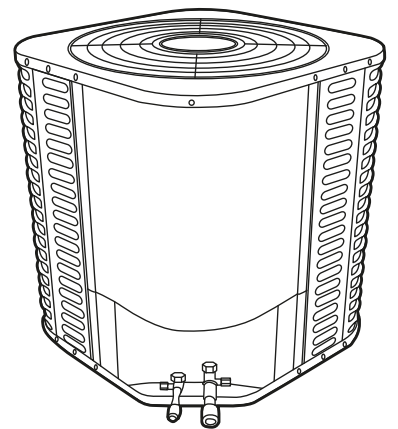


60Hz
LIGHT COMMERCIAL
Air-Conditioner







Directory

- 01 Contents
- 02 How To Read The Models
- 03 60Hz Top-discharge
Condensing Unit
- 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

MQC104036CFC216A

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



36k Btu/h

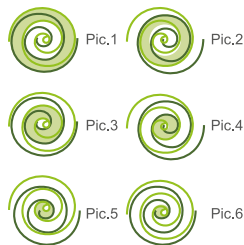


48, 60k Btu/h



Características

- 1 High efficiency rotary compressor for 24/36K model, and high efficiency scroll compressor for 48/60k model, system can operate in the best performance.



Fixed Scroll Active Scroll Compressing Area

- Scroll Comp.
- Scroll Plate
- Working Principle

- 2 Universal design, more convenient for market stocks and spare part stocks.

Metal grille

3



Metal

- 4 24V universal communication connection, safe and simple.



- 5 Golden hydrophobic aluminum fins for option.



- 6 Multi protection: High pressure protection, low pressure protection, high exhaust temp. protection and etc.

60Hz SEER10 R410A Cooling Only

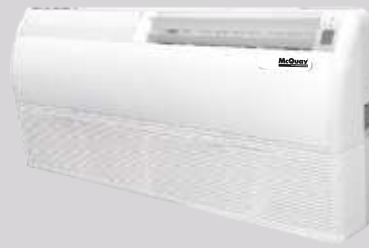


| Outdoor unit | | MCC104036CCU216A | MCC104048CCU216A | MCC104060CCU216A | MCC104060CCU216B |
|--------------------------|---------|------------------|------------------|------------------|------------------|
| Power supply | V/Hz/Ph | 208V~230V/1/60 | 208V~230V/1/60 | 208V~230V/1/60 | 208V~230V/1/60 |
| Capacity | | | | | |
| Nominal 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 |

Floor&Ceiling Indoor Unit



36k Btu/h



48k-60k Btu/h



Features

- 1 Flexible installation, ceiling suspended and floor standing.

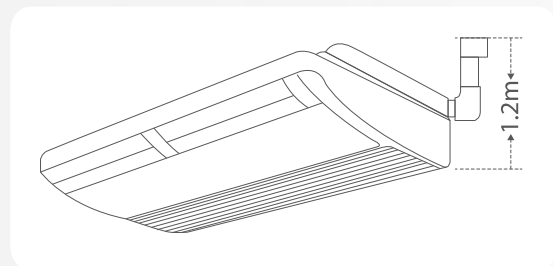


- 2 Washable air filter

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



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



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



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



60Hz SEER10 R410A Cooling Only

| Indoor unit | | MQC104036CFC216A | MQC104048CFC216A | MQC104060CFC216A | |
|---------------------------|-------------------|------------------|------------------|------------------|-------|
| Power supply | V/Hz/Ph | 220/60/1 | 220/60/1 | 220/60/1 | |
| Capacity | | | | | |
| Nominal Cooling | Capacity | Btu/h | 36000 | 48000 | 60000 |
| | | RT | 3 | 4 | 5 |
| Physical data | | | | | |
| Air flow volume | m ³ /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" | 3/8" |
| | Gas | in | 3/4" | 3/4" | 3/4" |
| | Drainage | m | 1" | 1" | 1" |

4-way Cassette Indoor Unit



18k Btu/h



24k-60k Btu/h

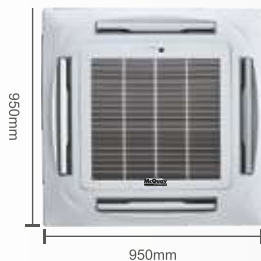


Features

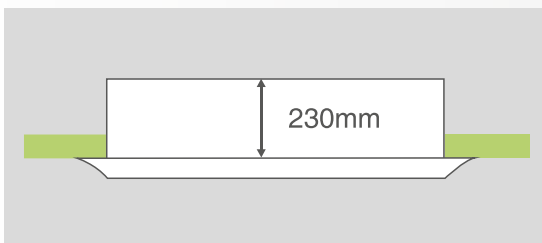
- 1 Brand-new panel design
Simple, featty and vogueish appearance suit for different requirements, it's mostly used for office, shopping center, restaurant, meeting room and etc.

18kBtu, compact type, 650x650

24kBtu-60kBtu, 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.

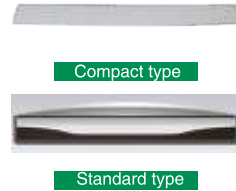


4 New panel

1.New maintenance panel



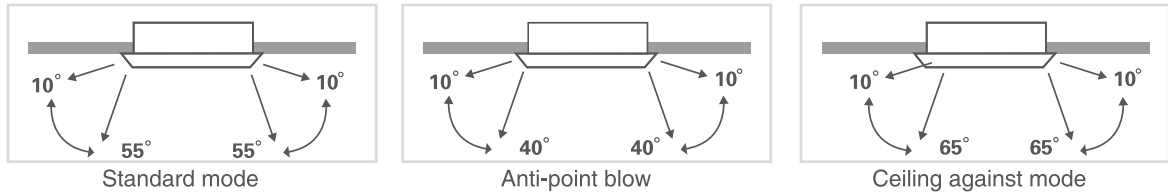
2.New louver.



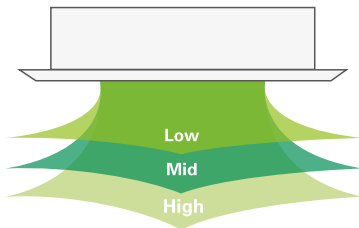
3.New light panel for standard type.



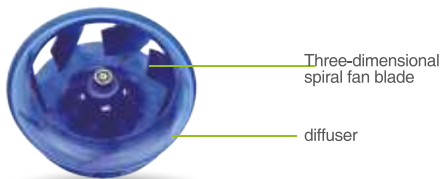
5 Intelligent auto-swing function, three modes for choice.



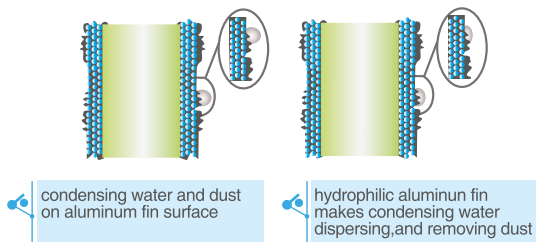
6 3 fan speed, meet for different requirement.



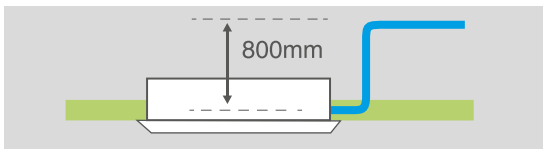
7 New streamlined fan design.



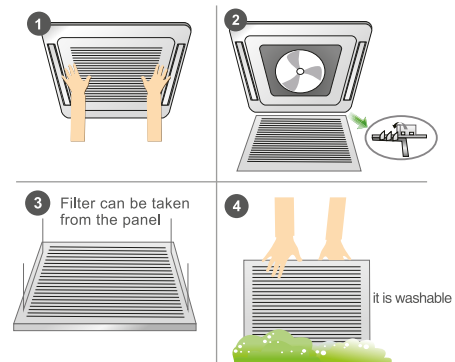
8 Energy saving and healthy, adopting hydrophilic aluminum fins increasing heat-exchange efficiency.



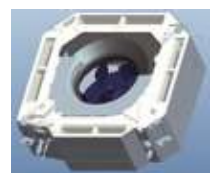
9 Built-in water pump, water head up to 800mm.



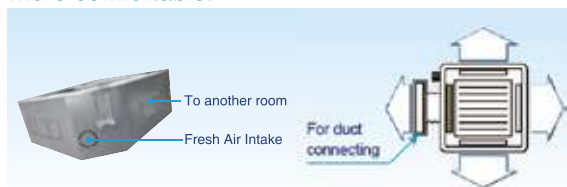
10 Easy and convenient installation and maintenance, washable filter design.



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 | | | | | |
| Nominal Cooling | Capacity | Btu/h | 36000 | 48000 | 60000 |
| | | RT | 3 | 4 | 5 |
| Physical data | | | | | |
| Air flow volume | | m ³ /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 | | m ² | 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 static pressure of 50 Pa, can provide large air volume.
- 3 | Easily controlled by thermostat and compatible with other manufacturer'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 | | | | | |
| Nominal Cooling | Capacity | Btu/h | 36000 | | 60000 |
| | | RT | 3 | | 5 |
| Physical data | | | | | |
| Air flow volume | | m ³ /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:

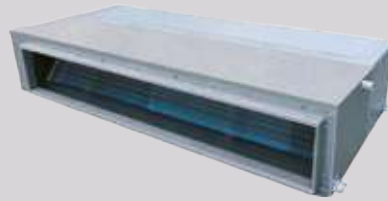
1.The cooling condition: T1 condition: indoor side 27°C (80.6°F) DB, 19°C (60°F) WB, outdoor side 35°C (95°F) DB;

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



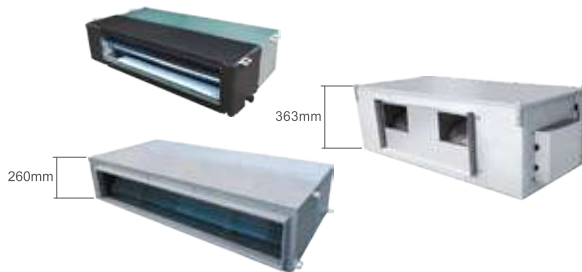
Low ESP Short Ducted Unit

Medium ESP Ducted Unit

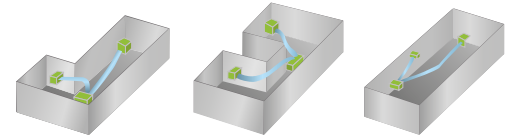
High ESP Ducted Unit

Features

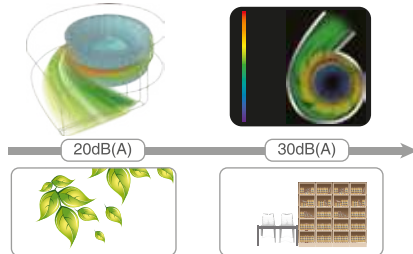
- 1 Ultra-thin and short body design, easy to install



- 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



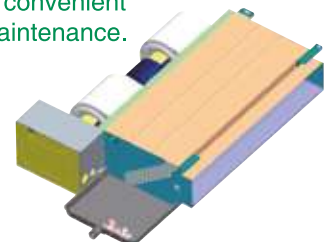
- 5 Filter can be taken out easily for clear. Easy maintenance.



- 3 Three fan speed, meet different requirement.



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



60Hz SEER10 R410A Cooling Only



| Outdoor unit | | | MQC104036CHF216A | MQC104048CHF216A | MQC104060CHF216A |
|--------------------------|-------------------|----|------------------|------------------|------------------|
| Power supply | V/Hz/Ph | | 220/60/1 | 220/60/1 | 220/60/1 |
| Capacity | | | | | |
| Nominal Cooling | Btu/h | | 36000 | 48000 | 60000 |
| | RT | | 3 | 4 | 5 |
| Physical data | | | | | |
| Air flow volume | m ³ /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 | m ² | | 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" |

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