



Hanbell RC2-370B-Z RC2-370B-W Screw Refrigeration Compressor for AC Unit

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Hanbell
- Certification: CE
- Model Number: RC2-370B-Z, RC2-370B-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

- Displacement 60/50Hz: 440/366 M3/hr
- Refrigerant: R134a, R22, R407C, R404A, R507A
- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Horse Power(60/50Hz): 130/108 HP
- Compressor Type: Air/Water Cooled
- Highlight: Hanbell semi hermetic screw compressor, AC unit screw type compressor, RC2-370B-Z screw air compressor



More Images



Product Description

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Product Description

Multinational Patents of High-Efficiency Screw Rotors

The RC2-370B features an advanced 5:6 high-efficiency screw rotor profile patented in Taiwan, the UK, the US, and China. Engineered specifically for modern refrigerant characteristics, these rotors are manufactured using precision CNC machining centers, rotor milling, and grinding equipment under strict ISO 9001 process controls. Verified by ZEISS 3D coordinate measuring machines, the rotor geometry delivers high displacement, maximum volumetric efficiency, low noise, and minimal operation vibration.

Double-Walled Rotor Housing

Designed with a double casing structure featuring high-strength internal ribs, the housing minimizes operational noise while offering superior rigidity. Cast from high-strength gray cast iron (FC25), the extremely stable rotor casing prevents thermal expansion even under high-pressure working conditions. All casings are machined by computer-aided machining centers and inspected via precision measuring systems to maintain long-term reliability.

Direct Flange-On Oil Separator

Equipped with a direct flange-on vessel crafted from ductile material (FC500), the oil separator is engineered to withstand high working pressures while delivering maximum oil separation efficiency. Featuring a low-pressure-drop demister, this system simplifies oil management, ensures minimal refrigerant dilution in the lubricant, and maintains optimal oil viscosity across system cycles.

Application Areas

Commercial Central HVAC Systems: Ideal for large-capacity water-cooled and air-cooled liquid chillers operating in commercial buildings, shopping complexes, and industrial central air conditioning plants.

Large-Scale Cold Storage: Designed for medium-to-low temperature logistics facilities, cold rooms, and agricultural precooling applications requiring reliable screw refrigeration compressor performance.

Industrial Process Cooling: Suitable for heavy-duty process chillers in chemical, manufacturing, and food processing plants that run continuously under fluctuating loads.

Product Image



Technical Specification

Model	RC2-370B-Z/RC2-370B-W
Cooling Type	Air Cooled/Water Cooled
Nominal Power(60Hz/50Hz)	130/108HP
Refrigerant Type	R134a, R22, R407C, R404A, R507A
Displacement(60/50Hz)	440/366 m3/hr
Capacity Control(Step)	35-50-75-100%
Capacity Control(Stepless)	35-100%
Lubricant Charge	16L
Oil Heater	150/300W
Weight	640Kg

Model	Compressor				Type	Motor					Insulation	Protection	Lubricant Charge	Oil Heater	Hydrostatic Pressure Test	Weight	
	Displacement 60 / 50Hz	Rated Speed	VI	Cap.Control(%)		Nominal Hp	Starting	Voltage(V)									
				STEP				STEPLESS	60Hz	50Hz							
RC2-100B	118/98			33-66-100	33-100	38	31						7			280	
RC2-140B	165/137			33-66-100	33-100	50	41						7			285	
RC2-180B	216/180			33-66-100	33-100	66	55		208				7			390	
RC2-200B	233/193			25-50-75-100	25-100	70	58		220				8			425	
RC2-230B	277/230			35-50-75-100	25-100	83	69		230				14			555	
RC2-260B	309/257			25-50-75-100	25-100	90	75		380				14			560	
RC2-300B	352/293			25-50-75-100	25-100	107	89	Y-Δ	440				16			600	
RC2-310B	371/308			35-50-75-100	35-100	110	91	PWS	460				16			580	
RC2-320B	384/320			25-50-75-100	25-100	114	94	DOL	480				16			600	
RC2-340B	407/339			35-50-75-100	35-100	121	101		575				16			620	
RC2-370B	440/366		2.2	35-50-75-100	35-100	130	108	3 Phase, 2 Pole, Squirrel Cage Induction Motor					16			640	
RC2-410B	490/407		2.6	25-50-75-100	25-100	146	121			380				16			740
RC2-470B	567/471	3550/2950	3.0	25-50-75-100	25-100	170	141			400	Class F	PTC Protection	18	150/300	42	810	
RC2-510B	611/508		3.5	35-50-75-100	35-100	183	152			415			20			780	
RC2-550B	660/549		4.8	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			380			23			880	
RC2-710B	858/713			35-50-75-100	35-100	250	208			440			28			1099	
RC2-790B	952/791			30-50-75-100	25-100	276	230			460			28			1180	
RC2-830B	993/825			35-50-75-100	35-100	290	234		Y-Δ	480			28			1215	
RC2-930B	1117/929			35-50-75-100	35-100	334	278	DOL	575			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		

Company Introduction

With over 20 years of dedicated experience in the refrigeration industry, Ruifujie 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.



FAQ

Q1: What are the displacement and power ratings for the RC2-370B?

A: At 50Hz, the RC2-370B provides a displacement of 366 m³/hr with a 108 HP nominal rating. At 60Hz, it provides a displacement of 440 m³/hr with a 130 HP nominal rating.

Q2: What capacity control options are integrated into this model?

A: The RC2-370B supports 4-stage stepped capacity control (35%-50%-75%-100%) as well as continuous stepless modulation (35%-100%) for variable load matching.

Q3: How does the FC25 double-walled rotor casing benefit high-pressure operations?

A: The double-wall structure with inner reinforcement ribs prevents casing expansion under high pressure and suppresses operational noise and vibration.

Q4: What is the lead time for B2B wholesale orders from Ruifujie?

A: Standard in-stock samples ship within 3 business days, while full wholesale production orders are fulfilled within 10 to 15 working days.

Q5: Does Ruifujie support OEM customization for nameplates and technical configurations?

A: Yes, Ruifujie offers full OEM/ODM support, including customized multi-language metal nameplates, custom branding, and specific motor electrical setups.

Request a Quote for the RC2-370B

Ready to integrate the high-capacity RC2-370B into your next chiller or commercial refrigeration project? Contact the Ruifujie engineering sales team today for factory-direct wholesale pricing and technical support.

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

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