



Industrial High-Performance Scroll Compressor For Refrigeration Unit

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

- Exhaust Pressure: 2-12 Bar
- Mute: Yes
- Capacity: 1.25 M3/min
- Type: Scroll
- Rated Power: Customized
- Port: SHANGHAI PORT, NINGBO PORT
- Phase: Single
- Gas Type: Air
- Highlight: Industrial Scroll Compressor,
High Performance Scroll Compressor,
Refrigeration Unit Scroll Compressor

DAMAI COLD CHAIN EQUIPMENT



Industrial High-Performance Scroll Compressor For Refrigeration Unit

Product Description:

A scroll compressor is a sophisticated piece of equipment that finds extensive application in heating, ventilation, air conditioning, and refrigeration systems. This innovative device employs two spiral-shaped scrolls – one fixed and the other moving in orbit – to efficiently trap and compress refrigerant gas within their intermeshing spirals.

The scroll compressor stands out for its exceptional efficiency in circulating compressed gas through the system, playing a crucial role in the functionality of most contemporary technologies.

Dependability is a defining characteristic of the scroll compressor, which is widely trusted across various industries. Additionally, its energy-efficient performance makes it a preferred option for both commercial and residential heating and cooling systems.

In addition to its reliability and efficiency, the scroll compressor operates with minimal noise, which is a valuable feature in environments where noise levels are a top concern. Its quiet operation is particularly advantageous in settings like medical facilities, offices, and residential structures.



Features:

- Simple structure** : The scroll compressor has no reciprocating mechanism, simple structure, small size, light weight, few parts, and high reliability.
- High efficiency and energy saving** : The compression process of the scroll compressor is smooth and continuous, with high energy efficiency, suitable for use in various working conditions.
- Low noise and low vibration** : Due to its few moving parts and smooth operation, the scroll compressor has low noise and vibration, suitable for applications that require a quiet environment.
- Easy maintenance** : The scroll compressor has a novel structure, the main operating parts only have meshing without wear, long life, and low maintenance cost.

Technical Parameters:

Model	Power (HP)	Exhaust cpacity M3/h	Air condition(7.2/54.4C)		Weight(Kg)	Height (mm)
			Refrigeration	Input power		
			Capacity(W)	(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 find extensive application in various industries such as air conditioning, refrigeration systems, heat pumps, automobiles, industrial production, agriculture, transportation, medical equipment, and food processing, among others. Due to their excellent performance characteristics such as high efficiency, energy-saving capabilities, low noise operation, and minimal maintenance requirements, they are commonly utilized for different purposes in these fields.


These compressors play a crucial role in ensuring the effective functioning of air conditioning and refrigeration systems by providing reliable and efficient compression of refrigerants. Moreover, they are integral components in heat pump systems, aiding in the transfer of heat energy efficiently. In the automotive sector, scroll compressors are employed for various applications, contributing to enhanced vehicle performance and comfort.

Industries like agriculture, transportation, and medical equipment benefit from the use of scroll compressors due to their reliability and durability. In food processing facilities, these compressors help maintain optimal temperature conditions for preserving food quality and safety, making them indispensable in the food industry. Overall, the versatile nature and superior performance of scroll compressors make them a preferred choice across a wide range of applications.



Support and Services:

The Scroll Air Compressor product comes with comprehensive Product Technical Support and Services to assist users with any issues or queries they may have. Our team of experienced technicians is available to provide troubleshooting guidance, maintenance tips, and product information to ensure optimal performance and longevity of the compressor.

 **Zhejiang Damai Cold Chain Equipment Co., Ltd.**

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