



## 0.5~3HP Piston Air Compressor 1170rpm Motor Rotation Air Cooled for Optimal Performance

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

- Power Type: Diesel
- Motor Rotation: 1170rpm
- Series: LBWF-25L(2\*0.75HP), LBWF-25L(2\*1HP)
- Valve: HERIBIGER
- Speed: 790 R.p.m
- Phase: Single Three
- Rotation Speed: 1120rpm
- Item: Air Compressor
- Highlight: **1170rpm Piston Air Compressor,  
Air Cooled Piston Air Compressor,  
2\*1HP 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:

- 1. Wide range of compression ratios:** The compression ratios of these compressors can be easily adjusted to suit different requirements, allowing them to perform effectively in diverse working conditions.
- 2. Diverse displacement and power:** Ranging from lightweight 100W machines to powerful 18.5KW industrial-grade models, these compressors cater to a broad spectrum of applications, meeting a variety of needs.
- 3. Low noise and durability:** Through the integration of noise reduction technology, certain models are capable of operating reliably in challenging environments, such as high temperatures and dusty settings.
- 4. High energy efficiency and easy maintenance:** For instance, the Ingersoll Rand TS series employs a cast iron crankcase to prolong its lifespan, while Atlas Copco products utilize direct drive technology to minimize energy consumption, making them both efficient and easy to maintain.

### 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, equipment is used for various purposes including laser cutting, painting, and mining. Examples of equipment used in this sector include a 7.5KW screw air compressor for mining operations.

**Refrigeration and Home Appliances:** The refrigeration and home appliances sector primarily features fully enclosed models that dominate the home refrigerator market. Semi-enclosed models, on the other hand, are commonly utilized for cold storage preservation purposes.

**Medical and Firefighting:** Specialized equipment in the medical and firefighting industries includes submersible respirator inflator pumps, oxygen generator pump heads, and other essential devices.

**Mobile and Special Scenarios:** In applications such as mobile and special scenarios, Danfoss DC compressors with 12V/24V specifications are deployed for vehicle refrigeration systems. These compressors are crucial for ensuring food safety under extreme working conditions.



### **Support and Services:**

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

- Troubleshooting assistance for any operational issues
- Instruction manuals and technical documentation
- Maintenance guidance and schedules
- Warranty information and claims processing
- Access to replacement parts and accessories
- Online resources such as FAQs and product updates

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