



RC2-230B-Z RC2-230B-W Hanbell Rooftop AC Screw Compressor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Hanbell
- Certification: CE
- Model Number: RC2-230B-Z, RC2-230B-W
- 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: Air/Water Cooled
- Displacement 60/50Hz: 277/230 M3/hr
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Refrigerant: R134a, R22, R407C, R404A, R507A
- Horse Power(60/50Hz): 83/69 HP
- Highlight: Hanbell rooftop screw compressor, RC2-230B-Z screw air compressor, rooftop AC screw compressor with warranty



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Product Description

RC2-230B-Z RC2-230B-W Hanbell Rooftop AC Screw Compressor

Product Overview

Advanced 5:6 screw rotor geometry delivers smooth operation, low noise, and minimal vibration by eliminating wearing components like pistons and valve plates.

Key Features

- **Advanced Rotor Design:** High-precision 5:6 patented screw rotor profile manufactured using advanced CNC gear milling and grinding machinery
- **High-Efficiency Motor:** 3-phase, 2-pole squirrel-cage induction motor with cold suction refrigerant gas guidance for maximum efficiency
- **Reinforced Construction:** Double-walled rotor casing cast from high-strength FC25 gray iron with inner reinforcement ribs
- **10-Bearing Assembly:** Combination of radial and axial bearings with axial balance piston for mechanical endurance
- **Flexible Capacity Control:** Stepped control (35%-50%-75%-100%) or continuous stepless adjustment (25%-100%)
- **Integrated Oil Management:** Direct flange-on FC500 ductile iron oil separator with electronic safety monitoring

Application Areas

- **Commercial Central HVAC Systems:** Large air-cooled and water-cooled chillers for commercial buildings, shopping complexes, and central HVAC facilities
- **Industrial Process Cooling:** Precision fluid chillers in chemical processing, plastics manufacturing, and food production plants
- **Large Cold Storage & Logistics:** Medium and low-temperature cold storage rooms, agricultural pre-cooling facilities, and logistics centers

Product Image



Model	Compressor				Type	Motor				Insulation	Protection	Lubricant Charge	Oil Heater	Hydrostatic Pressure Test	Weight			
	Displacement 60 / 50Hz	Rated Speed	VI	Cap.Control(%)		Nominal Hp		Voltage(V)										
				STEP		STEPLESS	60Hz	50Hz	Starting							60Hz	50Hz	
RC2-100B	118/98	60/50Hz	2.2 2.6 3.0 3.5 4.8	33-66-100	33-100	38	31	3 Phase, 2 Pole, Squirrel Cage, Induction Motor	Y-Δ PWS DOL	208 220 230 380 440 460 480 575	Class F	PTC Protection	150/300	42	7	280		
RC2-140B	165/137			33-66-100	33-100	50	41								8	285		
RC2-180B	216/180			33-66-100	33-100	66	55								7	390		
RC2-200B	233/193			25-50-75-100	25-100	70	58								8	425		
RC2-230B	277/230			35-50-75-100	25-100	83	69								14	555		
RC2-260B	309/257			25-50-75-100	25-100	90	75								14	560		
RC2-300B	352/293			25-50-75-100	25-100	107	89								16	600		
RC2-310B	371/308			35-50-75-100	35-100	110	91								16	580		
RC2-320B	384/320			25-50-75-100	25-100	114	94								16	600		
RC2-340B	407/339			35-50-75-100	35-100	121	101								16	620		
RC2-370B	440/366			35-50-75-100	35-100	130	108								16	640		
RC2-410B	490/407			25-50-75-100	25-100	146	121								380	740		
RC2-470B	567/471			25-50-75-100	25-100	170	141								400	780		
RC2-510B	611/508			35-50-75-100	35-100	183	152								380 440 460 480 575	820		
RC2-550B	660/549			25-50-75-100	25-100	195	162									23	850	
RC2-580B	702/583			35-50-75-100	35-100	210	175									20	840	
RC2-620B	745/619			35-50-75-100	35-100	220	183									23	880	
RC2-710B	858/713			35-50-75-100	35-100	250	208									28	1099	
RC2-790B	952/791			30-50-75-100	25-100	276	230									28	1180	
RC2-830B	993/825			35-50-75-100	35-100	290	234									Y-Δ DOL	28	1215
RC2-930B	1117/929			35-50-75-100	35-100	334	278										28	1240
RC2-1020B	1223/1017			25-50-75-100	25-100	357	297										40	1540
RC2-1130B	1350/1122			25-50-75-100	25-100	393	327										40	1560
RC2-1270B	1521/1268			25-50-75-100	25-100	471	392										53	2200
RC2-1530B	1847/1539			25-50-75-100	25-100	534	443										53	2300

Technical Specifications

Model	RC2-230B-Z/RC2-230B-W
Cooling Type	Air Cooled/Water Cooled
Nominal Power (60Hz/50Hz)	83/69 HP
Refrigerant Type	R134a, R22, R407C, R404A, R507A
Displacement (60/50Hz)	277/230 m³/hr
Capacity Control (Step)	35-50-75-100%
Capacity Control (Stepless)	25-100%
Lubricant Charge	14L
Oil Heater	150/300W
Weight	555Kg

Company Profile

With over 20 years of dedicated experience in the refrigeration industry, Ruifuje is a modern, large-scale manufacturing enterprise. Our extensive product portfolio includes scroll, reciprocating, rotary, semi-hermetic, and screw compressors, alongside premium cold storage and ice-making equipment. We provide comprehensive OEM and ODM customization services and have built long-term, stable partnerships with global B2B buyers across Russia, the United States, the United Kingdom, the United Arab Emirates, Saudi Arabia, and beyond. We are committed to delivering exceptional refrigeration technology and highly cost-effective solutions.



Frequently Asked Questions

What refrigerants are compatible with the RC2-230B compressor?

The RC2-230B is specifically engineered to operate with R22, R407C, R404A, and R507A refrigerants across various HVAC and commercial refrigeration applications.

What capacity control options are available on this model?

The compressor supports 4-stage stepped capacity control (35%-50%-75%-100%) or continuous stepless capacity control (25%-100%) to suit variable dynamic thermal loads.

How is motor thermal protection handled in the RC2-230B?

It features built-in PTC thermistors coupled with an electronic protection module that continuously monitors discharge gas temperature, motor coil winding heat, phase sequence, and phase loss.

What is your standard lead time for wholesale orders?

In-stock sample units ship within 3 business days, while bulk wholesale production orders are delivered within 10 to 15 working days.

Does Ruifujie offer custom OEM options for branding and nameplates?

Yes, Ruifujie provides full OEM and ODM customization services, including multi-language metal nameplates, customized logos, and customized technical specs.

Request a Quote

Ready to integrate the RC2-230B compressor into your commercial HVAC or refrigeration system? Contact the Ruifujie sales team today for factory-direct B2B pricing, dimension sheets, and engineering assistance.

Please provide your required Model, Quantity, Refrigerant, Voltage, Operating Conditions, and Project Requirements to help us quote within 8 hours.

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