 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

- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Horse Power: 120HP
- Compressor Type: Water Cooled
- Displacement 60/50Hz: 596/ 494 M3/hr
- Application: HVAC, Cooling Units, Cold Room
- Highlight: **120HP water-cooled screw compressor, HVAC refrigeration screw compressor, water-cooled screw compressor with warranty**



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Product Description

06TTW356 120HP Water-Cooled Screw Refrigeration Compressor for HVAC Unit

Product Overview

High-Volume Water-Cooled Cooling Output

The 06TTW356 screw compressor HVAC is a high-output power unit specifically built for large-scale commercial water-cooled chillers, central HVAC plants, and industrial liquid chilling facilities. Driven by a 120 HP motor delivering an exceptional volumetric displacement up to 596 m³/hr (356 cfm at 60Hz), this screw compressor HVAC guarantees rapid system thermal pull-down, high volumetric efficiency, and steady temperature maintenance across massive facility cooling demands.

Stepless Output Control & Part-Load Efficiency

Commercial building operators frequently encounter high electrical utility bills and severe current surges caused by fluctuating cooling loads. The 06TTW356 resolves these operational concerns through 25%-100% stepless capacity regulation paired with an integrated liquid economizer circuit, allowing precise load balancing that minimizes start-stop mechanical stress and drastically lowers part-load power consumption.

Heavy-Duty Mechanical Engineering & Structural Integrity

Built with high-precision SKF/NSK rolling bearings, heat-resistant motor windings integrated with internal thermal safeguards, and robust double-casing construction, this screw compressor HVAC ensures zero-leakage performance, reduced operating vibration, and dependable long-term durability in heavy commercial liquid chilling applications.

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	06TTW356
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Nominal Power	120HP
Refrigerant Type	R134a
Displacement (60/50Hz)	356 / 296 cfm 596 / 494 m³/hr
Capacity Control	Stepless Adjustment 25-100%
Economizer	Y
Voltage (V,A)	06TTW356SP1D 460V-3-60Hz-161A 400V-3-50Hz-155A 06TTW356XP1D 230V-3-60Hz-322A 200V-3-50Hz-295A
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
		400V-3-50Hz	75	155	189	303 945									
		230V-3-60Hz	89	322	392	596 1860									
06TTW356XP1D		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: What HVAC applications are best suited for the 06TTW356 compressor?

A1: The 06TTW356 model is engineered for large commercial water-cooled chillers, central air conditioning plants, and industrial process chilling operations using R134a refrigerant.

Q2: How does the economizer circuit improve performance in water-cooled systems?

A2: The built-in 1-3/8 inch economizer port subcools liquid refrigerant before expansion, boosting net cooling capacity and COP without increasing motor electrical load.

Q3: How does stepless capacity regulation reduce building operating costs?

A3: Continuous 25%-100% capacity control smoothly adjusts displacement to match real-time thermal loads, preventing power surges and lowering part-load energy consumption.

Q4: What is your standard production lead time for bulk orders?

A4: In-stock samples ship within 3 working days, while full production orders are completed within 10 to 15 business days.

Q5: What warranty coverage does Ruifujie offer across its product lineup?

A5: Ruifujie provides a standard 1-year comprehensive warranty across all product categories.

Commercial HVAC Solution Consultation

As an established supplier and manufacturer of industrial chilling equipment, Ruifujie delivers factory-direct pricing, complete system matching guidance, and OEM customization for every screw compressor HVAC. Send us your project parameters, required cooling capacity, operating voltage, or batch requirement today, and our engineering team will provide a comprehensive proposal within 8 hours.

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