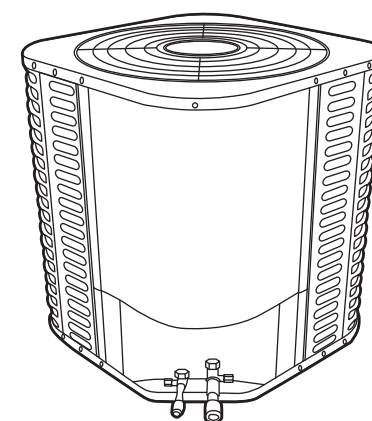


60Hz
LIGHT Commercial
Air-conditioner



Directory

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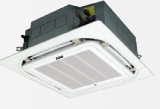
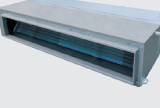
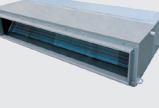
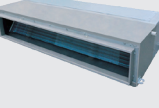
05 Floor & Ceiling Indoor Unit

07 4-way Cassette Indoor Unit

10 Air handling Unit

11 Duct Indoor Unit

Top-discharge

Capacity(Btu/h)	24,000	36,000	48,000	60,000
Floor& Ceiling Unit EER2.36				
Floor&Ceiling Unit EER 2.6				
Floor&Ceiling Unit EER 2.8				
4-way Cassette Unit				
Round flow cassette				
Ducted Unit				
Ducted Unit EER2.8				
Air handling Unit				
Condensing Unit				

How To Read The Models

MCC104036CCU216A

A:Current Version Copeland Compressor
B:Current Version LG Compressor
C:RESERVED FOR DESIGN CHANGE
D:RESERVED FOR DESIGN CHANGE
E:RESERVED FOR DESIGN CHANGE
F:RESERVED FOR DESIGN CHANGE
6:60Hz 5:50Hz
1:Single Phase 3:Three Phase
2:220V 3:380V
CCU:Cooling Only HCU:Heat Pump
024:24K
036:36K
048:48K
060:60K
4:R410a
10:10 Series
13:13 Series
18:18 Series
C:ON/OFF
MI:Inverter
MC:MQ-McQUAY

MQCI04036CFC216A

A:Current Version
B:LG Compressor 5 TON #82103440025
C:RESERVED FOR DESIGN CHANGE
D:RESERVED FOR DESIGN CHANGE
E:RESERVED FOR DESIGN CHANGE
F:RESERVED FOR DESIGN CHANGE
6:60Hz 5:50Hz
1:Single Phase
2:220V 3:380V
CFC:Floor/Ceiling CHF:Cased Fan Coil
CCK:Cassette HU:Air Handling Unit
024:24K 036:36K 048:48K 060:60K
4:R410a
10:10 Series
13:13 Series
18:18 Series
C:ON/OFF
MI:Inverter
MC:MQ-McQUAY

60Hz Top-discharge Condensing Unit



Features

- High efficiency rotary compressor for 24/36K model, and high efficiency scroll compressor for 48/60k model, system can operate in the best performance.
 - Scroll Comp.
 - Scroll Plate
 - Working Principle
- Universal design, more convenient for market stocks and spare part stocks.
- Metal grille (we don't have plastic option)**
~~Metal optional & plastic grille for your choice.~~
- Golden hydrophobic aluminum fins for option.
- Multi protection: High pressure protection, low pressure protection, high exhaust temp. protection and etc.
- 24V universal communication connection, safe and simple.

Specification

60Hz SEER10 R410A Cooling Only

Outdoor unit		MCC104036CCU216A	MCC104048CCU216A	MCC104060CCU216A	MCC104060CCU216B
Power supply	V/Hz/Ph	208V~230V/1/60	208V~230V/1/60	208V~230V/1/60	208V~230V/1/60
Capacity Cooling	Btu/h	36000	48000	60000	60000
	RT	3	4	5	5
Physical data					
Air Flow Volume	CFM	2400	3200	3200	3200
Noise Level	dB(A)	65	65	65	65
Net Dimension(W×D×H)	mm	554×554×645	740×740×835	740×740×835	740×740×835
Packing Dimension(W×D×H)	mm	575×575×660	760×760×875	760×760×875	760×760×875
Net Weight	kg	46.5	74	77.5	74.5
Gross Weight	kg	49.5	78.5	81.8	79
Piping data					
Liquid Size	in	3/8"	3/8"	3/8"	3/8"
Gas Size	in	3/4"	3/4"	3/4"	3/4"
Max. pipe length	m	20	20	20	20
Max. height difference	m	10	10	10	10

Please write: Nominal cooling

Floor&Ceiling Indoor Unit



36k Btu/h



48k-60k Btu/h



Specification

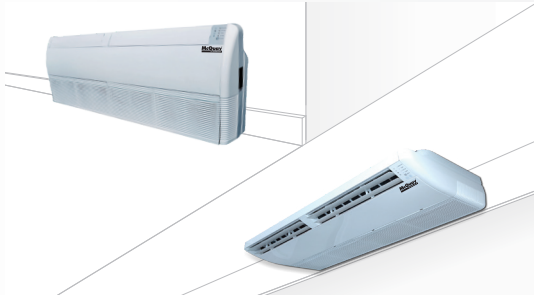
60Hz SEER10 R410A Cooling Only

Nominal cooling

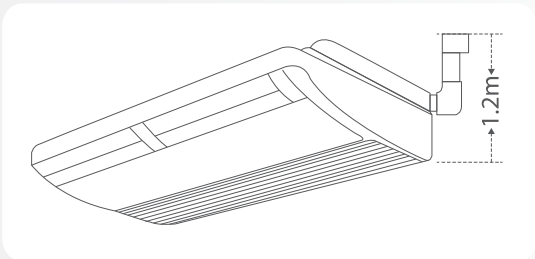
Indoor unit		MQC104036CFC216A	MQC104048CFC216A	MQC104060CFC216A
Power supply	V/Hz/Ph	220/60/1	220/60/1	220/60/1
Capacity Cooling	Capacity			
	Btu/h	36000	48000	60000
	RT	3	4	5
Physical data				
Air flow volume	m³/h	1700	2200	2300
Noise level (Hi/Med/Low)	dB(A)	51-56	51-56	51-57
Net dimension (W×D×H)	mm	1245×240×680	1670×240×680	1670×240×680
Packing dimension (W×D×H)	mm	1325×325×770	1750×325×770	1750×325×770
Net weight	kg	35	47	47
Gross weight	kg	41	54	54
Piping data				
Piping size	Liquid	in	3/8"	3/8"
	Gas	in	3/4"	3/4"
	Drainage	m	1"	1"

Features

- 1 Flexible installation, ceiling suspended and floor standing.



- 4 Built-in with water pump, pumping head is up to 1200mm(Optional).



- 2 Washable air filter

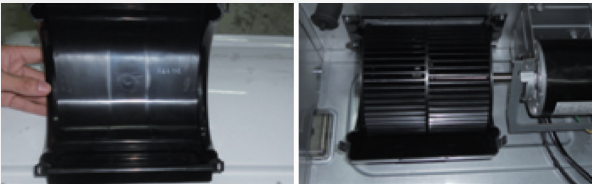
- 5 Digital display, more intuitive and simple, and the error code can be show in the display (Optional).



- 3 Auto-swing function, built-in two louver motors, vertical and horizontal air-flow adjustment.



- 6 New upper and lower buckle type wheel case, the upper wheel case can be removed alone, which is convenient adjust the wheel motor.



4-way Cassette Indoor Unit



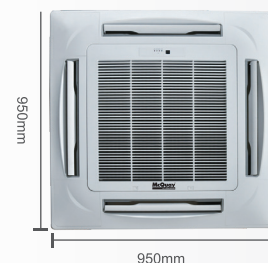
18k Btu/h

24k~60k Btu/h

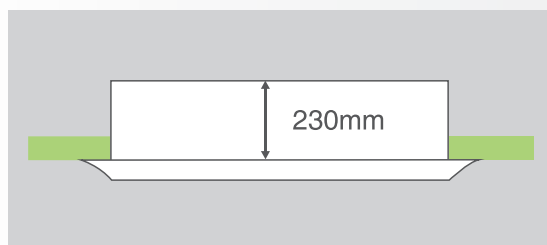
Features

- 1 Brand-new panel design
Simple, featty and vogueish appearance suit for different requirements, it's mostly used for office, shopping center, restaurant, meeting room and etc.

18k Btu, compact type, 650x650
24k Btu~60k Btu, standard type, 950x950



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



- 3 4-way air flow, cold air can reach each corner of the room, providing a stable and comfortable environment. Use two stepper motors to control four louvers.



Features

- 4 New panel
 1. New maintenance panel
 2. New louver.
 3. New light panel for standard type.
- 5 Intelligent auto-swing function, three modes for choice.
- 6 3 fan speed, meet for different requirement.
- 7 New streamlined fan design.
- 8 Energy saving and healthy, adopting hydrophilic aluminum fins increasing heat-exchange efficiency.
- 9 Built-in water pump, water head up to 800mm.
- 10 Easy and convenient installation and maintenance, washable filter design.
- 11 Integrated electric control box, Fire resistance design, the E-box with galvanized steel built-in body easy for maintenance.
- 12 Add four interfaces in body, can be connected with duct to another room. Fresh air makes air quality more healthy and more comfortable.
- 13 Multi protection and auto-restart function.

4 Way Cassette Indoor Unit

Specification

60Hz SEER10 R410A Cooling Only



Indoor unit			MQC104036CCK216A	MQC104048CCK216A	MQC104060CCK216A
Power supply		V/Hz/Ph	208-230/60/1	208-230/60/1	208-230/60/1
Capacity					
Cooling Capacity	Capacity	Btu/h	36000	48000	60000
		RT	3	4	5
Physical data					
Air flow volume		m³/h	1200	1900	1900
Noise level (Hi/Med/Low)		dB(A)	52/48/45	57/54/51	57/54/51
Net dimension (W×D×H)	Body	mm	840×230×840	840×285×840	840×285×840
	Panel	mm	950×50×950	950×50×950	950×50×950
Packing dimension (W×D×H)	Body	mm	920×310×920	920×375×920	920×375×920
	Panel	mm	1030×105×1030	1030×105×1030	1030×105×1030
Net weight	Body	kg	28	31	31
	Panel	kg	5.4	5.4	5.4
Gross weight	Body	kg	32	35	35
	Panel	kg	8	8	8
Applicable area		m²	40-70	55~95	60~105
Piping data					
Piping size	Liquid	in	3/8"	3/8"	3/8"
	Gas	in	3/4"	3/4"	3/4"
	Drainage	in	1"	1"	1"

Air Handling Unit



36 /60K Btu/h

Features

- 1

Use R410A refrigerant,can be matched with top-discharge condensing unit.
- 2

Centrifugal fan rotor with a stastic pressure of 50 Pa, can provide large air volume.
- 3

Easily controlled by thermostate and compatible with other manufactor’s products.
- 4

Flexible installation , can be installed vertical or horizontal.

Specification

60Hz SEER10 R410A Cooling Only

Indoor unit		MQC104036AHU216A		MQC104060AHU216A		
Power supply		V/Hz/Ph	208-230/60/1		208-230/60/1	
Capacity						
Cooling	Capacity	Btu/h	36000		60000	
		RT	3		5	
Physical data						
Air flow volume		m³/h	1700		2500	
External Static Pressure （Hi）		Pa	37		50	
Noise level		dB(A)	51-56		51-57	
Indoor dimension	Unit (WxHxD)	mm	460×774×520		500×970×550	
	Packing (WxHxD)	mm	520×834×565		560×1030×595	
Net weight		kg	37		45	
Gross weight		kg	39		48	

Notes:
1.The cooling condition: T1 condition: indoor side 27°C (80.6°F) DB, 19°C (60°F) WB, outdoor side 35°C (95°F) DB;
2.The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB, outdoor side 7°C (42.8°F) DB
3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.

Duct Indoor Unit



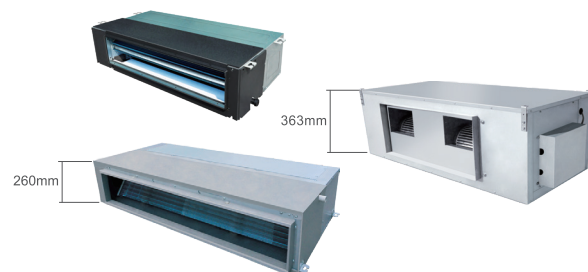
Low ESP Short Ducted Unit

Medium ESP Ducted Unit

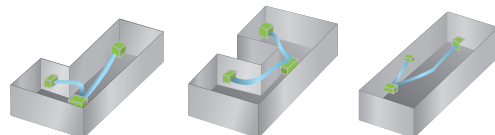
High ESP Ducted Unit

Features

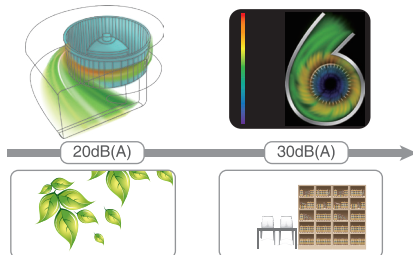
- 1 Ultra-thin and short body design,easy to install



- 4 30Pa ESP design for the medium static pressure duct type, 120Pa ESP design for the high static pressure duct type. Duct connected installation meet for different room structure



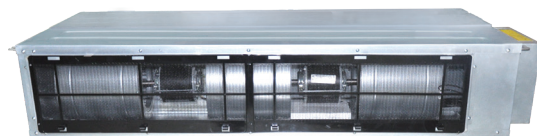
- 2 Adopting aviation centrifugal fans, and CFD technology design, increasing air-volume and decreasing noise level, noise level only 29dB(A) for Low ESP Ducted Unit



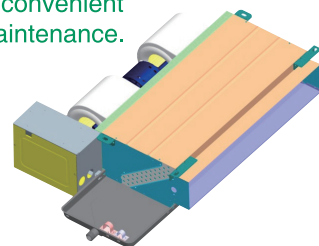
- 3 Three fan speed, meet different requirement.



- 5 Filter can be taken out easily for clear. Easy maintenance.



- 6 E-box is body-side design for Low ESP Ducted Unit, convenient installation and maintenance.



Specification

60Hz SEER10 R410A Cooling Only

Nominal cooling

Outdoor unit		MQC104036CHF216A	MQC104048CHF216A	MQC104060CHF216A
Power supply	V/Hz/Ph	220/60/1	220/60/1	220/60/1
Capacity	Btu/h	36000	48000	60000
	RT	3	4	5
Physical data				
Air flow volume	m³/h	1300	2000	2000
Noise level(Hi/Med/Low)	dB(A)	50/47/45	56/54/51	56/54/51
Net dimension(W×D×H)	mm	1190×260×643	1425×643×260	1425×643×260
Packing dimension(W×D×H)	mm	1255×325×720	1490×720×325	1490×720×325
Net weight	kg	32	46	46
Gross weight	kg	36	50	50
Applicable area	m2	40-70	55~95	60~105
Piping data				
Piping size	Liquid	in	3/8"	3/8"
	Gas	in	3/4"	3/4"
	Drainage	in	1"	1"