



8BAR Work Air Pressure Piston Rings Air Compressor for High Pressure Applications

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: DM
- Certification: CE;ISO
- Model Number: DM-YSJ
- Minimum Order Quantity: 1
- Price: \$200~\$100000
- Packaging Details: Wooden case
- Delivery Time: 30 Work days
- Payment Terms: T/T
- Supply Ability: 100000pcs/year



Product Specification

- Valve: HERIBIGER
- Rotation Speed: 1120rpm
- Phase: Single Three
- Power Type: Diesel
- Motor Rotation: 1170rpm
- Lubrication Style: Oil-less
- Work Air Pressure: 8BAR
- Speed: 790 R.p.m
- Highlight: **High Pressure Air Compressor,
Piston Rings Air Compressor,
8BAR Piston Air Compressor**

Product Description

Product Description:

A piston compressor is a mechanical device that relies on the reciprocating motion of a piston to pressurize and transport gas. It is a positive displacement compressor, also known as a "reciprocating piston compressor" or "reciprocating compressor". Its working principle is based on the reciprocating motion of the piston in the cylinder. When the piston moves toward one end of the cylinder, the volume of the working chamber decreases and the gas is compressed; conversely, the gas is sucked in. After many such cycles, the gas compression ratio and temperature gradually increase, and finally reach the predetermined pressure and temperature before being discharged.



Features:

Wide range of compression ratios: The compression ratios of the compressors can be easily adjusted to meet specific requirements and cater to various working conditions.

Diverse displacement and power: The range of displacement and power options in the compressors is extensive, ranging from compact 100W units to robust 18.5KW industrial-grade machines, effectively serving a wide spectrum of needs.

Low noise and durability: Specialized noise reduction technologies are incorporated in certain models to ensure quiet operation even in challenging environments such as high temperatures and dusty surroundings, enhancing the overall durability of the compressors.

High energy efficiency and easy maintenance: Noteworthy examples of energy-efficient compressors include the Ingersoll Rand TS series which features a cast iron crankcase for prolonged service life, while products from Atlas Copco are designed with direct drive technology to minimize energy consumption, making maintenance hassle-free.

Technical Parameters:

Model	Rated Horsepower	Cooling Capacity	Input Power	Displacement
2KES-05Y	0,5	1200	0,72	4,06
2JES-07Y	0,7	1680	0,98	5,21
2HES-1Y	1	2130	1,21	6,51
2HES-2Y	2	2190	1,23	6,51
2GES-2Y	2	2540	1,45	7,58
2FES-2Y	2	3150	1,79	9,54
2FES-3Y	3	3130	1,77	9,54
2EES-2Y	2	4070	2,01	11,4
2EES-3Y	3	4070	2,02	11,4
2DES-2Y	2	4900	2,46	13,4
2DES-3Y	3	4900	2,42	13,4

Applications:

Industrial Field: In the industrial field, various equipment is utilized for specific tasks such as laser cutting, painting, and mining operations. Notably, equipment like the 7.5KW screw air compressor is commonly employed.

Refrigeration and Home Appliances: When it comes to refrigeration and home appliances, fully enclosed models are

prevalent in the household refrigerator market. Semi-enclosed models, on the other hand, are commonly used for cold storage preservation purposes.

Medical and Firefighting: Specialized equipment geared towards medical and firefighting applications include items like submersible respirator inflator pumps and oxygen generator pump heads. These are essential for ensuring the safety and effectiveness of operations in critical situations.

Mobile and Special Scenarios: In mobile and special scenarios, technologies like Danfoss DC compressors (12V/24V) play a crucial role. These compressors are specifically designed for vehicle refrigeration to guarantee food safety even in extreme working conditions.



Support and Services:

The Product Technical Support and Services for the Piston Air Compressor include:

- Troubleshooting assistance for any operational issues.
- Repair and maintenance services to keep the compressor running efficiently.
- Guidance on proper usage and best practices for maximizing performance.
- Warranty support and assistance with claims or replacements, if applicable.

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