



## High-Performance Piston Air Compressor for Heavy-Duty and Demanding 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
- Cylinder Arrangement: Balanced Opposed Arrangement
- Feature: Big Striking Force
- Phase: Single Three
- Rated Displacement: 1.8-3.5 M3/min
- Speed: 790 R.p.m
- Power Type: Diesel
- Working Pressure: 5bar
- Highlight: **High Performance Piston Air Compressor,  
Demanding Applications Piston Air Compressor  
, Heavy Duty Piston Air Compressor**

### Product Description

# High-Performance Piston Air Compressor for Heavy-Duty and Demanding Applications

## Product Description:

The reciprocating compressor, powered by reciprocating motion such as a piston, is a mechanical tool designed to compress gas. This type of compressor finds extensive application in diverse industrial and commercial cooling systems, encompassing refrigeration, air conditioning, and gas compression operations.

Highly adept at generating robust pressure levels and delivering excellent efficiency, reciprocating compressors cater to industries requiring superior performance levels and substantial gas compression functionalities. These compressors are known for their reliability and consistent gas compression performance.



## Features:

**Simple Structure:** The main components of the piston compressor include cylinder, piston, crankshaft, connecting rod, valve, and seal. These components create a simple structure that is easy to maintain.

**High Pressure Output:** The piston compressor is capable of achieving a higher gas compression ratio in a smaller volume. This feature makes it suitable for applications that require higher pressure output.

**Adjustable Displacement:** The compressor offers adjustable displacement by allowing the stroke of the piston to be adjusted or by changing the number of cylinders. This flexibility enables the exhaust volume to be easily adjusted to meet varying load requirements.

**High Efficiency:** The piston compressor is known for its high efficiency, particularly under stable load conditions. This high compression efficiency contributes to effectively improving the energy efficiency ratio of the system.

## Technical Parameters:

Model	Rated Horsepower	Cooling Capacity	Input Power	Displacement
HSN5343-20	20	31750	25,30	84
HSN5353-25	25	37200	28,70	100
HSN5363-30	30	42950	32,40	118
HSN6451-40	40	51500	36,10	140
HSN6461-50	50	59100	42,90	165
HSN7451-60	60	71100	52,20	192
HSN7461-70	70	81100	55,80	220
HSN7471-75	75	85500	60,90	250

## Applications:

Refrigeration industry:

Piston compressors are widely used in commercial and industrial refrigeration systems, such as large cold storage, refrigerators and air conditioning systems, especially low and medium temperature applications.

Air conditioning system:

In commercial and residential air conditioning systems, piston compressors are used to compress and circulate refrigerants.

Air compression:

Piston compressors are widely used in air compressors to provide compressed air for pneumatic tools, and are widely used in factories, construction, automobile repair and other fields.

Gas transportation:

For the transportation of gases such as natural gas, nitrogen, and hydrogen, piston compressors can effectively compress these gases to the required pressure level.

Oil and gas industry:

In the process of pressurizing and transporting natural gas, piston compressors are used to compress high-pressure gases.



### Support and Services:

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

- Installation assistance for proper setup and operation of the compressor.
- Troubleshooting guidance to address any issues or malfunctions that may arise.
- Regular maintenance recommendations to ensure optimal performance and longevity of the compressor.
- Repair services provided by trained technicians to fix any mechanical or technical problems.
- Online resources and manuals for easy access to information on operating the compressor.



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