

Precision Air Conditioning Unit

This air conditioning unit features both indoor and outdoor units. It has a galvanized sheet metal structure, a powder coating panel, and a soundproof panel.



ADDITIONAL IMAGES



Overview

High-Precision Climate Control

This precision air conditioning unit is engineered for critical environments like data centers, server rooms, and laboratories where stable temperature and humidity are essential. It features a robust galvanized sheet metal structure with soundproof panels and high-efficiency G4 filtration to maintain air quality. Controlled by an advanced micro-processor, the system ensures reliable operation through intelligent compressor management and comprehensive safety monitoring.

Key Features

Structural Features

- Galvanized sheet metal structure with powder coating
- Soundproof paneling for noise reduction
- Double suction centrifugal fan unit
- Standard G4 filter (F5-F8 optional) with 90.1% efficiency
- Micro-processor control with 'first start, first stop' logic
- Integrated thermal expansion valve and high/low pressure safety switches

Applications

Suitable Environments

3G/4G/5G Base Stations, Data Centers, Outdoor Equipment Rooms, Substations, Communication Rooms, Laboratories, Warehouses

Performance Metrics

Cooling Performance

8 kW

Min Cooling Capacity

101 kW

Max Cooling Capacity

380 V

Rated Voltage

Technical Specifications

Model Range Specifications

Model Series	Total Cooling (kW)	Air Volume (m3/h)	Compressors	Noise dB(A)
RCU/S 0075	8.0	2200	1	52
RCU/S 0250	25.0	5750	1	57
RCU/D 0356	35.6	11550	2	60
RCU/D 1010	101.0	28000	2	65

Compliance & Quality



Our equipment meets rigorous international standards including CE and ISO certifications for quality and environmental management.

Compliance Standards

ISO 9001 • ISO 14001 • ISO 45001 • CE • IEC 204-1 • EN60204-1 • CEN-EN Filter Standard

Operational Parameters

External Static Pressure	350 Pa
Power Supply	380V / 3N / 50Hz