



## Customizable Air Compressor For Cold Storage Room Walk In Freezer Walk In Cooler Piston Type

Our Product Introduction

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### Basic Information

- Brand Name: DM
- 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
- Frequency: 50/60 Hz
- Pressure: 8 Bar
- Condition: New
- Motor Speed: 1750 RPM
- Tank Orientation: Vertical
- Cooling Method: Air-cooled
- Model: Scroll Compressor
- Highlight: **Piston Type Air Compressor,  
Customizable Air Compressor,  
Cold Storage Room Air Compressor**

## Product Description

### Product Description:

The essential components of an internal combustion engine include the Crankshaft, Connecting Rod, Valve System, Bearings, Lubrication System, Cooling System, Flywheel, Oil Pump, and Gaskets and Seals.

The Crankshaft serves as the backbone of the engine, converting the linear motion of the pistons into rotational motion.

The Connecting Rod attaches the piston to the crankshaft, transferring the energy from the expanding gas to rotating the crankshaft.

The Valve System controls the intake of air and fuel as well as the exhaust of gases, ensuring proper combustion within the engine.

Bearings are crucial components that support and reduce friction between moving parts, such as the crankshaft and camshaft, allowing them to rotate smoothly.

The Lubrication System is responsible for supplying oil to various engine components, reducing friction and heat generation.

The Cooling System helps maintain the engine's operating temperature by dissipating excess heat produced during combustion.

The Flywheel stores rotational energy and helps smoothen out the engine's power delivery.

The Oil Pump ensures proper oil circulation throughout the engine, providing lubrication and cooling to critical components.

Gaskets and Seals are used to prevent fluid and gas leaks between engine components, maintaining proper pressure levels and preventing contamination.



### Features:

1. Can achieve high compression ratios, making it suitable for high-pressure applications.
2. Used in various industries, including refrigeration, air conditioning, and gas compression.
3. Maintains good efficiency even under varying load conditions.
4. Robust design ensures long service life with proper maintenance.
5. Simple structure allows for convenient servicing and replacement of parts.
6. Can compress different types of gases, including air, refrigerants, and industrial gases.



### Technical Parameters:

#### Main Parameters

**Displacement Volume:** 12.2-54m³/h

**Crankcase Heater:** 120kw

**Refrigeration Oil:** Suniso 3gs

**Weight:** 20-175kg

**Normal Power:** 2.2-50HP



## Applications:

Applications of Piston Compressors:

1. **Refrigeration and Air Conditioning** - Piston compressors are commonly employed in various cooling systems including household refrigerators, commercial freezers, and HVAC systems.
2. **Industrial Manufacturing** - These compressors play a vital role in industrial settings by supplying compressed air to drive machinery, operate tools, and support automation systems.



## Packing and Shipping:

Product Packaging:

The Scroll Air Compressor is carefully packaged in a sturdy cardboard box to ensure safe transportation. The compressor is securely placed and protected with foam padding to prevent any damage during shipping.

Shipping:

We offer fast and reliable shipping services for the Scroll Air Compressor. Once your order is confirmed, the compressor will be promptly dispatched and delivered to your doorstep within the estimated delivery timeframe.



### DM-Piston/Reciprocating Compressor

**DM** piston/Reciprocating-type compressor is a robust and reliable solution designed for various refrigeration applications, especially in cold storage and industrial cooling systems. Utilizing a reciprocating mechanism, this compressor delivers consistent performance with high compression efficiency. Its durable cast iron structure ensures long-term operation under demanding conditions, while advanced valve technology enhances energy efficiency and reduces vibration. Suitable for both medium and low-temperature environments, the piston compressor is favored for its simple maintenance, stable operation, and adaptability to different refrigerants, making it an ideal choice for dependable refrigeration systems.



## FAQ:

**Q: What is the brand name of this air compressor?**

**A:** The brand name is DM.

**Q: What is the model number of this air compressor?**

**A:** The model number is DM-YSJ.

**Q: Where is this air compressor made?**

**A:** It is made in China.



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