



## Customizable Design Piston Type Air Compressor For Cold Room Walk In Freezer Unit

Our Product Introduction

for more products please visit us on [coldroomunit.com](http://coldroomunit.com)

### 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

- Configuration: Stationary
- Transmission Way: Belt Driven
- Power Type: Diesel
- Model: Scroll Compressor
- Frequency: 50/60 Hz
- Pressure: 8 Bar
- Motor Speed: 1750 RPM
- Condition: New
- Highlight: Customizable Piston Air Compressor,  
Cold Room Piston Air Compressor,  
Walk in Freezer Piston Air Compressor

## Product Description

### Product Description:

#### Crankshaft

The crankshaft is a key component of an engine that converts the reciprocating motion of the pistons into rotational motion.

#### Connecting Rod

Connecting rods link the pistons to the crankshaft, transmitting the force generated during combustion.

#### Valve System

The valve system controls the flow of air and fuel into the engine and exhaust gases out of the engine.

#### Bearings

Bearings provide support and reduce friction between moving parts like the crankshaft and camshaft.

#### Lubrication System

The lubrication system ensures that engine components are properly oiled to reduce friction and wear.

#### Cooling System

The cooling system helps regulate the engine's temperature to prevent overheating during operation.

#### Flywheel

The flywheel stores rotational energy and helps maintain smooth engine operation.

#### Oil Pump

The oil pump circulates oil throughout the engine to lubricate moving parts and reduce friction.

#### Gaskets and Seals

Gaskets and seals are used to prevent leaks and maintain proper sealing between engine components.



### 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.



### 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: 35-175kg

Normal Power: 2.2-50HP



## Applications:

Applications of Piston Compressors: -----

1. Refrigeration and Air Conditioning - Piston compressors are commonly utilized in various applications such as household refrigerators, commercial freezers, and HVAC systems to facilitate the cooling process efficiently.
2. Industrial Manufacturing - In the industrial sector, piston compressors play a vital role by supplying compressed air for powering machinery, tools, and automation systems, ensuring smooth operation and productivity.

## Packing and Shipping:

Product Packaging: -----

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

Shipping:

Once your order is confirmed, the Scroll Air Compressor will be packed and prepared for shipping within 1-2 business days. We partner with reliable shipping carriers to deliver your compressor safely and timely to your designated address. You will receive a tracking number to monitor the shipping status of your order.



## 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: This air compressor is made in China.



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