



06TSR155 Semi-Hermetic Screw Refrigeration Compressor for Cold Room

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle
- Certification: CE
- Model Number: 06TSR155
- 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

- Horse Power: 75HP
- Application: HVAC, Cooling Units, Cold Room
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Compressor Type: Low-Temperature
- Highlight: Semi-Hermetic screw refrigeration compressor, Cold room screw compressor, 06TSR155 refrigeration compressor



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Product Description

06TSR155 Semi-Hermetic Screw Refrigeration Compressor for Cold Room

Product Overview

The 06TSR155 is a heavy-duty screw refrigeration compressor engineered for industrial freezing plants, cold storage rooms, and food processing systems. With a nominal 75 HP output and displacement up to 260 m³/hr (155 cfm at 60Hz), this compressor delivers continuous high volumetric efficiency for rapid freezing cycles and precise cooling control in commercial B2B installations.

- High-Capacity Performance:** Built for low-temperature applications with superior cooling efficiency
- Stepless Capacity Regulation:** 25%-100% modulation with economizer integration for power savings
- Robust Construction:** Premium SKF/NSK bearings and integrated safety systems for reliable operation



Technical Specifications

Model	06TSR155
Nominal Power	75 HP
Refrigerant Type	R22/R404A/R507
Displacement (60/50Hz)	155 / 129 cfm 260 / 215 m³/hr
Capacity Control	Stepless Adjustment 25-100%
Economizer	Y
Voltage (V,A)	06TSR155SJ3D: 460V-3-60Hz-108A, 400V-3-50Hz-119A 06TSR155XJ3D: 230V-3-60Hz-217A, 200V-3-50Hz-227A
Weight	376kg

R22/R404A/R507 Low-Temperature Freezing - 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					
06TSR137SG3D	137 / 114 cfm 229 / 190 m3/hr	3-1/8	2-5/8	1-3/8	Stepless Adjustment 25-100%	460V-3-60Hz	60	45	101	123	162	505	369				
06TSR137XG3D	400V-3-50Hz					37		98	119	160	500						
	230V-3-60Hz					45		203	247	324	1010						
06TSR155SJ3D	155 / 129 cfm 260 / 215 m3/hr									200V-3-50Hz	75	37	186	226	320	1000	376
06TSR155XJ3D										460V-3-60Hz		56	108	131	174	545	
										400V-3-50Hz		47	119	145	170	530	
06TSR186SJ3D	186 / 155 cfm 312 / 258 m3/hr									230V-3-60Hz	75	56	217	264	348	1090	393
06TSR186XJ3D										200V-3-50Hz		47	227	276	340	1060	
										460V-3-60Hz		56	124	151	174	545	
06TSR223SM3D	483/403 cfm 809/670 m3/hr									400V-3-50Hz	90	47	120	146	170	530	421
										230V-3-60Hz		56	249	303	348	1090	
										200V-3-50Hz		47	227	276	340	1060	
						460V-3-60Hz		78	166	202	243	758					
						400V-3-50Hz		65	160	195	240	750					

Manufacturer Profile

With over 20 years of manufacturing excellence in the cooling sector, Ruifuje is a trusted industrial enterprise specializing in high-efficiency scroll, piston, rotary, semi-hermetic, and twin screw compressors, alongside evaporators, blast freezing equipment, and commercial ice machines.

We offer comprehensive OEM/ODM customization services to meet global client specifications and export products worldwide, supplying contractors across Russia, the USA, the UK, UAE, Saudi Arabia, and beyond. Combining strong R&D capability with outstanding cost competitiveness, Ruifuje maintains stable, long-term partnerships with refrigeration buyers globally.



Frequently Asked Questions

- Q1: What refrigeration systems is the 06TSR155 compressor primarily designed for?**
A1: The 06TSR155 model is ideal for commercial cold storage warehouses, industrial blast freezers, and medium-to-low temperature process cooling equipment requiring dependable performance and high displacement.
- Q2: How does the economizer circuit enhance the performance of the 06TSR155 compressor?**
A2: The built-in 1-3/8 inch economizer port subcools liquid refrigerant before it enters the evaporator, increasing total cooling capacity and efficiency without additional motor workload.
- Q3: What voltage configurations are supported by the 06TSR155 compressor series?**
A3: The 06TSR155 supports flexible power configurations, including 460V/230V at 60Hz and 400V/200V at 50Hz, accommodating standard global power supplies.
- Q4: What is your MOQ policy?**
A4: In-stock items have no minimum order quantity, while production orders are open for negotiation based on bulk requirements.
- Q5: What are the payment terms, shipping methods, and warranty?**
A5: We support TT and Western Union under FOB Shenzhen or EXW terms. Orders are packaged in sturdy wooden cases (sea

shipments include refrigerant; air shipments exclude refrigerant), backed by a 1-year full product warranty.

Volume-Based Quotation

As a leading global supplier of HVAC/R solutions, Ruifujie offers competitive bulk pricing, tailored voltage configurations, and complete technical support for every screw refrigeration compressor. Send us your target project parameters, required cooling capacity, voltage standards, or order volume today, and our engineering team will respond with a full technical quotation within 8 hours.

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



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