



AIR-COOLED CLOSE CONTROL AIR CONDITIONER



Air-cooled Close Control Air Conditioner



Gree JKF series close control air conditioner is used for the rooms that place computers, equipment, servers, etc. The unit adopts advanced design principle for system structure and also is equipped with the function of powerful and precise logic control. Through overall laboratory test of high standard and the strict control by production quality management system, the unit can efficiently control the ambient temperature and humidity with precision, which enables the long-term stable and continuous run of the unit and satisfies the precious air conditioning demands of transportation, power, IT and other industries. Cooling capacity of R410A models ranges from 5kW to 40kW. Every unit has reserved the long distance monitoring function. 253 modules at the most can be combined for operation.



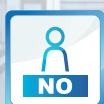
Year-round operation



Overall detection



High control precision



No-duty operation



Various air outlets



High-efficiency filtration



Convenient maintenance

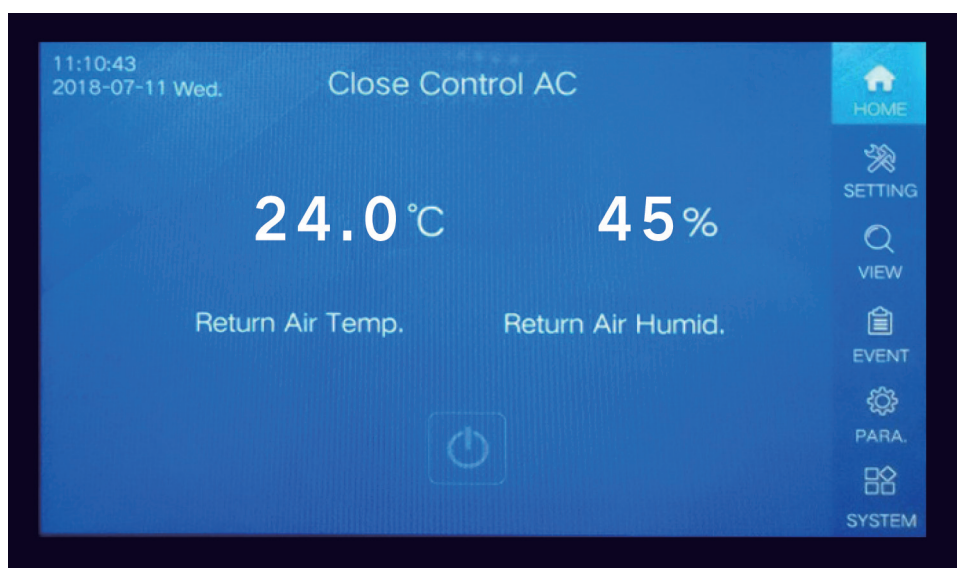


Energy-saving function



Excellent Man-machine Interface

- 7-inch colorful LCD touch screen.
- Chinese and English interface optional.
- Dynamic display of operation status and operation curve.
- Up to 1000 historical warnings storage and display.
- Comprehensive monitoring of unit operation status, including ambient temperature and humidity, evaporator inlet and outlet temperature, unit component status, voltage, current, water accumulation and fire alarm, etc.



Warning Protection

- Phase loss or reverse protection, high pressure and low pressure protection, discharge temperature protection, overload protection, electric heating protection, humidity error protection and floor water accumulation warning, etc.
- With auto startup for power recovery and power failure memory function. If power failure occurs during operation, when power is recovered, the air conditioner will automatically resume to the previous setting status, which actually requires no duty in the machine room.
- User linkage, fire control detection, fire alarm and other functions are available.



Long-distance Control

- Standard RS485 communication interface and ModBUS communication protocol.



- Convenient capacity extension: 253 modules at the most can be combined for control, which is convenient and flexible for machine room extension.



Group Control

Backup, backup unit switchover, operation unit adjustment and mode conflict prevention can be achieved.

- Backup: When there's error for the unit in the group, the backup unit will operate automatically and improve the reliability of the air conditioning system.
- Backup unit switchover: Switch backup unit regularly to balance operation time and operation lifespan of unit.
- Operation unit adjustment: Adjust operation unit quantity according to the load change of the machine room.
- Mode conflict prevention: Avoid several units in the same machine room operating at the opposite modes at the same time (cooling/heating, humidifying/dehumidifying).





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High Reliability

- Non-stop and reliable operation for all year round.



- High anti-electromagnetic interference ability, stable signal transmission, precise control and high system reliability.



- Independent electric control cabinet: Electric control cabinet is isolated completely with the refrigeration system to prevent short circuit caused by condensation.



- Wide operation temperature range. The unit can operate in cooling mode at outdoor ambient temperature from -35°C to 48°C , which is applicable in both severe cold area and tropical region.



- All accessories have been tested and inspected strictly.

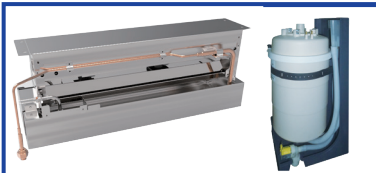


High Efficiency & Energy Conservation



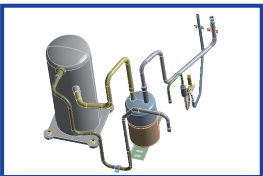
High-efficiency Electric Heater

The heater can operate in different levels with low energy consumption according to the load change.



Infrared Humidification and Electrode Humidification

Infrared humidifier has quick humidification for high adaptability to water quality. Electrode humidifier ensures germ-free operation for generating clean steam. Thus Humidification volume in the machine room is stable and meets the requirements.



Dynamic Simulation and Damping Design of Electronic Component

Effectively reduce vibration stress and operation noise by utilizing dynamic simulation design.



Scroll Compressor

High-efficiency hermetic compressor with high efficiency and low noise.

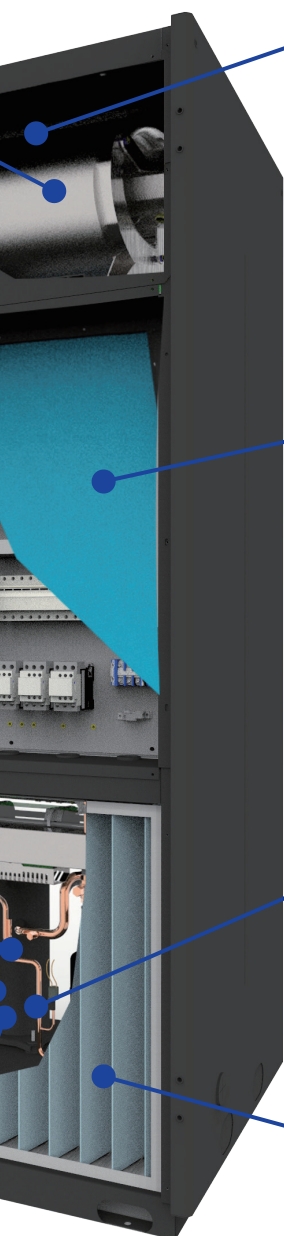


Refrigerant

High-efficiency and eco-friendly R



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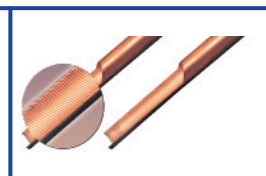
Centrifugal Fan

High transmission efficiency, low noise, big flow,
small size and compact structure.



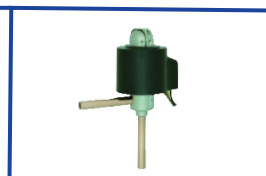
Heat Exchanger

Small seam hydrophilic aluminum foil fin and
inner-threaded heat exchange copper pipe with high
heat exchange efficiency.



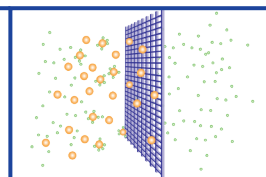
Electronic Expansion Valve

Quick regulation speed and high control precision.



G4 Filter

Big-area filter with metal frame structure, low wind
resistance and high cleanness.



410A refrigerant.



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Note:

Gree is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

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