

Split P/Conducto Comercial

Split P/Conducto
76kBtu--192kBtu

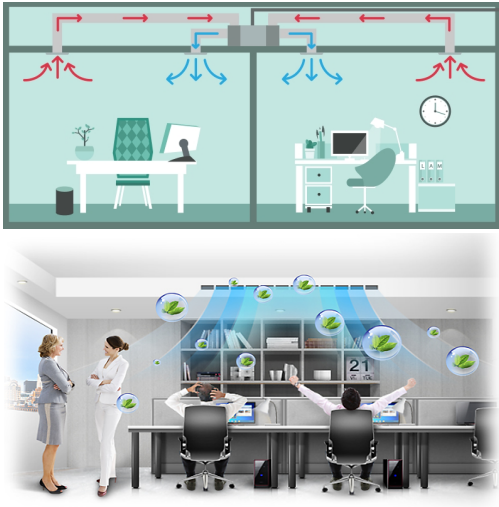
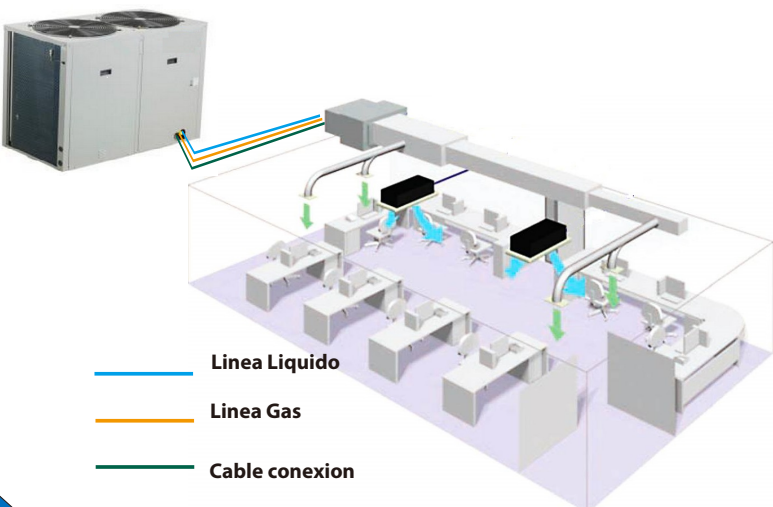


Introduccion

Large split type air conditioners are designed and manufactured to meet the requirements of the home, office, hotel and others public occasion use. The units are completely assembled, internally wired, charged outdoor unit with refrigerant at the factory.

The outstanding feature is the wide cooling capacity range, from 76KBtu/h to 192KBtu/h. According to different applications ,the indoor units can be divided into Medium static pressure type, high static pressure type and floor standing type. And the model could be moduled in order to reach higher capacity.

If air duct is used for air supply, high air quality can be achieved,and fresh air can be introduced, introducing a better indoor air quality. HEPA sterilization device and dust filter are optional by user and can effectively prevent possible air pollution and disease.



Lina de Productos

Applicacion	Alimentacion Electrica	Series	Tipo	Capacidad Nominal			
				76/96 kBtu/h	120kBtu/h	150kBtu	192kBtu
R410A T1/T3	220-240V 1Ph-50Hz/60Hz	Unidad Interior (P/Conducto)		o	o	o	
				o	o		o
	220V 3Ph-50Hz/60Hz	Unidad Exterior		o	o		
					o		
						o	o
							o

Características

Amplio rango de capacidades >>>

Equipos desde 76,000Btu/h a 192,000Btu/h Frio calor por bomba.

Gran distancia entre unidades >>>

Largo de cañería maximo entre unidades de 50mtrs.

Split P/Conducto Comercial

Anti-corrosion treatment as optional >>

The large split air conditioners with special anti-corrosion treatment are suitable for seaside areas or the areas exposed to acidic substances.



Special anti-corrosion treatment of heat exchanger provides 5 to 6 times greater resistance against acid rain and salt corrosion.

All PCB parts in the unit are coated with double-side moisture proof paint. The outer side of electric box metal cover is spray-painted.

All screws are anti-rust.

Casings of the unit and motors are anti-rust.

Reliable scroll compressor >>

Famous brand compressor: Hitachi, Danfoss, etc. More reliable.

No complex internal suction and discharge valves for quieter operation and higher reliability.

Compact, light-weight design, and fewer moving parts design.



Multi-protection design >>

Multi-measurement to ensure units operate normally and reliably:

System current protection, High/low pressure switch protection, Temperature sensor on/off protection, etc. Three-phase protector is optional.



HP/LP switch



Temperature sensor

Easy for installation >>

Units are completely assembled, internally wired, charged outdoor unit with refrigerant at the factory.

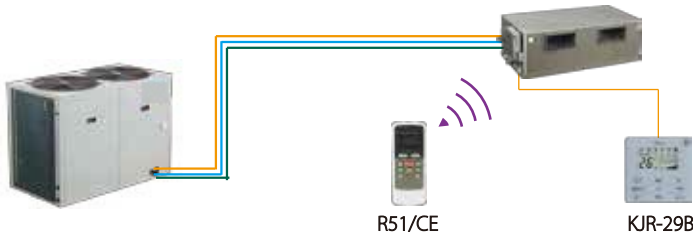
The site work only needs to connect refrigerant pipes and communication wires between outdoor unit and indoor unit.

Flexible choice of accessories

Controllers >>

Wireless remote controller is available

Wired controller can be directly connected with duct & floor-standing indoor units.



Outdoor Units



UCV4-76HT
UCV4-96HT

Outdoor unit model			UCV4-76HT	UCV4-96HT
Outdoor unit power supply			380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz
Max. power input		kW	11.7 (Outdoor unit)	14.4 (ODU)
Max. current		A	19.3 (Outdoor unit)	23.7 (ODU)
Air flow rate		m³/h	12,500	12,500
Noise level		dB(A)	68	68
Compressor (Type / Quantity)			Scroll / 1	Scroll / 1
Refrigerant (Type / Quantity)			R410A / 5.4kg	R410A / 6.0kg
Fan type / Drive type			Axial / Direct	Axial / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant piping size			mm	mm
Ambient temperature	Cooling	°C	17~46	17~52(Liquid), 17~52(Gas)
	Heating	°C	-7~24	17~52(Cooling) / -7~24(Heating)
Dimension	Body (WxHxD)	mm	1,260x908x700	1,312x919x658
	Packing (WxHxD)	mm	1,320x1,060x730	1,320x1,060x730
Net / Gross weight		kg	174 / 193	177 / 192



Outdoor unit model			UCV4-120HT	UCV4-150HT	UCV4-192HT
Outdoor unit power supply			380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz
Max. power input		kW	17.3 (Outdoor unit)	26.9 (Outdoor unit)	32.2 (Outdoor unit)
Max. current		A	28.6 (Outdoor unit)	47.9 (Outdoor unit)	53.8 (Outdoor unit)
Air flow rate		m³/h	13,000	16,000	16,000
Noise level		dB(A)	69	70	73
Compressor (Type / Quantity)			Scroll / 1	Scroll / 3	Scroll / 3
Refrigerant (Type / Quantity)			R410A / 7.5kg	R410A / 10.0kg	R410A / 11.8kg
Fan type / Drive type			Axial / Direct	Axial / Direct	Axial / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant piping size			mm	mm	mm
Ambient temperature	Cooling	°C	17~46	17~46	17~46
	Heating	°C	-7~24	-7~24	-7~24
Dimension	Body (WxHxD)	mm	1,260x908x700	1,250x1,615x765	1,390x1,615x765
	Packing (WxHxD)	mm	1,320x1,060x730	1,305x1,790x820	1,455x1,790x830
Net / Gross weight		kg	201 / 217	288 / 308	320 / 336

Split P/Conducto Comercial

Indoor Units Ducted Type



Medium: 76KBtu



Medium or High: 76/ 96 / 120KBtu



High ESP: 120/ 150 / 192KBtu

Convenient installation >>

Compact design. Concealed installation without floor space requirement.

Hidden in the ceiling, unit installation is not hindered by the location of lighting fixtures or room structure. Air inlet & outlet flange are standard for easy duct connection.

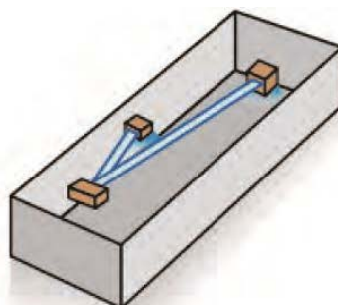
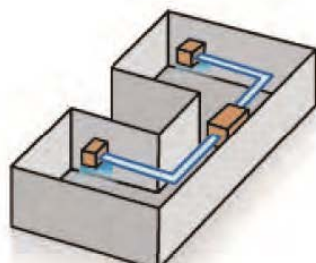
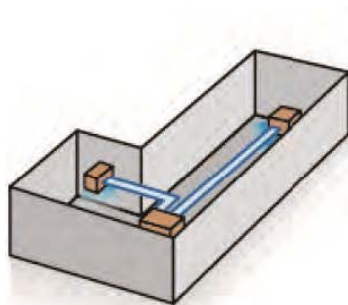
Easy maintenance through the inspection port.

Free air duct design >>

Multi diffusers from one indoor unit, air-conditioned multi rooms at the same time.

Three speeds of air supply can be chosen via controller.

The indoor unit is suitable for various applications where there are many rooms or halls, such as restaurant, concert halls and hotels. Flexible duct design for different room styles.



Auto Restart
Function



Auto
Defrosting



Independent
Dehumidification



Timer



PTC Heater



Anti-Cold
Air Function



Wired
Controller

Parameter

Medium Static Duct

Indoor unit model			BSAH4-76H	BSAH4-96H	BSAH4-120H
Outdoor unit model / Quantity			UCV4-76HT	UCV4-96HT	UCV4-120HT
Indoor unit power supply			220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
Cooling	Capacity (T1)	Btu/h	75,100	96,000	119,400
		kW	22.0 / 18.8	28.1 / 25.75	35.0 / 30.0
	Input (T1/T3)	kW	7.5 / 8.85	9.6 / 15.00	12.0 / 13.25
	EER (T1)	W/W	2.93	2.93	2.92
Heating	Capacity	Btu/h	85,000	106,000	130,000
		kW	25.0	31.1	38.0
	Input	kW	8.3	10.3	12.6
	COP	W/W	3.01	3.02	3.02
Max. power input		W	11,700 (Whole units)	1,400 (IDU)	17,300 (Whole units)
Max. current		A	19.3 (Whole units)	5.8 (IDU)	28.6 (Whole units)
Air flow (Hi)		m³/h	4,250 (2,500CFM)	5,100 (3,000CFM)	6,375 (3,750CFM)
Standard external static pressure		Pa	100	100	150
Noise level (Hi)		dB(A)	58	56	63
Fan type / Drive type			Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Controller			Wireless controller	Wired controller	Wireless controller
Dimension	Net (WxHxD)	mm	1,443×450×846	1452×462×797	1,988×669×906
	Packing (WxHxD)	mm	1,549×476×917	1,555×500×875	2,095×800×964
Net / Gross weight		kg	105 / 120	97 / 109	188 / 220

High Static Duct

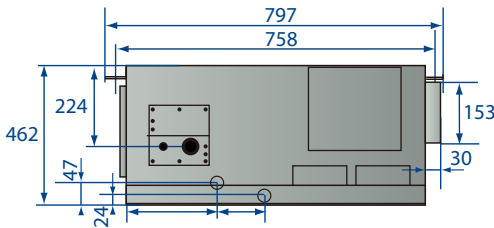
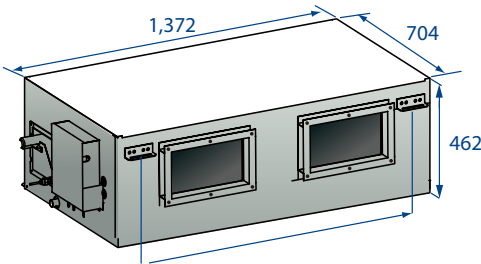
Indoor unit model			BSAH4-120H	BSAH4-150H	BSAH4-192H
Outdoor unit model / Quantity			UCV4-120HT	UCV4-150HT	UCV4-192HT
Indoor unit power supply			220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
Cooling	Capacity	Btu/h	119,400	150,100	192,000
		kW	35.0 / 30.0	44.0	56.3
	Input	kW	12.0 / 13.25	16.3	22.0
	EER	W/W	2.92	2.70	2.56
Heating	Capacity	Btu/h	130,000	160,300	200,000
		kW	38.0	47.0	58.6
	Input	kW	12.6	15.7	19.3
	COP	W/W	3.02	2.99	3.04
Max. power input		W	17.3 (Whole units)	2,730	4,690
Max. current		A	28.6 (Whole units)	12.1	20.9
Air flow (Hi)		m³/h	6,375 (3,750CFM)	8,500 (5,000CFM)	10,800 (6,350CFM)
Standard external static pressure		Pa	150	196	196
Noise level (Hi)		dB(A)	63	63	65
Fan	Type	Centrifugal / Direct		Centrifugal	Centrifugal
	Drive type			Direct	Direct
Coil			Wireless controller	Copper tube and aluminum fin	Copper tube and aluminum fin
Controller			1,988×669×906	Wired controller	Wired controller
Dimension	Net (W×H×D)	mm	2,095×800×964	1,988×669×906	1,988×669×906
	Packing (W×H×D)	mm	188 / 220	2,095×800×964	2,095×800×964
Net / Gross weight		kg		208 / 220	215 / 230

Parameter

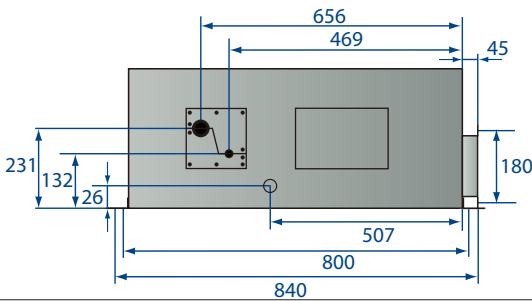
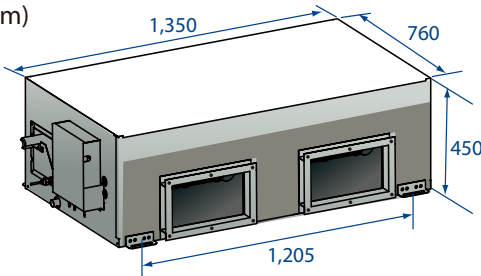
Indoor unit model			BSAH4-76H	BSAH4-96H	BSAH4-120H
Outdoor unit model / Quantity			UCV4-76HT	UCV4-96HT	UCV4-120HT
Indoor unit power supply			220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
Cooling	Capacity (T1)	Btu/h	75,100	96,000	121,000
		kW	22.0 / 19.0	28.1 / 25.75	35.0 / 32.5
	Input (T1/T3)	kW	7.5 / 8.98	9.6 / 15.00	13.0 / 15.50
	EER (T1)	W/W	2.93	2.93	2.69
Heating	Capacity	Btu/h	85,000	106,000	-
		kW	25.0	31.1	-
	Input	kW	8.3	10.3	-
	COP	W/W	3.01	3.02	-
Max. power input		kW	11.7 (Whole units)	0.7 (IDU)	17.3 (Whole units)
Max. current		A	19.3 (Whole units)	3.0 (IDU)	28.6 (Whole units)
Air flow (Hi)		m³/h	4,250 (2,500CFM)	4,800 (2,825CFM)	6,060 (3,560CFM)
Noise level		dB(A)	58	56	65
Fan type / Drive type			Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Controller			Remote controller	Remote controller	Remote controller
Dimension	Net (WxHxD)	mm	1,200x1,860x518	1,200x1,860x518	1,200x1,860x518
	Packing (WxHxD)	mm	1,362x2,050x582	1,362x2,050x582	1,362x2,050x582
Net / Gross weight		kg	158 / 174	140 / 154	148 / 174

Dimensions

T1 Application
Medium Static Duct
Duct indoor unit: 76000BTU / 12000BTU (Units: mm)



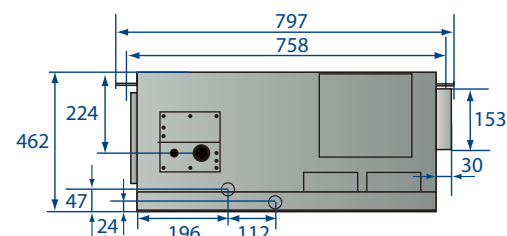
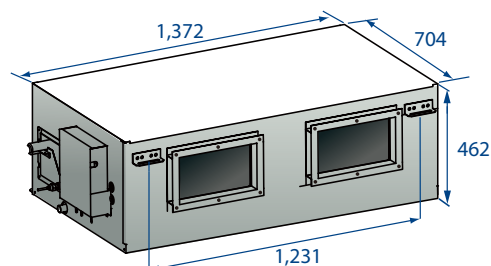
Tropical (T3) application
Medium Static Duct indoor unit: 76000BTU
(Units: mm)



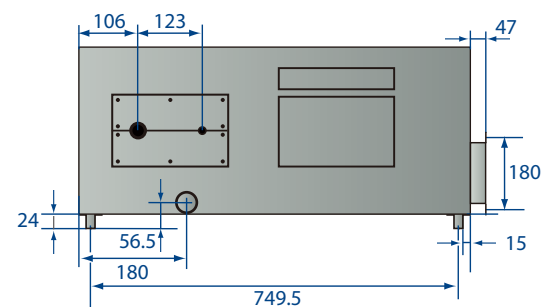
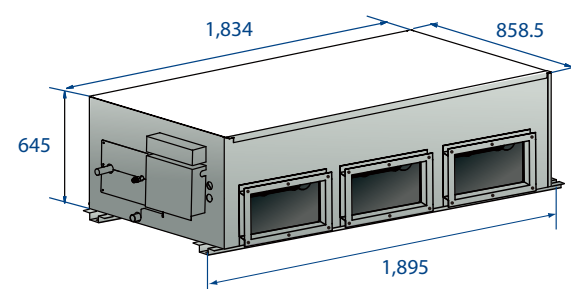
Split P/Conducto Comercial

Dimensions

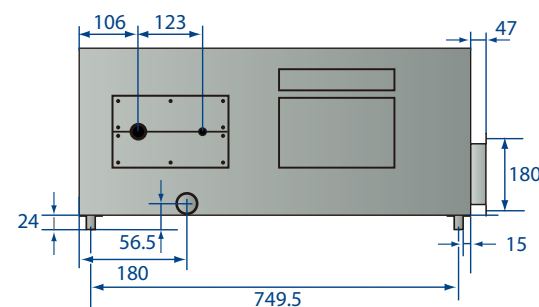
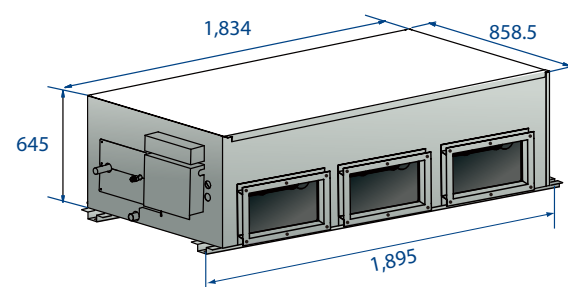
Tropical (T3) application
Medium Static Duct indoor unit: 96000BTU



Tropical (T3) application
High Static Duct indoor unit: 120000BTU



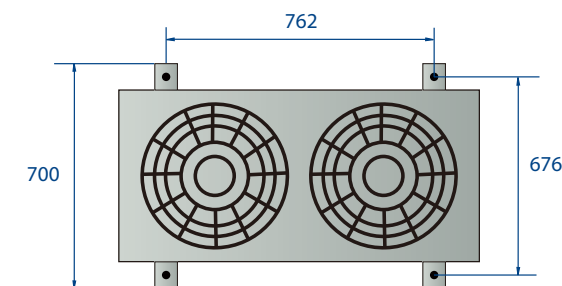
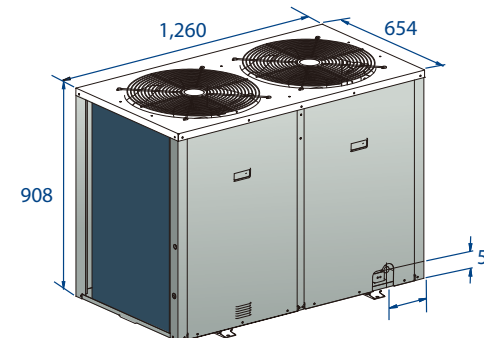
T1 application
High Static Duct indoor unit: 15000BTU / 192000BTU



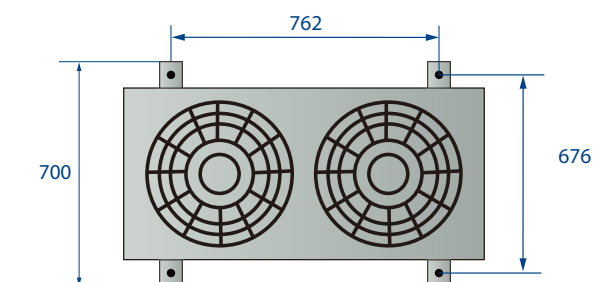
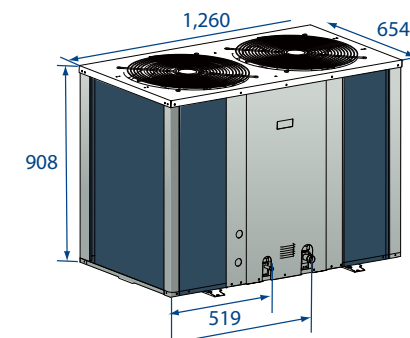
T1 application
Outdoor unit: MOV-192HN1-R
(Units: mm)

Dimensions

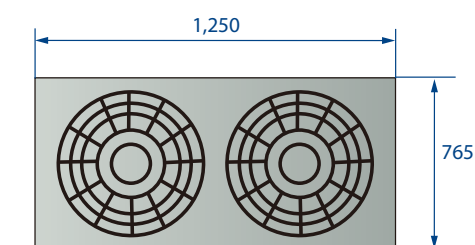
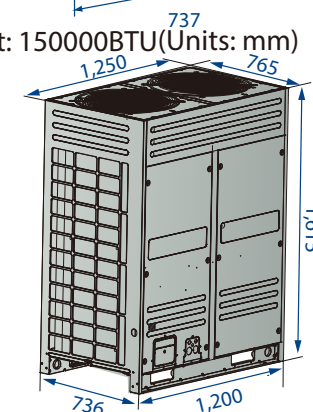
Outdoor unit: 76000 / 96000 BTU (Units: mm)



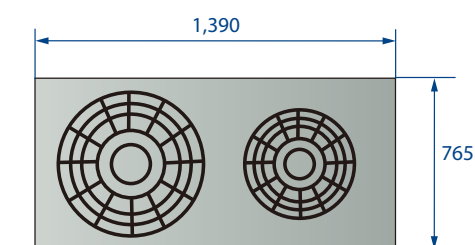
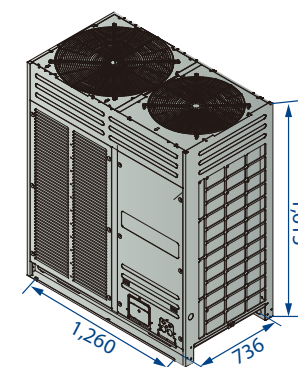
Outdoor unit: 120000BTU(Units: mm)



Outdoor unit: 150000BTU(Units: mm)



Outdoor unit: 192000BTU(Units: mm)



Large Split CAC

Controllers

Remote Controller - R51



Parameter >>

Model: R51/CE (Cooling only type)
R51/E (Heat pump type)
Dimension (mm): 140x60x15
Power: 1.5V (LR03/AAA)x2

Standard features >>

It provides a convenient way for users to control the air conditioners everywhere within a range up to 11m.
Built-in daily timer offers the convenience of automatically starting and turning down the air conditioners according to the set time.

Wired Controller - KJR-29B



Parameter >>

Model: KJR-29B (Touch-style key)
Dimension (mm): 120x120x20
Power: From the display panel, extra power is unnecessary.

Standard features >>

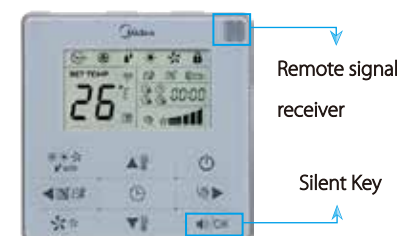
Keyboard locking function as standard, it can be used to prevent other people from using the controller.
Built-in daily timer offers the convenience of automatically starting and turning down the air conditioners according to the set time.

Remote signal receiving function >>

KJR-29B provides a signal receiver to receive the signal from remote controller.
The received signal can be directly sent to the indoor unit by wired controller. It is convenient to control the air conditioner.

Silent mode

During the operating, when operate the silent mode, the units can reduce the running noise through setting the fan speed to low automatically. It will help you bring a quieter environment.



Centralized Controller - CCM30



CCM30



MD-NIM01

Parameter >>

Model: CCM30 + MD-NIM01
Dimension (mm): 180x122x78 (CCM30BKE-B)
180x122x68 (CCM30BKE-A)
81.8x46.8x15.5 (MD-NIM01)
Power: 198~242V, 50/60Hz (MD-CCM30)
DC+5V (MD-NIM01)

Centralized control >>

MD-CCM30, centralized controller, is a multifunctional device that can control up to 64 indoor units within a maximum connection length of 1200m.
User can group control or individual control and the set temperature of each units can also different.
The indoor units working status and error codes can be displayed in the screen of CCM30. Via checking the error codes table in the user manual, user can easily find out the malfunction and call the service engineer.

Three lock modes >>

Centralized controller provides a superior way to manage the indoor units. Users can be able to make their own choice from three locking mode: locking the wireless controller, locking the running mode or locking centralized controller keyboard as they wish.

Access to network monitoring >>

❖ MD-CCM30 is able to bridge up to 64 indoor units to network monitoring system and building management system.

