

1.Round-Way Cassette Type (Standard)

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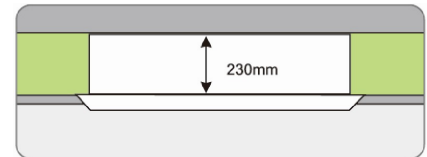
1.Features

1. Brand-new panel design. Indoor unit use uniform panel, simple and convenient.

Simple, fealty and vogueish appearance suit for different requirements, it's mostly used for office, shopping center, restaurant, meeting room and etc.



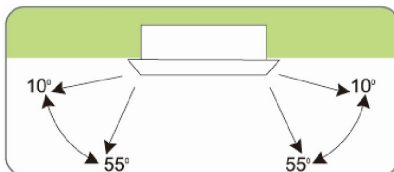
2. Ultra-thin body design, the min. height is only 230mm, save installation space.



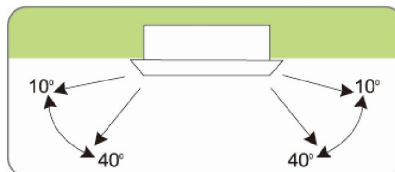
3. Round way air flow, cool air can reach each corner of the room, providing comfortable environment.

4. Intelligent auto-swing function, three modes for choice.

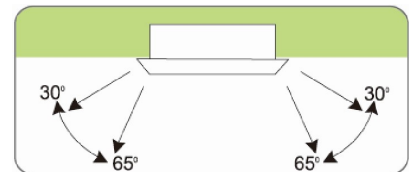
Standard mode



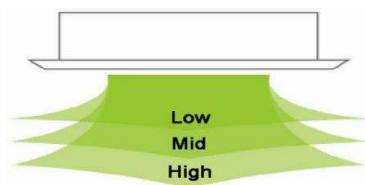
Anti-point blow mode



Ceiling against mode



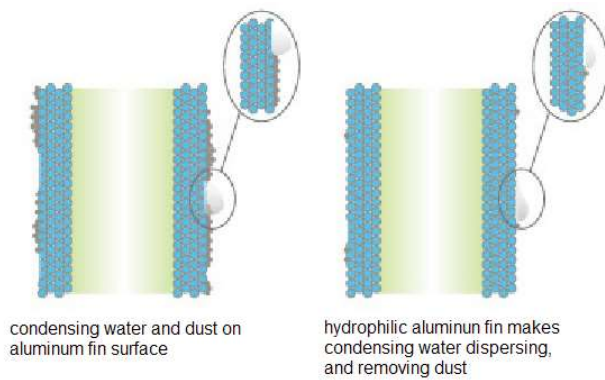
5. 3-speed fan motor, meet for different requirements.



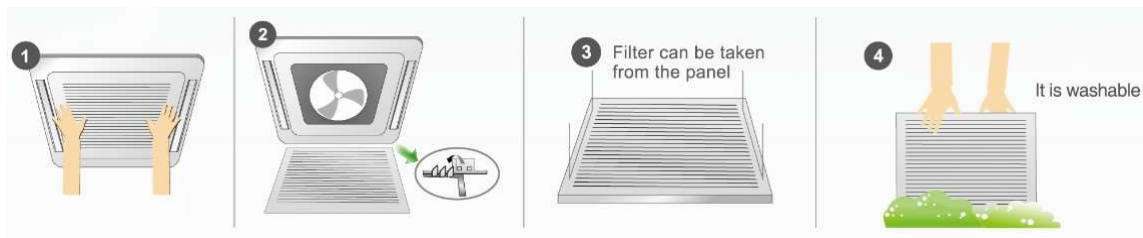
(6) New streamlined fan design.



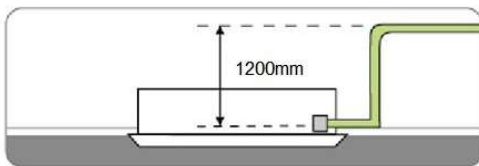
6. Energy saving and healthy, adopting hydrophilic aluminum fins increasing heat-exchange efficiency.



7. Easy and convenient installation and maintenance, washable filter design.



8. Built-in water pump, water head up to 1200mm (Compact type, 700mm).



9. Fire resistance design, the E-box with galvanized steel built-in body easy for maintenance.



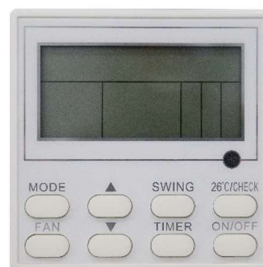
10. Add 4 interfaces in body, can be connected with duct to another room. Fresh air makes air quality more healthy and comfortable.

11. Multi protection and auto-restart function.

12. Standard for wireless controller; option for wired controller.



Standard



optional

2. Specifications

Model			MQC104024CC K216B	MQC104036CC K216B	MQC104048CC K216B	MQC104060CC K216B
Code			821028300040	821028900052	821029700042	821030100026
Indoor power supply		V/Ph/Hz	208~230/1/60	208~230/1/60	208~230/1/60	208~230/1/60
Cooling	Capacity	Btu/h	24000	36000	48000	60000
		W	7032	10548	14064	17580
	Input	W	2420	3840	5566	6290
	Rated current	A	11.1	17.5	25.84	29.23
	Input(Indoor unit)	W	150	150	180	180
	Rated current(Indoor unit)	A	0.7	0.7	0.8	0.8
	EER	W/W	2.91	2.75	2.53	2.79
Indoor fan motor	Brand		Kaibang	Kaibang	Kaibang	Kaibang
	Model		YDK-45Q-8P2	YDK-45Q-8P2	YDK-80Q-8P2	YDK-80Q-8P2
	Input	W	102	102	160	160
	Capacitor	μF	2.5	2.5	4	4
	Speed(Hi/Me/Lo)	r/min	850/730/580	850/730/580	800/750/650	800/750/650
Indoor coil	Number of rows		2	2	2	2
	Tube pitch(a)xrow pitch(b)	mm	21×13.37	21×13.37	21×13.37	21×13.37
	Fin spacing	mm	1.45	1.45	1.45	1.45
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	Φ7	Φ7	Φ7	Φ7
			inner grooved	inner grooved	inner grooved	inner grooved
	Number of circuits		8	8	12	12
Indoor air flow(High speed)		m³/h	1200	1200	1900	1900
Indoor noise level		dB(A)	45~52	45~52	51~57	51~57
Indoor unit	Dimension(W*D*H)	Body (mm)	840×840×230	840×840×230	840×840×285	840×840×285
		Panel (mm)	950×950×50	950×950×50	950×950×50	950×950×50
	Packing(W*D*H)	Body (mm)	920×920×310	920×920×310	920×920×375	920×920×375
		Panel (mm)	1030×1030×105	1030×1030×105	1030×1030×105	1030×1030×105
	Net/Gross weight		Body /Kg	28/32	28/32	31/35

		Panel /Kg	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0
Max pressure		MPa	4.0	4.0	4.5	4.5
Refrigerant type			R410A	R410A	R410A	R410A
Refrigerant piping	Liquid side/Gas side	mm	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	25	25	25	25
Standard controller						
Operation temp		°C	16~32	16~32	16~32	16~32
Ambient temp		°C	18~43	18~43	18~43	18~43
Application area		m ²	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	75/155/170	65/130/150	65/130/150	65/130/150

Notes: 1. Nominal cooling capacities are based on the following conditions:

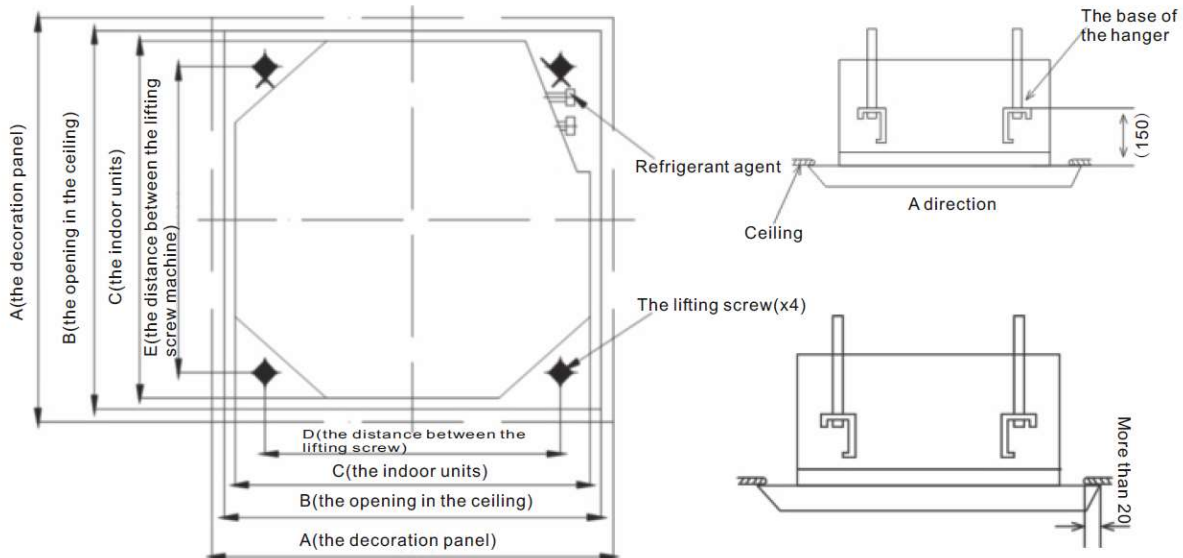
Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions:

Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

3.Dimensions



Installation dimension unit: mm

Model (kBtu/h)	Dimensions(H)
For 18, 24 series	230
For 36, 48, 60 series	285

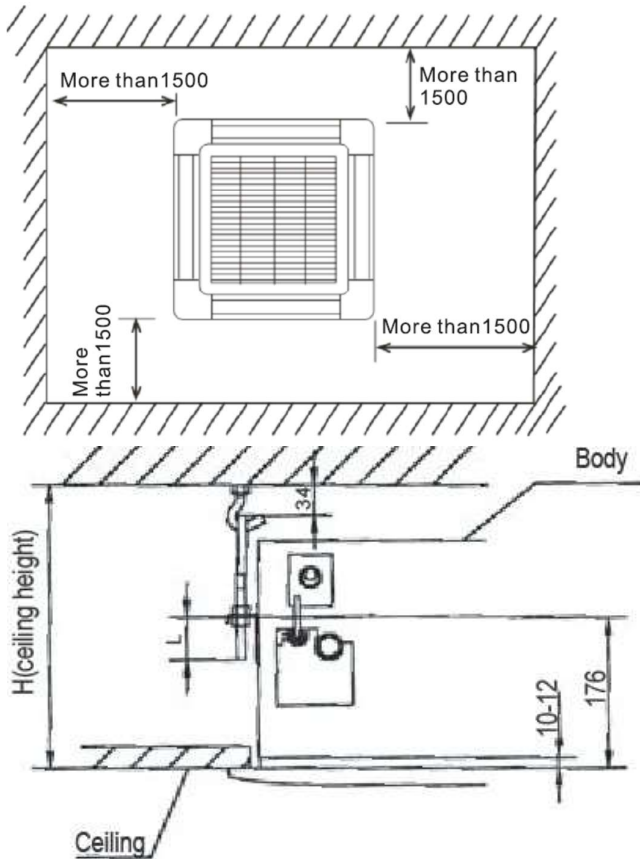
unit: mm

Model (kBtu/h)	Dimensions(H)				
	A	B	C	D	E
For 18, 24, 36, 48, 60 series	950	890*	840	680	780

4. Service Space

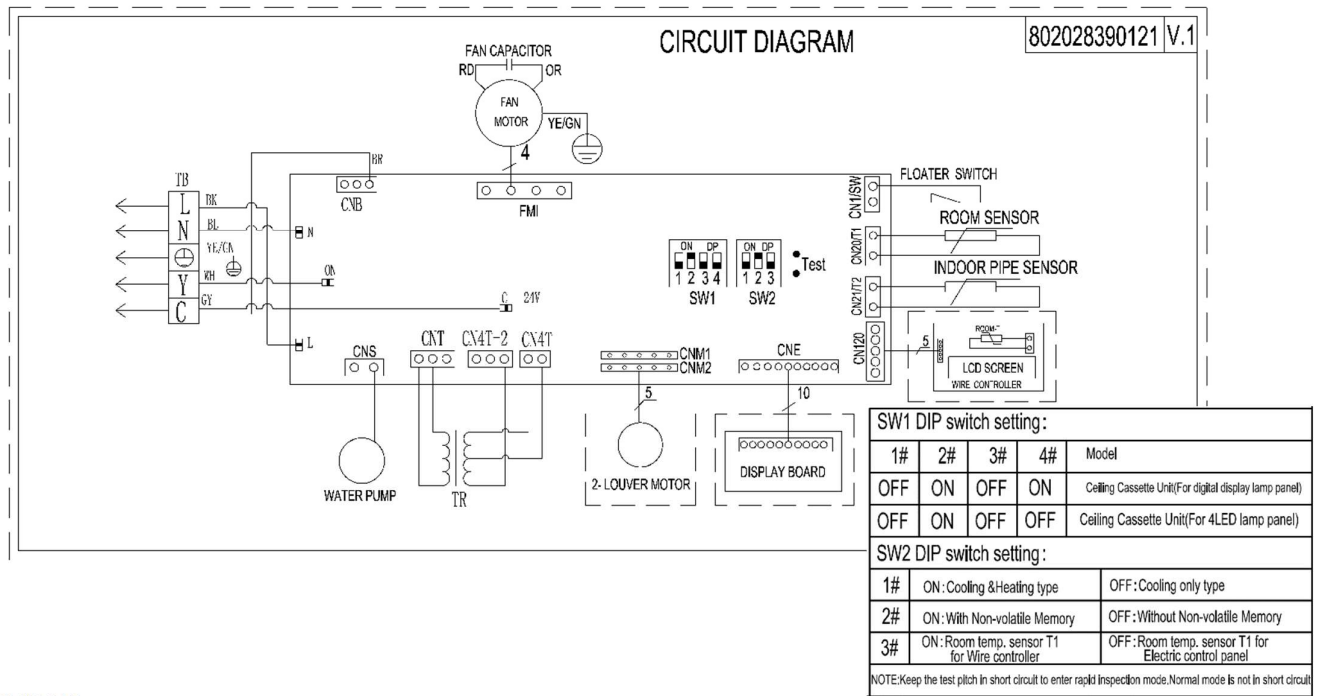
The indoor unit should be installed in a location that meets the following requirements:

- There is enough room for installation and maintenance.
- The ceiling is horizontal, and its structure can endure the weight of the indoor unit.
- The outlet and the inlet are not impeded, and the influence of external air is the least.
- The air flow can reach throughout the room.
- The connecting pipe and drainpipe could be extracted out easily.
- There is no direct radiation from heaters.

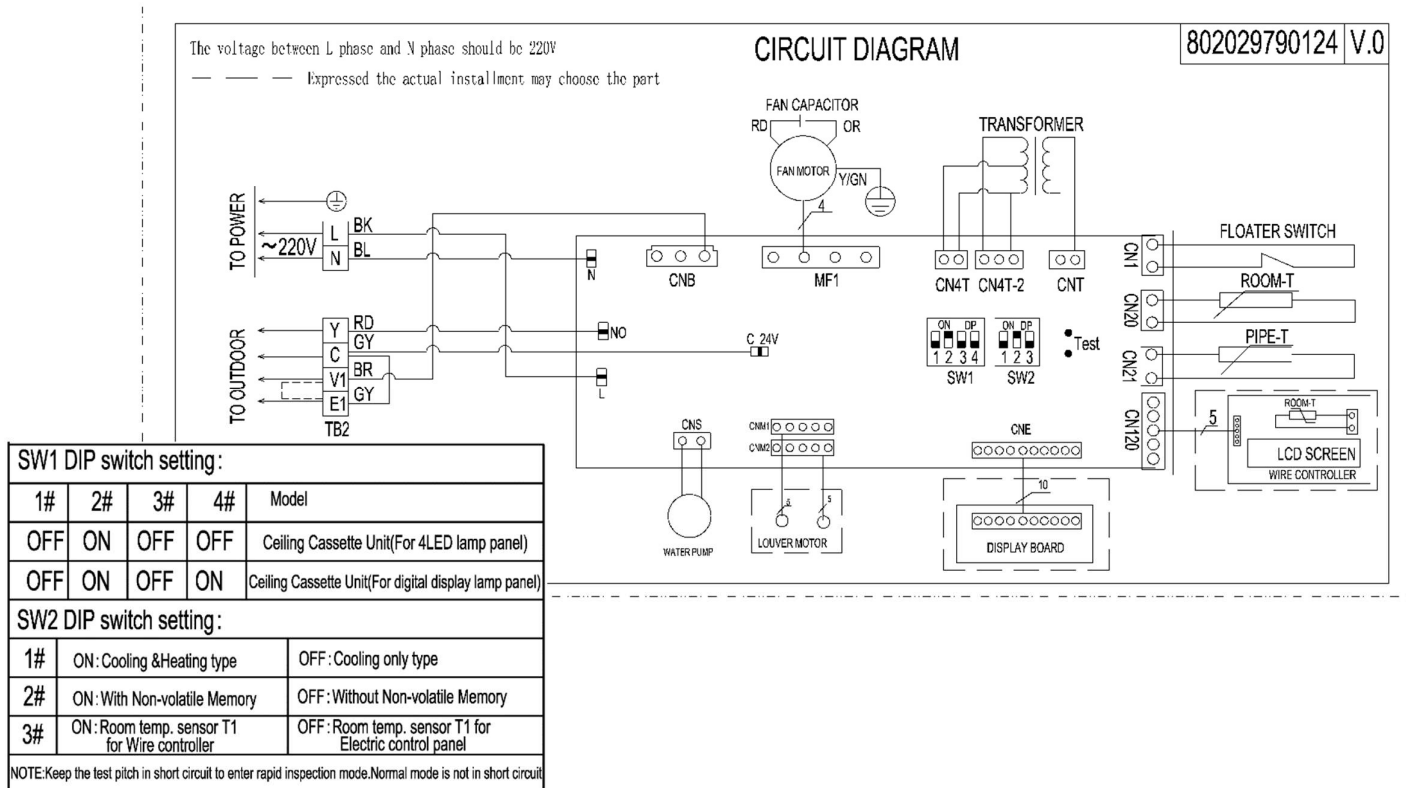


5. Wiring Diagrams

24K/36K



48K/60K



6. Electric Characteristics

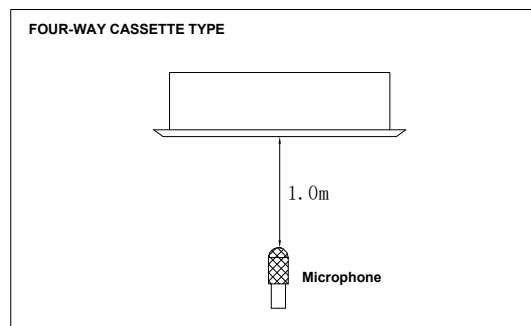
Model	Indoor Unit			
	Hz	Voltage	Min.	Max.
MQC104024CC K216B	60	208-230V	187V	244V
MQC104036CC K216B	60	208-230V	187V	244V
MQC104048CC K216B	60	208-230V	187V	244V
MQC104060CC K216B	60	208-230V	187V	244V

Remark:

MCA: Min. Current Amps. (A)

MFA: Max. Fuse Amps. (A)

7. Sound Levels



Model	Noise level dB(A)		
	H	M	L
MQC104024CCK216B	52	48	45
MQC104036CCK216B	52	48	45
MQC104048CCK216B	57	54	51
MQC104060CCK216B	57	54	51