



## 450 Lbs Reciprocating Copeland Air Compressor For Heavy-Duty Applications

### Our Product Introduction

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

#### 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

- Type: Reciprocating
- Tank Orientation: Vertical
- Air Delivery: 18.5 CFM
- Weight: 450 Lbs
- Maximum Pressure: 175 PSI
- Dimensions: 30 X 24 X 72 Inches
- Power Source: Electric
- Voltage: 230 V
- Highlight: Reciprocating Copeland Air Compressor,  
Heavy Duty Copeland Air Compressor,  
450 Lbs Copeland Air Compressor



DAMAI COLD CHAIN EQUIPMENT



## Product Description

### 450 Lbs Reciprocating Copeland Air Compressor for Heavy-Duty Applications

#### Product Description:

Scroll compressors have become the most prevalent compression technology in the air conditioning industry, as they offer undeniable superiority over the reciprocating and screw compressors. They are used in split systems, rooftops, packaged units, and chillers. To further improve the efficiency and comfort of large capacity systems, several combinations of fully Copeland™ qualified multiple compressor assemblies are available. These include tandem and trio units that can optimize the seasonal efficiency, reduce operating costs, and deliver optimal comfort.



#### Features:

##### Benefits of Scroll Compressor:

The scroll compressor is a popular choice in various industrial applications due to its unique features. Let's take a look at some of the benefits offered by a scroll compressor:

- 1. Simple and Lightweight Structure:** The scroll compressor has a simple structure that includes a small number of parts and wearing materials. It is relatively small in size and lightweight. As a result, it is a reliable option for various applications.
- 2. Smooth and Low Vibration Operation:** The scroll compressor lacks a reciprocating mechanism, leading to smooth operation with low torque changes and vibration. It produces less noise, is easy to automate, and requires minimal operation effort.
- 3. High Efficiency:** The scroll compressor's efficiency is commendable. Within its refrigeration capacity range, the device provides high efficiency, rendering it suitable for various applications.
- 4. Long-Term Use and Minimal Maintenance:** The parts of a scroll compressor endure minimal wear and tear during operation, leading to prolonged life expectancy. The device is virtually a maintenance-free compressor, making it a superior option as a power source for pneumatic machinery.

Pneumatic machinery.						
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: An Overview

Scroll compressors are a popular type of compressor used in various applications, including heat pumps, air conditioning systems, refrigeration equipment, and electric vehicles. These compressors operate using two spiral-shaped scroll elements that compress the refrigerant gas, creating a continuous flow of pressure.

Applications of Scroll Compressors

Scroll compressors are widely used in the following fields:

### 1. Heat Pumps

One of the primary uses of scroll compressors is in heat pumps. These compressors are used for cooling and heating in heat pump systems, making them suitable for a range of applications, including heating, hot water, drying, and more.

### 2. Commercial Air Conditioners

Scroll compressors are also commonly used in various commercial air conditioning systems. These include multi-split systems, air-cooled heat pump modules, and other commercial air conditioning systems.

### 3. Refrigeration Equipment

Finally, scroll compressors are used in refrigeration and freezing equipment, such as cold storage warehouses, cold chain logistics vehicles, and more. They play a crucial role in maintaining proper temperature and humidity levels in these environments. Overall, scroll compressors are a versatile tool, providing reliable and efficient compression in a variety of settings.

## Support and Services:

Copeland Air Compressor product technical support and services include:

24/7 technical support and troubleshooting assistance

On-site installation and start-up assistance

Preventive maintenance programs

Compressor overhaul and rebuild services

Replacement parts and accessories

Training programs for operators and maintenance personnel

For more information or assistance with your Copeland Air Compressor, please contact our customer service team.



## FAQ:

What is the brand name of the air compressor?

DM

What is the model number of the air compressor?

DM-YSJ

Where is the air compressor manufactured?

China

What certifications does the air compressor have?

CE;ISO

What is the minimum order quantity for the air compressor?

1

What is the price range for the air compressor?

\$200~\$100000

What are the packaging details for the air compressor?

Wooden case

What is the delivery time for the air compressor?

30 work days

What are the payment terms for the air compressor?

T/T

What is the supply ability for the air compressor?

100000pcs/year



86-13246760185



sales3@dmllcn.com



coldroomunit.com

Factory No. 1, Wanfeng Aviation Town, Wozhou Town, Xinchang County, Zhejiang Province