



06TVW680 225HP R134a Industrial Water Cooled Screw AC Refrigeration Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Carlyle/Carrier
- Certification: CE
- Model Number: 06TVW680
- 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: 225HP
- Application: HVAC, Cooling Units, Cold Room
- Refrigerant: R134a/R22/R404A/R407C/R507/R448A/R449A
- Displacement 60/50Hz: 1133 / 944 M3/hr
- Compressor Type: Water Cooled
- Highlight: 225HP Screw AC Refrigeration Compressor, R134a Water Cooled Screw Compressor, Water Cooled Industrial Screw Compressor



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Product Description

06TVW680 225HP R134a Industrial Water Cooled Screw AC Refrigeration Compressor

Product Overview

The 06TVW680 AC screw compressor is an industrial-grade cooling engine designed for large commercial water-cooled liquid chillers, central air conditioning installations, and heavy process refrigeration systems using R134a refrigerant.

Key Features

High Volumetric Output: Powered by a high-torque 225 HP motor delivering up to 1133 m³/hr displacement for rapid thermal pull-down and stable efficiency

Stepless Output Modulation: 25%-100% (or optional 15%-100%) capacity modulation with integrated economizer circuit for optimized system performance

Energy Efficient: Minimizes electrical consumption during part-load operating cycles with improved COP

Heavy-Duty Construction: 1173 kg weight with precision 5-inch suction and 4-1/8-inch discharge flange connections

Durable Design: Anti-friction rolling bearings, thermal-protected motor windings, and zero-leakage dual-casing frame

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	06TVW680
Nominal Power	225HP
Refrigerant Type	R134a

Displacement (60/50Hz)	680 / 567 cfm 1133 / 944 m³/hr
Capacity Control	Stepless Adjustment 25-100%/15-100%
Economizer	Y
Voltage (V,A)	06TVW680SW1D 460V-3-60Hz-280A 400V-3-50Hz-261A 06TVW680XW1D 230V-3-60Hz-559A 200V-3-50Hz-522A
Weight	1173kg

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	
06TVW680SW1D	680 / 567 cfm 1133 / 944 m3/hr	5	4-1/8	1-5/8	Stepless Adjustment 25-100%, or 15-100%	460V-3-60Hz	225	168	280	341	578	1800	1173
06TVW680XW1D						400V-3-50Hz		140	261	318	587	1828	
						230V-3-60Hz		168	559	681	1156	3600	
						200V-3-50Hz		140	522	635	1174	3656	
06TVW753SW1D	753/ 628 cfm	6	5			460V-3-60Hz	225	168	310	377	578	1800	1183
06TVW753XW1D	1254 / 418 m3/hr				400V-3-50Hz	140		289	352	587	1828		
					230V-3-60Hz	168		619	754	1156	3600		
					200V-3-50Hz	140		579	705	1174	3656		
06TVW819SW1D	819 / 683 cfm	6	5			460V-3-60Hz	225	168	330	402	578	1800	1191
06TVW819XW1D	1364/ 1137 m3/hr				400V-3-50Hz	140		308	375	587	1828		
					230V-3-60Hz	168		660	803	1156	3600		
					200V-3-50Hz	140		617	751	1174	3656		
06TVW879SW4D	879/732 cfm 1472/1220 m3/hr	6	5			400V-3-50Hz	225	140	308	375	587	1828	1191

Company Introduction

With over two decades 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 worldwide, serving engineering clients in Russia, the United States, the United Kingdom, Saudi Arabia, the UAE, and other regions.



Frequently Asked Questions

Q1: What central air conditioning systems are best matched for the 06TVW680 model?

A1: The 06TVW680 is engineered for commercial R134a water-cooled chillers, central air conditioning plants, and high-capacity industrial liquid chilling operations.

Q2: What interface connections are configured on the 06TVW680 compressor?

A2: The unit is equipped with a 5-inch suction port, a 4-1/8-inch discharge port, and a 1-5/8-inch economizer port for liquid subcooling integration.

Q3: How does the 15% -100% capacity control range benefit building operators?

A3: It enables smooth continuous capacity adjustment during light thermal load periods, preventing frequent compressor cycling and lowering operating power expenses.

Q4: What payment methods are supported for overseas orders?

A4: Ruifujie supports TT and Western Union payment methods.

Q5: What standard trade terms and settlement currency apply to export shipments?

A5: Transactions are executed under FOB Shenzhen or EXW terms, settled in USD.

Commercial Air Conditioning Engineering Support

As an established supplier and manufacturer of commercial chilling equipment, Ruifujie delivers factory-direct wholesale pricing, complete system design guidance, and full OEM support for every AC screw compressor.

Send us your project parameters, required cooling capacity, operating voltage, or batch requirement today, and our engineering sales team will deliver a comprehensive proposal within 8 hours.

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



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