



Hanbell RC2-790B-Z RC2-790B-W Screw Type Refrigeration Compressor for Cold Storage Room

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Hanbell
- Certification: CE
- Model Number: RC2-790B-Z, RC2-790B-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

- Application: HVAC, Condensing Unit, Cold Room, Rack System
- Compressor Type: Air/Water Cooled
- Horse Power(60/50Hz): 276/230 HP
- Displacement 60/50Hz: 952/791 M3/hr
- Refrigerant: R134a, R22, R407C, R404A, R507A
- Highlight: Hanbell screw refrigeration compressor, cold storage room compressor, screw air compressor with warranty



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Product Description

Hanbell RC2-790B-Z RC2-790B-W Screw Type Refrigeration Compressor for Cold Storage Room

Product Overview

Multinational Patents of High-Efficiency Screw Rotors

The RC2-790B features an advanced 5:6 high-efficiency screw rotor profile patented in Taiwan, the UK, the US, and China. Manufactured using precision CNC machining with strict ISO 9001 process controls and verified by ZEISS 3D coordinate measuring machines, these rotors deliver maximal volumetric displacement, reduced power consumption, low operating noise, and minimal vibration.

Adaptable with Additional Cooling Connections

Designed for operational flexibility under demanding temperature conditions, the compressor includes dedicated auxiliary cooling connections. Integrated ports on the motor casing and compression chamber accommodate liquid injection, external oil cooling loops, and middle-pressure economizer sub-cooling circuits to maximize system efficiency.

Direct Flange-On Oil Separator

Equipped with a direct flange-on vessel crafted from high-strength ductile iron (FC500), the oil separator withstands high working pressures while delivering maximum separation efficiency. The internal low-pressure-drop demister simplifies oil management, reduces oil carryover, and maintains optimal oil viscosity.

Application Areas

Large Cold Storage & Logistics Hubs: Ideal for high-capacity medium-and-low-temperature cold storage warehouses, agricultural precooling facilities, and blast freezing plants.

Industrial Process Refrigeration: Designed for heavy-duty process chillers in chemical, pharmaceutical, and food processing plants requiring precise part-load modulation.

Commercial Central HVAC: Well-suited for large-scale liquid chillers and district air conditioning setups utilizing multi-compressor parallel arrangements.

Product Image

Company Introduction

Ruifujie brings over two decades of technical expertise and global export capability to the B2B refrigeration and HVAC marketplace. We deliver comprehensive cooling solutions—from scroll, semi-hermetic, and screw compressors to customized unit coolers and commercial cold storage systems. Our commitment to strict factory quality controls, competitive direct-from-factory pricing, and reliable lead times makes us a trusted supply chain partner for HVAC OEMs, mechanical contractors, and engineering firms worldwide.



Frequently Asked Questions

How does the economizer port help lower energy consumption in low-temperature refrigeration systems?

Connecting an economizer circuit to the middle-pressure port subcools the liquid refrigerant prior to expansion, boosting total system cooling capacity with minimal additional motor power draw.

What options does the RC2-790B offer for oil temperature control during heavy continuous loads?

The compressor body comes standard with dedicated liquid injection ports and external oil cooler connection ports, allowing system designers to easily integrate supplemental cooling loops to prevent lubricant degradation.

How does the slide valve manage dynamic load changes in cold storage plants?

The hydraulic slide valve supports 4-stage stepped control (30%-50%-75%-100%) or continuous stepless regulation (25%-100%) to precisely match fluctuating cooling demand without frequent cycling.

What is your standard lead time for global commercial shipments?

In-stock sample units ship within 3 business days, while volume commercial manufacturing orders are fulfilled within 10 to 15 working days.

Can Ruifujie supply OEM branded compressors and customized technical nameplates?

Yes, Ruifujie provides comprehensive OEM/ODM solutions, including custom multi-language metal nameplates, tailored motor voltage wiring, and private labeling.

Connect with Our Engineering Team

Upgrading your industrial cooling systems or sourcing heavy-duty **screw type refrigeration compressor** units for an upcoming commercial project? Contact the Ruifujie technical department today for selection support and factory-direct B2B pricing.

To receive a detailed quotation within 8 hours, please include your required Model, Quantity, Refrigerant, Voltage/Frequency, and Operating Conditions in your request.

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