



## Medical Stationary Scroll Air Compressor with Air Gas in Stationary Environments

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



DAMAI COLD CHAIN EQUIPMENT



### Product Specification

- Configuration: Stationary
- Exhaust Pressure: 2-12 Bar
- Phase: Single
- Capacity: 1.25 M3/min
- Type: Scroll
- Mute: Yes
- Power Source: Electric
- Port: SHANGHAI PORT, NINGBO PORT
- Highlight: **Stationary Environments Scroll Air Compressor,  
Gas Stationary Scroll Air Compressor,  
Medical Stationary Scroll Air Compressor**

## Medical Stationary Scroll Air Compressor with Air Gas in Stationary Environments

### Product Description:

#### Scroll Compressor

A scroll compressor is an advanced device that is commonly used in heating, ventilation, air conditioning, and refrigeration systems. It is designed to efficiently pump refrigerant gas through the system, with the help of two spiral-shaped scrolls, one stationary and the other orbiting.

The interlocking spirals of the scrolls successfully trap and compress refrigerant gas, providing increased efficiency, improved reliability, and whisper-quiet operation. These advanced features make the scroll compressor an essential component in many contemporary cooling and heating solutions, offering exceptional performance and quality.

Renowned for its energy efficiency, reliability and whisper-quiet operation, the scroll compressor has become a popular choice for commercial and residential HVAC systems, refrigeration systems, and other cooling and heating applications.



### Features:

#### Benefits of Scroll Compressors

Scroll compressors are recognized for their efficiency in converting energy to compressed air and are preferred over alternative compressor types for a variety of reasons:

**High Efficiency:** Scroll compressors are known for their superior energy efficiency due to their continuous compression process. This reduces leakage and pressure loss, thereby reducing energy consumption.

**Reliability:** With fewer moving parts than other compressors, scroll compressors are less likely to fail mechanically and offer unparalleled reliability.

**Quiet Operation:** The smooth motion of the scrolls leads to reduced vibrations and noise, making scroll compressors ideal for use in noise-sensitive environments, such as residential settings.

Furthermore, scroll compressors also offer:

**Longevity:** Streamlined design with fewer moving components contributes to a longer lifespan as compared to other compressor types.

**Smooth Performance:** The continuous compression mechanism ensures a steady flow of refrigerant, guaranteeing stable operations and enhanced temperature control.

**Versatility:** Scroll compressors are highly adaptable and found in various applications, such as air conditioning, refrigeration, and heat pump systems.

**Ease of Maintenance:** Scroll compressors' simple design makes maintenance and repair easier, simplifying the upkeep processes.

Model	Power (HP)	Exhaust capacity M3/h	Air condition(7.2/54.4C)		Weight( Kg)	Height (mm)
			Refrigeration	Input power (W)		
			Capacity( W)			
Single phase						
ZR16K3-PFJ	1.33	3.97	4010	1320	25.9	370.4
ZR18K3-PFJ	1.5	4.37	4400	1440	25.9	370.4
ZR20K3-PFJ	1.69	4.76	4890	1600	25.9	370.4
ZR22K3-PFJ	1.83	5.34	5330	1730	25.9	382.8

ZR24K3-PFJ	2	5.92	5920	1870	26.3	382.8
ZR26K3-PFJ	2.17	6.27	6330	2000	25.9	382.8
ZR28K3-PFJ	2.33	6.83	6910	2150	27.2	382.8
ZR30K3-PFJ	2.5	7.3	7380	2290	28.5	405.5
ZR32K3-PFJ	2.67	7.55	7760	2410	28.1	405.5
ZR34K3-PFJ	2.83	8.02	8200	2520	29.5	405.5
ZR36K3-PFJ	3	8.61	8790	2700	29.5	405.5
ZR40K3-PFJ	3.33	9.43	9670	2970	29.9	419.3

## Applications:

### Scroll Compressors in Various Application Scenarios

Scroll compressors have numerous applications in different fields of the refrigeration and heating industry. Some of the most common application scenarios of scroll compressors include heat pumps, commercial air conditioners, refrigeration and freezing equipment, and other refrigeration (heating) equipment. In this article, we will explore the various fields where scroll compressors are widely used.

#### Heat Pump System

Scroll compressors play a pivotal role in the performance of heat pump systems. Thanks to their excellent power balance, low vibration and noise, and small pressure fluctuations, scroll compressors provide obvious advantages in heat pump applications. In particular, scroll heat pump compressors are highly efficient in the preparation of hot water in air source heat pumps, and they deliver successful results in high-temperature heat pump applications.

#### Commercial and Industrial Air Conditioners

Scroll compressors are an ideal choice for small to medium-sized commercial air conditioners and industrial refrigeration equipment. With a cooling capacity range of approximately 10 to 50kW, scroll compressors are suitable for a variety of systems such as multi-split systems below 5 horsepower, small air-cooled and ground-water source heat pump units, and more.

#### Refrigeration and Freezing Equipment

Scroll compressors are also widely used in refrigeration and freezing equipment, playing a significant role in the cold storage and cold chain logistics industries. These compressors are a necessity to meet the food preservation and storage requirements in these sectors, making them a crucial component for reliable operation.

## Support and Services:

The Scroll Air Compressor is a high-quality, reliable product that is designed to meet the needs of a wide range of industrial and commercial applications. Our technical support and services team is committed to ensuring that our customers get the most out of their Scroll Air Compressor. Our services include:

- Technical support: Our team of experts is available to answer any questions or concerns you may have about your compressor. We can help you troubleshoot issues and provide guidance on maintenance and repairs.
- Preventive maintenance: Regular maintenance is essential to keep your compressor running smoothly and prevent breakdowns. We can work with you to develop a preventive maintenance plan that meets your specific needs.
- Repairs: If your compressor needs repairs, our team can provide fast and effective service to get you back up and running as quickly as possible. We use only genuine parts and have a team of skilled technicians who can handle any repair.
- Training: We offer training programs to help you and your staff get the most out of your compressor. Our training programs cover everything from basic operation to advanced maintenance and repair techniques.



## FAQ:

### Q1: What is the brand name of this air compressor?

A1: The brand name of this air compressor is DM.

### Q2: What is the model number of this air compressor?

A2: The model number of this air compressor is DM-YSJ.

### Q3: Where is this air compressor made?

A3: This air compressor is made in China.

### Q4: Does this air compressor come with any certifications?

A4: Yes, this air compressor comes with CE and ISO certifications.

### Q5: What is the minimum order quantity and price of this air compressor?

A5: The minimum order quantity for this air compressor is 1 and the price ranges from \$200 to \$100000.

### Q6: What is the packaging details for this air compressor?

A6: The packaging details for this air compressor is wooden case.

### Q7: How long is the delivery time for this air compressor?

A7: The delivery time for this air compressor is 30 work days.

### Q8: What are the payment terms for this air compressor?

A8: The payment terms for this air compressor is T/T.

**Q9: What is the supply ability of this air compressor?**  
A9: The supply ability of this air compressor is 100000pcs/year.

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