

# Rotary Vane Compressor

This rotary vane compressor has a theoretical displacement of 72 ml/r and weighs 2.65 kg, excluding the clutch. It is designed for R134a refrigerant and requires RS20 lubricating oil.

项目	参数	
理论排量	ml/r	72
重量	kg	2.65 (不含离合器)
允许连续转速	r/min	800-1800
安装允许最大倾角 (°)		±35
旋转方向		顺时针
使用制冷剂		R134a
润滑油型号		RS20 (不可替代)
油量	ml	120±10
额定电压	V	12
消耗功率	W	< 42 (20°C时)
静摩擦扭矩	N·m	≥ 25

## Overview

### High-Performance Rotary Vane Compressor

This rotary vane compressor is engineered for reliability and consistent performance in demanding applications. Featuring a theoretical displacement of 72 ml/r and a versatile operational speed range of 800-7800 r/min, it is designed to meet rigorous industrial standards. The unit supports R134a refrigerant and is built for efficient operation with a 12V rated voltage, ensuring compatibility with standard automotive or industrial cooling systems.

## Performance Metrics

### Key Performance Metrics

72 ml/r

Theoretical Displacement

42 W

Max Power Consumption

25 N·m

Min Static Friction Torque

## Technical Specifications

### Operational Parameters

Parameter	Value
Rated Voltage	12V
Continuous Speed Range	800-7800 r/min
Rotation Direction	Clockwise
Max Installation Angle	±35°

### Fluid & Lubrication

- Refrigerant: R134a
- Lubricating Oil: RS20 (Non-substitutable)
- Oil Capacity: 120±10 mL

## Physical Characteristics

Weight	2.65 kg
Important Notes	Excludes clutch, Non-substitutable oil, Clockwise rotation