



## Damai Cold Room Compressor for condensing unit cooling system refrigeration part compressor

Our Product Introduction

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### Basic Information

- Brand Name: Damai
- Model Number: DM-YSJ



### Product Specification

- Dimensions: 17.5 X 17.5 X 20.5 Inches
- Weight: 32 Lbs
- Power: 500KW
- Model: Compressor
- Warranty: 1 Year
- Capacity: 20L
- Air Flow: 2.6 CFM At 90 PSI
- Oil-Free: Yes
- Highlight: **Damai Cold Room Compressor,  
Refrigeration Part Compressor,  
Condensing Unit Cooling System Compressor**

## Product Description

### Product Description:

#### Main Machine Configurations

1. Cylinder
2. Piston
3. Crankshaft
4. Connecting Rod
5. Valve System
6. Bearings
7. Lubrication System
8. Cooling System
9. Flywheel
10. Oil Pump
11. Gaskets and Seals



### Features:

#### Advantages

1. **High Compression Ratios:** This type of compressor can achieve high compression ratios, making it ideal for applications requiring high pressure.
2. **Wide Applications:** Used across various industries such as refrigeration, air conditioning, and gas compression, it proves to be versatile and effective.
3. **Stable Efficiency:** Even under varying load conditions, this compressor maintains good efficiency, ensuring consistent performance.
4. **Durable Design:** Its robust design ensures a long service life, especially when proper maintenance practices are in place.
5. **Convenient Servicing:** With its simple structure, this compressor allows for easy servicing and replacement of parts, minimizing downtime.
6. **Compatibility with Various Gases:** Capable of compressing different types of gases, including air, refrigerants, and industrial gases, this compressor offers flexibility in application.



#### 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.



### Technical Parameters:

#### Main Parameters

**Cylinder Number:** 2-3  
**Displacement Volume:** 12.2-54m³/h  
**Crankcase Heater:** 120kw  
**Refrigeration Oil:** Suniso 3gs  
**Weight:** 63-175kg

**Norminal Power:** 2.2-15HP

## Applications:

Applications of Piston Compressors:

Refrigeration and Air Conditioning - Used in household refrigerators, commercial freezers, and HVAC systems.

Industrial Manufacturing - Provides compressed air for machinery, tools, and automation systems.

Ultra Efficient Turbo Compressor for Outstanding High Performance Industrial Applications

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Petroleum and Gas Industry - Used for gas compression in pipelines, refineries, and chemical plants.

Automotive Industry - Found in vehicle air conditioning systems and air brakes for heavy trucks.

Medical Equipment - Used in medical air compressors for hospitals and laboratories.

Power Plants - Supports turbine operation, boiler systems, and pneumatic controls.



## Support and Services:

The Damai Compressor product offers comprehensive technical support and services to ensure optimal performance and customer satisfaction. Our team of experienced technicians is available to assist with any product-related inquiries, troubleshooting, or maintenance needs. Additionally, we provide regular maintenance programs and on-site services to help prolong the lifespan of your compressor and minimize downtime.



## FAQ:

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

A: The brand name of this compressor is Damai.

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

A: The model number of this compressor is DM-YSJ.

**Q: Where is this compressor manufactured?**

A: This compressor is manufactured in China.

**Q: What are the key features of the Damai compressor model DM-YSJ?**


A: The Damai DM-YSJ compressor features a high-performance motor, durable construction, and efficient cooling system.

**Q: Is the Damai compressor model DM-YSJ suitable for industrial use?**

A: Yes, the Damai DM-YSJ compressor is designed for industrial applications and is capable of handling heavy-duty tasks.



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