



06TSM155 75HP R404A Refrigeration Semi Hermetic Screw Type Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06TSM155
- Minimum Order Quantity: 1
- Price: Discussed
- Packaging Details: WOODEN CASE
- Delivery Time: 1 Month
- Payment Terms: Western Union, T/T
- Supply Ability: 100PC



Product Specification

- Compressor Type: Air-cooled
- Horse Power: 75HP
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Application: HVAC, Cooling Units, Cold Room
- Highlight: **75HP R404A refrigeration compressor, semi-hermetic screw compressor, screw type compressor with warranty**



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Product Description

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Product Overview

High-Displacement Medium-Temperature Refrigeration Solution

The 06TSM155 semi hermetic screw type compressor is engineered for medium-temperature commercial refrigeration, cold storage facilities, and process chillers working with R22, R404A, and R507 refrigerants. Delivering a nominal 75 HP output with high volumetric displacement reaching 260 m³/hr (155 cfm at 60Hz), this compressor ensures reliable cooling performance, rapid pull-down times, and precise temperature maintenance across demanding industrial refrigeration setups.

Flexible Load Control & Economizer Efficiency

Fluctuating thermal loads and high electrical costs present severe operational challenges for modern cold storage managers. To solve these problems, the 06TSM155 features 25%-100% stepless capacity modulation alongside an integrated economizer circuit, allowing smooth adjustment to real-time cooling demands while boosting energy efficiency and minimizing wear on mechanical drive components.

Heavy-Duty Construction & Motor Safeguards

Built with premium anti-friction rolling bearings, a high-efficiency motor with integrated NTC thermal protection sensors, and an internal check/safety valve system, this semi hermetic screw type compressor guarantees exceptional structural durability, leak-free operation, and extended service life under continuous heavy-load conditions.

Product Image



Technical Specifications

Model	06TSM155
Nominal Power	75 HP
Refrigerant Type	R134a/R22/R404A/R407C/R507/R448A/R449A
Displacement (60/50Hz)	155 / 129 cfm 260 / 215 m³/hr
Economizer	Y
Weight	376kg

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										
06TSM137SJ4D	137 / 114 cfm 229 / 190 m3/hr	3-1/8	2-5/8	1-3/8	Stepless Adjustment 25-100%	460V-3-60Hz	75	56	126	153	174	545	369									
06TSM137XJ4D						400V-3-50Hz		47	118	144	170	530										
						230V-3-60Hz		56	252	307	348	1090										
						200V-3-50Hz		47	235	286	340	1060										
						460V-3-60Hz		56	126	153	174	545										
06TSM155SJ4D	155 / 129 cfm 260 / 215 m3/hr										400V-3-50Hz	75	47	118	144	170	530	376				
06TSM155XJ4D											230V-3-60Hz		56	252	307	348	1090					
											200V-3-50Hz		47	235	286	340	1060					

Company Introduction

With over two decades of technical dedication in commercial refrigeration, Ruifujie stands as a specialized manufacturing supplier producing top-tier scroll, reciprocating, rotary, semi-hermetic, and twin screw compressors, along with cold room evaporators, freezing tunnels, and industrial ice equipment. We provide flexible OEM/ODM manufacturing solutions to meet diverse international engineering demands. Operating a robust global network, Ruifujie exports to major markets including Russia, the United States, the United Kingdom, Saudi Arabia, and the United Arab Emirates. Our commitment to high engineering standards and cost efficiency has earned us lasting confidence among refrigeration buyers worldwide.



Frequently Asked Questions

Q1: Which refrigerants and temperature ranges are supported by the 06TSM155 model?

A1: The 06TSM155 screw compressor is designed for medium-temperature applications operating with R22, R404A, and R507 refrigerants, making it ideal for food preservation cold storage and commercial liquid chilling.

Q2: What advantage does the built-in economizer connection provide for this compressor?

A2: The dedicated 1-3/8 inch economizer port allows liquid subcooling before entering the evaporator, significantly increasing system cooling capacity and boosting overall COP without extra power consumption.

Q3: Can the 06TSM155 compressor adapt to different international electrical standards?

A3: Yes, the 06TSM155 supports multi-voltage operation, including 460V/230V at 60Hz and 400V/200V at 50Hz, ensuring seamless integration into global power grids.

Q4: What is your minimum order quantity (MOQ) and sample policy?

A4: In-stock products have no MOQ, while volume production orders are open to negotiation. Samples are available for a fee, which is fully credited upon reaching mass order volume targets.

Q5: What are the standard lead times, trade terms, and warranty coverage for Ruifujie orders?

A5: In-stock samples ship in 3 days, while mass production orders require 10 to 15 working days. Transactions are executed under FOB Shenzhen or EXW terms in USD, backed by a 1-year standard warranty.

Custom Configuration Service

Leveraging deep manufacturing capabilities and engineering experience, Ruifujie provides customized voltage setups, specialized mounting options, and tailored technical support for every semi hermetic screw type compressor. Share your required operational conditions, cooling capacity, target voltage, or procurement quantity today, and our expert sales team will send a tailored technical quote within 8 hours.



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