



06TTM301 Heavy Duty 150HP 400V 460V Refrigeration Screw Air Conditioning Compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Carlyle/Carrier
- Certification: CE
- Model Number: 06TTM301
- 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

- Compressor Type: Mid Temperature
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Horse Power: 150HP
- Application: HVAC, Cooling Units, Cold Room
- Displacement 60/50Hz: 504 / 418 M3/hr
- Highlight: heavy duty screw air conditioning compressor , 400V refrigeration screw compressor, 150HP screw air compressor



More Images



Product Description

06TTM301 Heavy Duty 150HP 400V 460V Refrigeration Screw Air Conditioning Compressor

Product Overview

The 06TTM301 screw air conditioning compressor is engineered for large commercial chillers, precision cleanroom HVAC units, and industrial plant cooling systems. Driven by a robust 150 HP rating with volumetric displacement up to 504 m³/hr (301 cfm at 60Hz), this screw air conditioning compressor delivers outstanding thermal exchange rates, rapid pull-down capability, and reliable climate control for multi-zone commercial structures.

Key Features

Low Noise Profile & Anti-Vibration Design

Noise pollution and mechanical vibration pose severe challenges in modern office buildings, hospitals, and commercial facilities. The 06TTM301 addresses these acoustic requirements with dynamically balanced dual rotors and an acoustic-dampening housing structure, ensuring smooth compression cycles, minimized structural vibration, and significantly lower decibel output during continuous operation.

Advanced Oil Separation & Thermal Stability

Equipped with a multi-stage internal oil separator and low oil carryover architecture, this screw air conditioning compressor prevents oil migration into evaporator circuits, ensuring maximum heat transfer efficiency. Integrated NTC thermal sensors and economizer subcooling ports further protect motor windings from overheating, extending total operating lifespan under high ambient temperature 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	06TTM301
Nominal Power	150HP
Refrigerant Type	R22/R404A/R507
Displacement (60/50Hz)	301 / 250 cfm 504 / 418 m3/hr
Capacity Control	Stepless Adjustment 25-100%
Economizer	Y

Voltage (V,A)	06TTM301SS4D 460V-3-60Hz-227A 400V-3-50Hz-217A 06TTM301XS4D 230V-3-60Hz-456A 200V-3-50Hz-437A
Weight	630kg

R22/R404A/R507 Mid Temperature-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					
06TTM266SS4D	266 / 221 cfm 446 / 369 m³/hr	4-1/8	3-1/8	1-3/8	Stepless Adjustment 25-100%	460V-3-60Hz	150	112	228	278	382	1190	613				
06TTM266XS4D						400V-3-50Hz		93	216	263	388	1210					
						230V-3-60Hz		112	428	521	764	2380					
						200V-3-50Hz		93	408	497	776	2420					
06TTM301SS4D	301 / 250 cfm 504 / 418 m³/hr					460V-3-60Hz	150	112	227	276	382	1190	630				
06TTM301XS4D						400V-3-50Hz		93	217	264	388	1210					
						230V-3-60Hz		112	456	555	764	2380					
						200V-3-50Hz		93	434	528	776	2420					

Company Introduction

Back by over 20 years of expertise in industrial refrigeration and HVAC manufacturing, Ruifujie operates as a full-service production enterprise supplying premium scroll, reciprocating, rotary, semi-hermetic, and twin screw compressors, along with air coolers, blast freezers, and industrial ice machinery. We provide custom OEM/ODM solutions tailored to international engineering standards. Ruifujie exports products globally, serving long-term commercial clients across Russia, the United States, the United Kingdom, Saudi Arabia, the UAE, and other regions. Built on robust R&D and exceptional product value, Ruifujie continuously receives high praise from global buyers.



Frequently Asked Questions

Q1: How does the internal multi-stage oil separator maintain heat exchanger efficiency?

A1: The multi-stage internal separator reduces oil carryover into the refrigerant circuit, preventing oil film buildup inside heat exchangers and maintaining maximum thermal transfer efficiency.

Q2: What structural features help minimize operating vibration in acoustic-sensitive buildings?

A2: High-precision rotor dynamic balancing paired with an optimized casing shell reduces structural vibration, ensuring quiet running conditions suitable for commercial HVAC installations.

Q3: Is the 06TTM301 compressor adaptable to different refrigerant types?

A3: Yes, it is fully compatible with R22, R404A, and R507 medium-temperature refrigerant systems, offering broad flexibility for system designs or field retrofits.

Q4: What standard trade delivery terms and export shipping ports do you support?

A4: We primarily execute orders under FOB Shenzhen or EXW terms, shipping through major international ports with full export documentation support.

Q5: Does Ruifujie provide engineering support for model selection before order placement?

A5: Yes, our technical engineering team offers complimentary pre-sales selection analysis to assist clients in matching compressor specifications to exact system cooling requirements.

Custom Engineering Consultation

As a dedicated manufacturer and supplier of commercial HVAC screw units, Ruifujie provides direct factory quotes, system matching support, and customized OEM solutions for every screw air conditioning compressor. Submit your thermal load parameters, system voltage, or project quantities today, and our engineering team will provide a tailored technical response within 8 hours.



86-13922880636



info@coolstartcn.com



coldroomunit.com

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