GREE
Change for Life

AIR-COOLED CLOSE CONTROL AIR CONDITIONER

ТОО "Everest climate", Р. К., г.Алматы | +7 727 230 00 10, +7 777 250 10 90 | www.aircon.kz, e-mail: info@aircon.kz

Air-cooled Close Control Air Conditioner

GREE JKF air-cooled control air conditioner is dedicated to the equipment room and machinery room that place communication apparatus, computers, precise instruments, etc.

It can achieve efficiency controlling of the ambient temperature and humidity with more precision than normal type of air conditioners, in this way, the long-term stable and continuously run of the unit can be guaranteed.

AIR-COOLED CLOSE CONTROL AIR CONDITIONER

Outdoor unit: 5~40kW

Indoor unit : 5~40kW

6 Kinds Single Capacity（R22/R410A）

Capacity range:

5kW、7kW、13kW、19kW、25kW、40kW

Dehumidifying range: 2～8kg/h

Heating range: 3～18kW

Air cycle range: 1900～13000m³/h

3 Ways of Air-Flow

Free air-flow
(with air cap)

Front inlet and up outlet
(connecting air duct)

Up inlet and down outlet
(floor air outlet)

Two Operation Modes

（1）Self operation

Module Mode Setting				
Module 1	Link	ON	Alone	Auto
Module 2	Break	OFF	Alone	Auto
Module 3	Break	OFF	Alone	Auto
Module 4	Break	OFF	Alone	Auto
Duty Time		90	Day	
Standby Units		0	Unit	
Main Menu	Prev.	Next	Back	Home

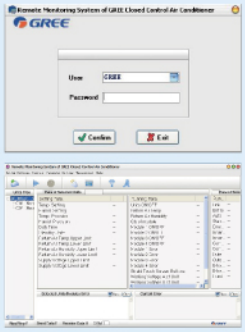
（2）Group operation by group controller（optional）

Module Mode Setting				
Module 1	Link	ON	Entire	Auto
Module 2	Link	ON	Entire	Auto
Module 3	Link	ON	Entire	Auto
Module 4	Link	ON	Entire	Auto
Duty Time		180	Day	
Standby Units		0	Unit	
Main Menu	Prev.	Next	Back	Home

Two Controlling Methods

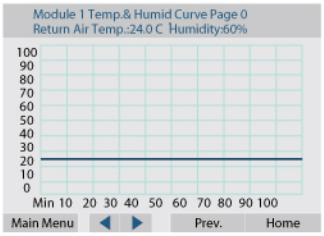
（1）Touch screen controlling(standard)（2）Remote controlling system

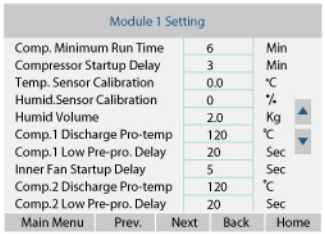
Touch Screen (standard)

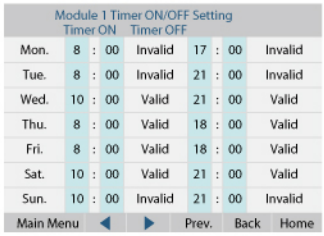


Easy & Powerful Control

- 5.6' touch screen control, convenient operating.
- Multi-function display, displaying model operating status in value, data or curve.
- Entire monitoring, environmental temp or humidity, current and voltage, fire alarm and so on.
- Non-on duty operating, weekly on/off setting, break down memory and resume, long distance and offsite control.

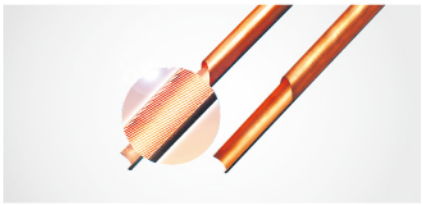






Efficient & Reliable, Care Facilities Perfectly

- Adopt world famous accessories, high efficiency scroll compressor, inner screw cooper tube, hydrophilic aluminum fins, out fan motor stepless adjustment.



- Strict incoming inspection by GREE's unique screening department for each component. Entire operating test by QA before delivery.

- Wide operating range, extra low temp operating at -35℃ outdoor. +48℃ overload operating.

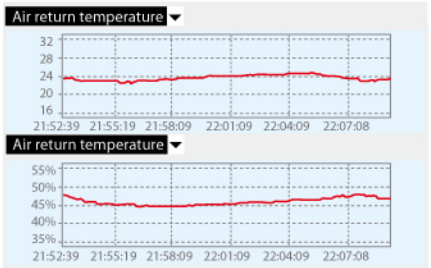
- High air flow, small enthalpy, high sensible capacity, neutralize ambient temp and humidity, evaporate heating dead angle.

SHR: Sensible Heat Ratio

- Rapid dehumidifying: two steps evaporator design, control humidity rapidly.

Modular Design, Flexible to Select & Install

- Step control each module, adjust capacity several levels, sensible to used to ambient loading changing, precise control temp and humidity.

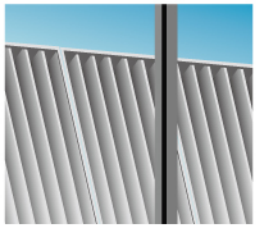


- Alternative operating and backup between each module, balanced control.

- Easy transportation and expanded, flexible installation, maximum to control 253units same time.

Human Friendly Design

- Independent electric control, complete separated between electric box and cooled air system, avoid condensing short risk.
- Panel tightly fixed by hook, no screw outside, good appearance, easy disassemble.
- Big high efficient G4 level filter, ensure room's cleanness, decrease air pressure losing.
- ODU adopt upper outlet down return to recycle condensing air, avoid air outlet blocked, consistent with all year around running.

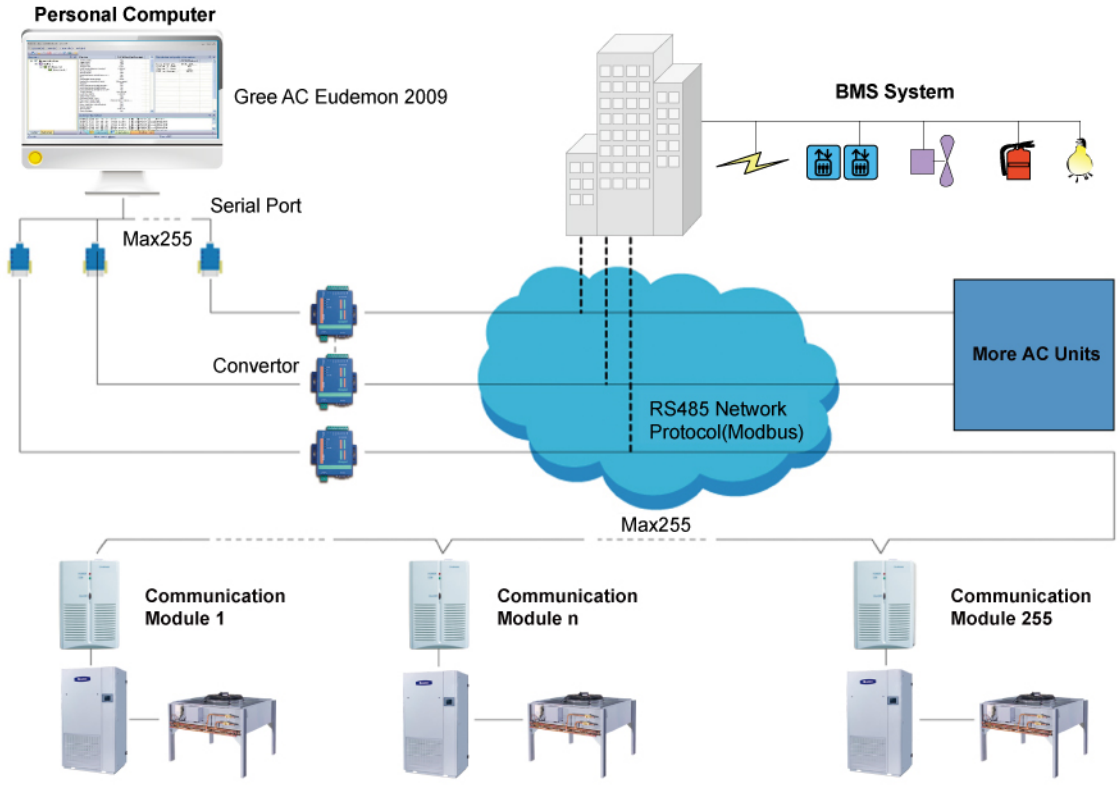


Other Advantages

- Refrigerant flow controlled by EXV, more rapid and precise.

- Direct drive centrifugal fan motor. More high efficiency and flow, lower noise, and compact design.

Gree AC Eudemon 2009 PC Suite



Model		R22	JKFD5C-E	JKFD5QS-E	JKFD5SX-E	JKFD7C-E	JKFD7QS-E	JKFD7SX-E
		R410A	JKFD5DC/Na-E	JKFD5DQS/Na-E	JKFD5DSX/Na-E	JKFD7DC/Na-E	JKFD7DQS/Na-E	JKFD7DSX/Na-E
Air supply and return arrangement			Frontal discharge,frontal return	Up discharge,frontal return	Down blow,return from top	Frontal discharge,frontal return	Up discharge,frontal return	Down blow,return from top
Cooling Capacity	Total / Sensible*1	kW	4.8/4.3	4.8/4.3	4.8/4.3	6.4/5.8	6.4/5.8	6.4/5.8
	Total / Sensible*2	kW	5.0/4.4	5.0/4.4	5.0/4.4	6.9/6.1	6.9/6.1	6.9/6.1
	Total / Sensible*3	kW	4.9/4.7	4.9/4.7	4.9/4.7	7.0/6.4	7.0/6.4	7.0/6.4
	Total / Sensible*4	kW	5.4/4.8	5.4/4.8	5.4/4.8	7.3/6.5	7.3/6.5	7.3/6.5
Heating Capacity		kW	3	3	3	3	3	3
Rated Humidifying Capacity		kg/h	2	2	2	2	2	2
Air Flow Volume		m^3/h	1850	1900	1900	2000	2200	2200
External Static Pressure		Pa	0	15	15	0	15	15
Acoustic Noise of Indoor Units		dB(A)	61	62	62	61	62	62
Range of Temp. Controlling and Precision			17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃
Range of Humidity and Precision			40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%
Power Supply			220V~50Hz	220V~50Hz	220V~50Hz	220V~50Hz	220V~50Hz	220V~50Hz
Cooling System	Compressor	Type	Hermetic Scroll Type			Hermetic Scroll Type		
	Evaporator	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin			Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Condenser	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin			Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Throttling Method		Electric Expansion Valve			Electric Expansion Valve		
Indoor Unit								
Air Supply System	Fan	Type	Low Noise and Centrifugal External-rotor			Low Noise and Centrifugal External-rotor		
	Drive of Fan	Type	Direct Drive			Direct Drive		
	Air Filter	Type	Plate Filter (G4)			Plate Filter (G4)		
Heater		Type	Electric Heating			Electric Heating		
Humidifying System	Humidifier	Type	Electrode Type			Electrode Type		
	Mode of Control		Automatic Control by Mainboard			Automatic Control by Mainboard		
Dimension	Width	mm	800	800	800	800	800	800
	Depth	mm	690	690	690	690	690	690
	Height	mm	2250	1950	1950	2250	1950	1950
Net Weight		kg	200	175	175	235	215	215
Recommended Power Cord		mm^2×(unit)	10.0×3	10.0×3	10.0×3	10.0×3	10.0×3	10.0×3
Outdoor Unit								
The Model of Outdoor Units*5			JKFD5-E(O) / JKFD5/Na-E(O)			JKFD7-E(O) / JKFD7/Na-E(O)		
Quantity		Set	1	1	1	1	1	1
Condensate Fan	Fan	Type	Low Noise Axial Type			Low Noise Axial Type		
	Drive of Fan	Type	Direct Drive			Direct Drive		
Acoustic Noise of Outdoor Units		dB(A)	66	66	66	66	66	66
Dimension	Width	mm	890	890	890	890	890	890
	Depth	mm	980	980	980	980	980	980
	Height	mm	1000	1000	1000	1000	1000	1000
Net Weight		kg	60	60	60	60	60	60
Connecting Pipe	Liquid	mm×(unit)	Φ9.52×1	Φ9.52×1	Φ9.52×1	Φ9.52×1	Φ9.52×1	Φ9.52×1
	Gas	mm×(unit)	Φ12×1	Φ12×1	Φ12×1	Φ12×1	Φ12×1	Φ12×1
	Method of Connection		Flared-fitting Joint			Flared-fitting Joint		
Recommended Power Cord		mm^2×(unit)	0.75×3	0.75×3	0.75×3	0.75×3	0.75×3	0.75×3

Model		R22	JKFD7C-M	JKFD7QS-M	JKFD7SX-M	JKFD13C-M	JKFD13QS-M	JKFD13SX-M
		R410A	JKFD7C/Na-M	JKFD7QS/Na-M	JKFD7SX/Na-M	JKFD13C/Na-M	JKFD13QS/Na-M	JKFD13SX/Na-M
Air supply and return arrangement			Frontal discharge,frontal return	Up discharge,frontal return	Down blow,return from top	Frontal discharge,frontal return	Up discharge,frontal return	Down blow, return from top
Cooling Capacity	Total / Sensible*1	kW	6.5/5.9	6.5/5.9	6.5/5.9	13.8/12.5	13.8/12.5	13.8/12.5
	Total / Sensible*2	kW	7.1/6.3	7.1/6.3	7.1/6.3	13.9/12.4	13.9/12.4	13.9/12.4
	Total / Sensible*3	kW	7.0/6.4	7.0/6.4	7.0/6.4	14.0/13.3	14.0/13.3	14.0/13.3
	Total / Sensible*4	kW	7.4/6.6	7.4/6.6	7.4/6.6	15.6/14.0	15.6/14.0	15.6/14.0
Heating Capacity		kW	3	3	3	6	6	6
Rated Humidifying Capacity		kg/h	2	2	2	4	4	4
Air Flow Volume		m^3/h	2000	2200	2200	4900	4800	4500
External Static Pressure		Pa	0	0	0	0	50	50
Acoustic Noise of Indoor Units		dB(A)	61	62	62	62	64	64
Range of Temp. Controlling and Precision			17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃
Range of Humidity and Precision			40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%
Power Supply			380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Cooling System	Compressor	Type	Hermetic Scroll Type			Hermetic Scroll Type		
	Evaporator	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin			Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Condenser	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin			Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Throttling Method		Electric Expansion Valve			Electric Expansion Valve		
Indoor Unit								
Air Supply System	Fan	Type	Low Noise and Centrifugal External-rotor			Low Noise and Centrifugal External-rotor		
	Drive of Fan	Type	Direct Drive			Direct Drive		
	Air Filter	Type	Plate Filter (G4)			Plate Filter (G4)		
Heater		Type	Electric Heating			Electric Heating		
Humidifying System	Humidifier	Type	Electrode Type			Electrode Type		
	Mode of Control		Automatic Control by Mainboard			Automatic Control by Mainboard		
Dimension	Width	mm	800	800	800	1100	1100	1100
	Depth	mm	690	690	690	810	810	810
	Height	mm	2250	1950	1950	2250	1950	1950
Net Weight		kg	235	215	215	355	325	325
Recommended Power Cord		mm^2×(unit)	4.0×5	4.0×5	4.0×5	4.0×5	4.0×5	4.0×5
Outdoor Unit								
The Model of Outdoor Units*5			JKFD7-E(O) / JKFD7/Na-E(O)			JKFD13-M(O) / JKFD13/Na-M(O)		
Quantity		Set	1	1	1	1	1	1
Condensate Fan	Fan	Type	Low Noise Axial Type			Low Noise Axial Type		
	Drive of Fan	Type	Direct Drive			Direct Drive		
Acoustic Noise of Outdoor Units		dB(A)	66	66	66	67	67	67
Dimension	Width	mm	890	890	890	1080	1080	1080
	Depth	mm	980	980	980	1180	1180	1180
	Height	mm	1000	1000	1000	960	960	960
Net Weight		kg	60	60	60	100	100	100
Connecting Pipe	Liquid	mm×(unit)	Φ9.52×1	Φ9.52×1	Φ9.52×1	Φ12×1	Φ12×1	Φ12×1
	Gas	mm×(unit)	Φ12×1	Φ12×1	Φ12×1	Φ16×1	Φ16×1	Φ16×1
	Method of Connection		Flared-fitting Joint			Flared-fitting Joint		
Recommended Power Cord		mm×(unit)	0.75×3	0.75×3	0.75×3	1.0×3	1.0×3	1.0×3

Model		R22	JKFD19C-M	JKFD19QS-M	JKFD19SX-M	JKFD25C2-M	JKFD25QS2-M	JKFD25SX2-M
		R410A	JKFD19C/Na-M	JKFD19QS/Na-M	JKFD19SX/Na-M	JKFD25C2/Na-M	JKFD25QS2/Na-M	JKFD25SX2/Na-M
Air supply and return arrangement			Frontal discharge,frontal return	Up discharge,frontal return	Down blow,return from top	Frontal discharge,frontal return	Frontal discharge,frontal return	Down blow,return from top
Cooling Capacity	Total / Sensible*1	kW	18.3/17.3	18.3/17.3	18.3/17.3	25.4/22.8	25.4/22.8	25.4/22.8
	Total / Sensible*2	kW	19.3/17.7	19.3/17.7	19.3/17.7	25.9/22.7	25.9/22.7	25.9/22.7
	Total / Sensible*3	kW	19.2/18.9	19.2/18.9	19.2/18.9	26.4/24.4	26.4/24.4	26.4/24.4
	Total / Sensible*4	kW	20.6/19.2	20.6/19.2	20.6/19.2	27.6/24.3	27.6/24.3	27.6/24.3
Heating Capacity		kW	9	9	9	12	12	12
Rated Humidifying Capacity		kg/h	4	4	4	8	8	8
Air Flow Volume		m³/h	7200	7000	7000	7800	7500	7500
External Static Pressure		Pa	0	75	75	0	75	75
Acoustic Noise of Indoor Units		dB(A)	65	67	67	66	68	68
Range of Temp. Controlling and Precision			17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃	17~28℃±1℃
Range of Humidity and Precision			40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%	40~60%±5%
Power Supply			380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Cooling System	Compressor	Type	Hermetic Scroll Type			Hermetic Scroll Type		
	Evaporator	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin			Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Condenser	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin			Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Throttling Method		Electric Expansion Valve			Electric Expansion Valve		
Indoor Unit								
Air Supply System	Fan	Type	Low Noise and Centrifugal External-rotor			Low Noise and Centrifugal External-rotor		
	Drive of Fan	Type	Direct Drive			Direct Drive		
	Air Filter	Type	Plate Filter (G4)			Plate Filter (G4)		
Heater		Type	Electric Heating			Electric Heating		
Humidifying System	Humidifier	Type	Electrode Type			Electrode Type		
	Mode of Control		Automatic Control by Mainboard			Automatic Control by Mainboard		
Dimension	Width	mm	1380	1380	1380	1900	1900	1900
	Depth	mm	810	810	810	810	810	810
	Height	mm	2250	1950	1950	2250	1950	1950
Net Weight		kg	435	395	395	475	460	535
Recommended Power Cord		mm²×(unit)	6.0×5	6.0×5	6.0×5	10.0×5	10.0×5	10.0×5
Outdoor Unit								
The Model of Outdoor Units*5			JKFD19/A-M(O) / JKFD19/NaA-M(O)			JKFD13/A-M(O) / JKFD13/NaA-M(O)		
Quantity		Set	1	1	1	2	2	2
Condensate Fan	Fan	Type	Low Noise Axial Type			Low Noise Axial Type		
	Drive of Fan	Type	Direct Drive			Direct Drive		
Acoustic Noise of Outdoor Units		dB(A)	68	68	68	67	67	67
Dimension	Width	mm	1080	1080	1080	1080	1080	1080
	Depth	mm	1180	1180	1180	1180	1180	1180
	Height	mm	1040	1040	1040	960	960	960
Net Weight		kg	100	100	100	100	100	100
Connecting Pipe	Liquid	mm×(unit)	Φ16×1	Φ16×1	Φ16×1	Φ12×2	Φ12×2	Φ12×2
	Gas	mm×(unit)	Φ19×1	Φ19×1	Φ19×1	Φ16×2	Φ16×2	Φ16×2
	Method of Connection		Flared-fitting Joint			Flared-fitting Joint		
Recommended Power Cord		mm²×(unit)	1.0×3	1.0×3	1.0×3	1.0×3	1.0×3	1.0×3

Model		R22	JKFD40C2-M	JKFD40QS2-M	JKFD40SX2-M
		R410A	JKFD40C2/Na-M	JKFD40QS2/Na-M	JKFD40SX2/Na-M
Air supply and return arrangement			Frontal discharge,frontal return	Up discharge,frontal return	Down blow,return from top
Cooling Capacity	Total/Sensible*1	kW	39.4/36.0	39.4/36.0	39.4/36.0
	Total/Sensible*2	kW	40.3/35.4	40.3/35.4	40.3/35.4
	Total/Sensible*3	kW	39.2/37.5	39.2/37.5	39.2/37.5
	Total/Sensible*4	kW	42.5/38.0	42.5/38.0	42.5/38.0
Heating Capacity		kW	18	18	18
Rated Humidifying Capacity		kg/h	8	8	8
Air Flow Volume		m³/h	13000	12500	12500
External Static Pressure		Pa	0	100	100
Acoustic Noise of Indoor Units		dB(A)	68	70	70
Range of Temp. Controlling and Precision			17~28℃±1℃	17~28℃±1℃	17~28℃±1℃
Range of Humidity and Precision			40~60%±5%	40~60%±5%	40~60%±5%
Power Supply			380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Cooling System	Compressor	Type	Hermetic Scroll Type		
	Evaporator	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Condenser	Type	Inner Screw Thread Pipe with Hyrophilic Film Aluminum Fin		
	Throttling Method		Electric Expansion Valve		
Indoor Unit					
Air Supply System	Fan	Type	Low Noise and Centrifugal External-rotor		
	Drive of Fan	Type	Direct Drive		
	Air Filter	Type	Plate Filter (G4)		
Heater		Type	Electric Heating		
Humidifying System	Humidifier	Type	Electrode Type		
	Mode of Control		Automatic Control by Mainboard		
Dimension	Width	mm	2480	2480	2480
	Depth	mm	810	810	810
	Height	mm	2250	1950	1950
Net Weight		kg	725	660	660
Recommended Power Cord		mm²×(unit)	16.0×5	16.0×5	16.0×5
Outdoor Unit					
The Model of Outdoor Units*5			JKFD19/B-M(O) / JKFD19/NaB-M(O)	JKFD19-M(O) / JKFD19/Na-M(O)	JKFD19/B-M(O) /JKFD19/NaB-M(O)
Quantity		Set	2		
Condensate Fan	Fan	Type	Low Noise Axial Type		
	Drive of Fan	Type	Direct Drive		
Acoustic Noise of Outdoor Units		dB(A)	68	68	68
Dimension	Width	mm	1080	1080	1080
	Depth	mm	1180	1180	1180
	Height	mm	1040	1040	1040
Net Weight		kg	100	100	100
Connecting Pipe	Liquid	mm×(unit)	Φ16×1	Φ16×1	Φ16×1
	Gas	mm×(unit)	Φ19×1	Φ19×1	Φ19×1
	Method of Connection		Flared-fitting Joint		
Recommended Power Cord		mm²×(unit)	1.0×3	1.0×3	1.0×3

Notes:

1. *1 dry bull temperature / relative humidity : 22℃ / 50%;
   *2 dry bull temperature / relative humidity : 23℃ / 55%;
   *3 dry bull temperature / relative humidity : 24℃ / 45%;
   *4 dry bull temperature / relative humidity : 26℃ / 50%;
   *5 Different refrigerantor:R22/R410A.
2. This unit was designed, manufactured and tested according to National Standard GB/T 19413-2004, which is published by China government.
3. The cooling capacity was tested when the outdoor temperature was as follows: Dry-bulb temperature was 35°C; Wet-bulb temperature was 24°C.
4. The noise value was tested in the semi-anechoic chamber but the actual value will be a little higher for the change of ambient temperature.
5. Refer to nameplate on the unit for parameters of the unit. And the unit is subject to change without further notice.
6. The temperature range of running environment is between -35°C~48°C.
7. If there is any special requirement, please contact us.