



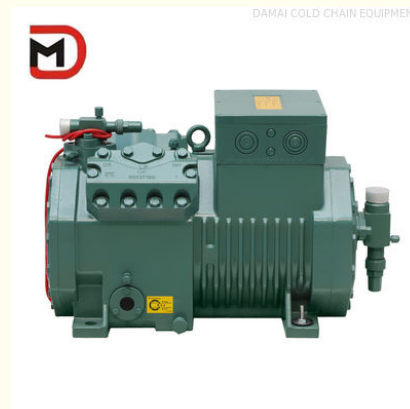
## Diesel Power Piston Air Compressor Big Striking Force for Industrial and Heavy-Duty Applications

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

- Rated Displacement: 1.8-3.5 M3/min
- Item: Air Compressor
- Lubrication Style: Oil-less
- Motor Rotation: 1170rpm
- Phase: Single Three
- Working Pressure: 5bar
- Rotation Speed: 1120rpm
- Feature: Big Striking Force
- Highlight: **Industrial Piston Air Compressor,  
Diesel Piston Air Compressor,  
Heavy Duty 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 classified as a positive displacement compressor, alternatively known as a "reciprocating piston compressor" or "reciprocating compressor". The fundamental operating principle of a piston compressor is centered on the reciprocating motion of the piston within the cylinder.

During operation, as the piston moves towards one end of the cylinder, the volume of the working chamber diminishes, resulting in the compression of the gas within. Conversely, as the piston recedes, gas is drawn into the chamber. Through a series of such reciprocating cycles, the compression ratio and temperature of the gas progressively increase until reaching the predetermined pressure and temperature required for discharge.



### Features:

- 1. Wide range of compression ratios:** The compression ratios can be flexibly adjusted based on requirements to accommodate various working conditions.
- 2. Diverse displacement and power:** There is a broad spectrum of displacement and power available, ranging from compact 100W units to powerful 18.5KW industrial-grade models, catering to a multitude of demands.
- 3. Low noise and durability:** By leveraging noise reduction technology, certain models can operate reliably even in challenging environments such as high temperatures and dusty settings.
- 4. High energy efficiency and easy maintenance:** An example of this is the Ingersoll Rand TS series, which incorporates a cast iron crankcase to enhance longevity. Additionally, products from Atlas Copco are designed to minimize energy consumption through innovative direct drive technology.

### 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

Utilized for various purposes including laser cutting, painting, and mining equipment, such as the 7.5KW screw air compressor.

Refrigeration and Home Appliances

The home refrigerator market is largely dominated by fully enclosed models, while semi-enclosed models are commonly used for cold storage preservation.

Medical and Firefighting

Special equipment in this field includes submersible respirator inflator pumps, oxygen generator pump heads, and other specialized devices.

Mobile and Special Scenarios

Danfoss DC compressors (12V/24V) are employed for vehicle refrigeration, ensuring food safety even under extreme working conditions.



**Support and Services:**

Our company offers comprehensive Product Technical Support and Services for our Piston Air Compressor product. Our team of skilled technicians is available to assist with installation, troubleshooting, maintenance, and repair of the compressor. We provide detailed product information, user manuals, and technical documentation to ensure optimal performance and longevity of the equipment. Additionally, we offer training programs and on-site support services to help our customers maximize the efficiency and reliability of their Piston Air Compressor.



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