



06TTR301 150HP Low Temp Screw Refrigeration Compressor for Freezing Cold Room

Our Product Introduction

for more products please visit us on coldroomunit.com

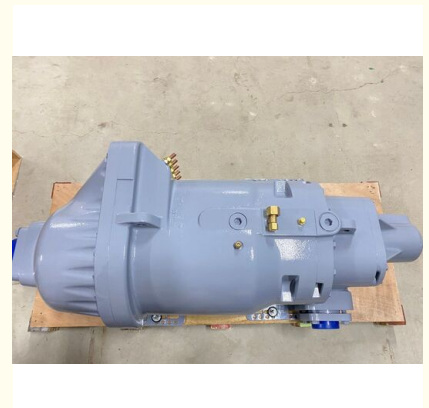
Basic Information

- Place of Origin: China
- Brand Name: Carlyle/Carrier
- Certification: CE
- Model Number: 06TTR301
- 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
- Application: HVAC, Cooling Units, Cold Room
- Displacement 60/50Hz: 504 / 418 M3/hr
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Compressor Type: Low-Temperature
- Highlight: **150HP screw refrigeration compressor, low temp screw compressor for freezing, screw air compressor with warranty**



More Images



Product Description

06TTR301 150HP Low Temp Screw Refrigeration Compressor for Freezing Cold Room

Product Overview

The 06TTR301 screw refrigeration compressor is engineered for large-scale low-temperature cold storage logistics hubs, industrial blast-freezing tunnels, and seafood quick-freezing plants operating on R22, R404A, and R507.

Key Features

- High-Displacement Performance:** Driven by a powerful 150 HP motor with volumetric displacement up to 504 m³/hr (301 cfm at 60Hz), delivering maximum mass flow rate and rapid pull-down capability
- Adaptive Load Balance:** 25%-100% stepless capacity regulation with integrated economizer subcooling circuit for optimized system efficiency
- Rugged Rotor Design:** High-precision asymmetric screw rotors, dual-casing structural integrity, and high-load rolling bearings for strict volumetric efficiency
- Hermetic Sealing:** Built-in motor protection modules, internal oil retention mechanisms, and zero-leakage flange connections

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	06TTR301
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)	06TTR301SS3D: 460V-3-60Hz-210A, 400V-3-50Hz-203A 06TTR301XS3D: 230V-3-60Hz-421A, 200V-3-50Hz-386A
Weight	630kg

R22/R404A/R507 Low-Temperature Freezing - With Economizer													
Model	Displacement 60/50Hz	Interface Size (inch)			Capacity Control	Voltage/Hz (±10%)	Rated HP	Rated Power		Max Current (A)	LRA (A)		Weight (KG)
		Suction	Discharge	Economizer				(kW)	RLA (A)		Y	Δ	
06TTR266SP3D	266 / 221 cfm	4-1/8	3-1/8	1-3/8	Stepless Adjustment 25-100%	460V-3-60Hz	120	89	190	231	298	930	613
06TTR266XP3D	446 / 369 m3/hr					400V-3-50Hz		75	183	223	303	945	
						230V-3-60Hz		89	380	463	596	1860	
06TTR301SS3D	301 / 250 cfm					200V-3-50Hz	150	75	349	425	606	1890	630
06TTR301XS3D	504 / 418 m3/hr					460V-3-60Hz		112	210	256	382	1190	
						400V-3-50Hz		93	203	247	388	1210	
06TTR356SS3D	356 / 296 cfm					230V-3-60Hz		150	112	421	513	764	
	596 / 494 m3/hr					200V-3-50Hz	93		386	470	776	2420	
06TTR356XS3D						460V-3-60Hz	112		238	290	382	1190	
						400V-3-50Hz	93		229	279	388	1210	
						230V-3-60Hz	112		475	578	764	2380	
						200V-3-50Hz	93	435	530	776	2420		

Company Introduction

Rooted in over two decades of technical advancement in industrial refrigeration, Ruifujie operates as a full-scale enterprise producing top-quality scroll, reciprocating, rotary, semi-hermetic, and twin screw compressors, along with air coolers, quick-freezing systems, and commercial ice equipment.

We provide complete OEM/ODM solutions customized to global buyer standards. Ruifujie exports products across international markets, supplying long-term clients in Russia, the United States, the United Kingdom, Saudi Arabia, the UAE, and other regions. Built on robust manufacturing strength and outstanding product value, Ruifujie continuously receives strong commendation from overseas partners.



Frequently Asked Questions

Q1: What applications are best suited for the 06TTR301 low-temperature screw compressor?

A1: The 06TTR301 is engineered for heavy-duty low-temperature refrigeration systems, such as IQF blast freezers, cold storage distribution hubs, and industrial quick-freezing tunnels operating with R22, R404A, or R507.

Q2: How does the economizer circuit enhance low-temperature refrigeration capacity?

A2: The integrated economizer subcools liquid refrigerant before expansion, raising mass flow and overall refrigeration capacity while reducing compressor discharge temperatures during deep-freeze cycles.

Q3: How does the differential pressure lubrication system protect internal components?

A3: It ensures continuous oil supply to bearings and rotors under extreme low suction pressure conditions, preventing oil starvation and reducing

mechanical friction during continuous operation.

Q4: What information is required to receive an official price quotation?

A4: Official quotations are provided within 8 hours upon receiving detailed parameters, including cooling capacity, operating voltage, refrigerant, and working conditions.

Q5: How are compressors packaged and prepared for export shipping?

A5: Units are packaged in solid wooden cases; ocean freight includes pre-charged refrigerant, while air freight excludes refrigerant due to aviation transport regulations.

Cold Chain Engineering Consultation

As a dedicated manufacturer of low-temperature refrigeration screw machinery, Ruifujie offers full engineering assistance, direct factory pricing, and OEM options for every screw refrigeration compressor. Share your operating temperature requirements, voltage setup, or project specifications today, and our technical sales engineering team will deliver a comprehensive proposal within 8 hours.

 **Coolstart** 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