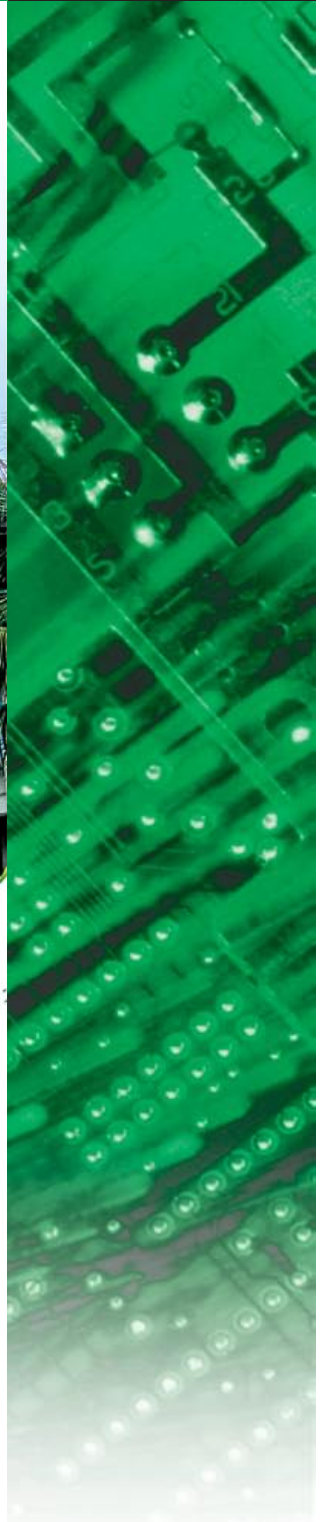


# Ceiling Concealed Split System D Series



*Engineered for flexibility and performance.™*

**McQuay**<sup>®</sup>  
Air Conditioning

## Invisible Operation

Installed concealed above the ceiling, MCC-D is designed to create a comfortable and healthy indoor air climate, while remaining invisible. This allows user to enjoy conditioned air without sacrificing room space or interior design creativity.



## High Level Of Protection

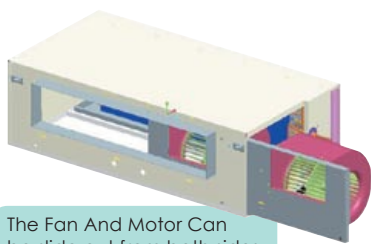
Each MCC-D series is incorporated with an unique safety feature, i.e a float switch, to protect the unit from possible problems of condensate water over flow inside the unit. Once the condensate water reaches critical level, the level switch will be activated and signal will be sent to microprocessor controller to stop the compressor as well to send an error message to the wired controller, alerting the owner, for further action.

## Flexibility In System Design

The unit offers fan motor that can operate up to 4 speeds, thus provide choices of external static pressure for designing ducting system.



# Features:

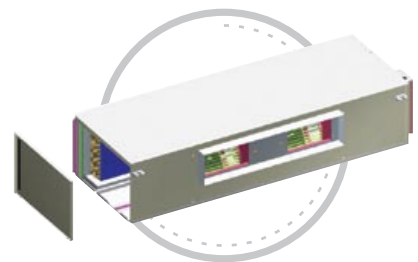
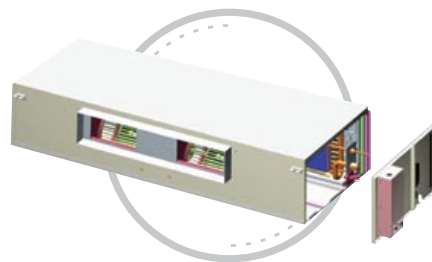
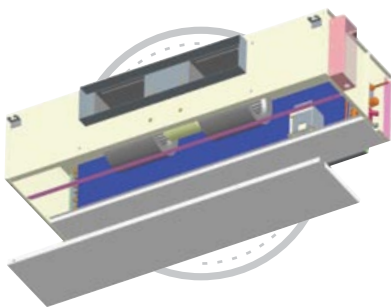


The Fan And Motor Can be slide out from both sides.



## Easy Serviceability

With the concept of easy serviceability in mind, MCC-D series is designed for easy access to the internal components. The internal components, such as fan motor or fan blower, of the unit can be easily accessed for servicing through both sides or bottom of the unit.



## NIM – Able

The MCC range of product is able to communicate with the versatile NIM networking control module and offers the opportunity of one centralized control for a system of multiple indoor units in a building.

## Choices Of Wired And Wireless Controller

Standard unit come with the Netware III, which offers wide range of control features that includes 7 days and 24 hours timer setting, self diagnosis error code display and more.

In addition, an credit card size remote controller, AC-5300, can also provides wireless command to the SLM 3 or Netware III handset.



AC-5300 Wireless Controller (Optional)



NetWare III Controller

## Self Diagnosis Features'

The microprocessor provides the possibility to detect and to diagnose any faults that occur in the system. Faults are displayed as error code in the wired controller. This will ease the troubleshooting process.

## With R-407C Refrigerant

In line with Montreal Protocol, the MCC-D series is available in R-407C refrigerant.

### CEILING CONCEALED MCC-D SERIES - R-22

| HEAT PUMP MODEL          |                                     | INDOOR UNIT  |             | MCC 075DR         |   | MCC 100DR         |  |
|--------------------------|-------------------------------------|--------------|-------------|-------------------|---|-------------------|--|
|                          |                                     | OUTDOOR UNIT |             | MMC 075ER         |   | MMC 100ER         |  |
| NOMINAL COOLING CAPACITY |                                     | Btu/h        |             | 75000             |   | 100000            |  |
|                          |                                     | W            |             | 21960             |   | 29310             |  |
| NOMINAL HEATING CAPACITY |                                     | Btu/h        |             | 84000             |   | 110000            |  |
|                          |                                     | W            |             | 24600             |   | 32240             |  |
| 50 HZ                    | NOMINAL TOTAL INPUT POWER           | COOLING      | W           | 7356              |   | 10200             |  |
|                          | NOMINAL TOTAL INPUT POWER           | HEATING      | W           | 7206              |   | 9800              |  |
|                          | EER                                 |              | W/W         | 3.14              |   | 3.01              |  |
|                          | COP                                 |              | W/W         | 3.59              |   | 3.46              |  |
| COOLING ONLY MODEL       |                                     | INDOOR UNIT  |             | MCC 075D          |   | MCC 100D          |  |
|                          |                                     | OUTDOOR UNIT |             | MMC 075D          |   | MMC 100D          |  |
| NOMINAL CAPACITY         |                                     | Btu/h        |             | 75000             |   | 10000             |  |
|                          |                                     | W            |             | 21960             |   | 29310             |  |
| 50 HZ                    | NOMINAL TOTAL INPUT POWER           |              | W           | 7356              |   | 10200             |  |
|                          | EER                                 |              | W/W         | 3.14              |   | 3.01              |  |
| POWER SOURCE             |                                     |              | V/Ph/Hz     |                   | 380 - 415 / 3 / 50                              |                   |  |
| INDOOR UNIT              | AIR FLOW                            | SUPER HIGH   | l/s / CFM   | 1142 / 2420       |   | 1487 / 3150       |  |
|                          |                                     | HIGH         | l/s / CFM   | 1156 / 2450       |   | 1477 / 3130       |  |
|                          |                                     | MEDIUM       | l/s / CFM   | 944 / 2000        |   | 1340 / 2840       |  |
|                          |                                     | LOW          | l/s / CFM   | 793 / 1680        |   | 1057 / 2240       |  |
|                          | EXTERNAL STATIC PRESSURE (SH/H/M/L) |              | Pa (in.wg.) |                   | 196 / 137 / 98 / 69 (0.79 / 0.55 / 0.39 / 0.28) |                   |  |
|                          | SOUND PRESSURE LEVEL (SH/H/M/L)     |              | dBA         | 52 / 52 / 48 / 43 |   | 55 / 54 / 52 / 48 |  |
|                          | UNIT DIMENSION                      | HEIGHT       | mm/in       | 430 / 16.9        |   | 430 / 16.9        |  |
|                          |                                     | WIDTH        | mm/in       | 1426 / 56.1       |   | 1655 / 65.2       |  |
|                          |                                     | DEPTH        | mm/in       | 826 / 32.5        |   | 826 / 32.5        |  |
|                          | PACKING DIMENSION                   | HEIGHT       | mm/in       | 612 / 24.1        |   | 612 / 24.1        |  |
| WIDTH                    |                                     | mm/in        | 1535 / 60.4 |                   | 1765 / 69.5                                     |                   |  |
| DEPTH                    |                                     | mm/in        | 974 / 38.3  |                   | 974 / 38.3                                      |                   |  |
| UNIT WEIGHT              |                                     | kg/lb        | 92 / 203    |                   | 119 / 262                                       |                   |  |
| SOUND PRESSURE LEVEL     |                                     | dBA          |             | 64                |   |                   |  |
| OUTDOOR UNIT             | UNIT DIMENSION                      | HEIGHT       | mm/in       |                   | 1041 / 40.98                                    |                   |  |
|                          |                                     | WIDTH        | mm/in       |                   | 981 / 38.62                                     |                   |  |
|                          |                                     | DEPTH        | mm/in       |                   | 981 / 38.62                                     |                   |  |
| UNIT WEIGHT              |                                     | kg/lb        | 170 / 374   |                   | 184 / 405                                       |                   |  |
| PIPE CONNECTION          | TYPE                                |              |             | BRAZING           |   |                   |  |
|                          | SIZE                                | LIQUID GAS   | mm/in       | 12.70 / 1/2       |   | 15.88 / 5/8       |  |
|                          |                                     |              | mm/in       | 25.40 / 1         |   | 25.57 / 1-1/8     |  |

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94.

3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35.0°C DB / 23.9°C WB OUTDOOR

b) HEATING - 21.1°C DB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR

4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8616 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW THE CENTER OF THE UNIT.

TESTED WITH 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET AND 1m DUCT LENGTH AT THE AIR RETURN INLET.

5) EER/COP CALCULATION IS BASED ON EFFECTIVE POWER INPUT AS PER ISO5151.

CEILING CONCEALED MCC-D SERIES - R-407C

| HEATPUMP MODEL           |                                     | INDOOR UNIT  |             | MCC 075DR                                       |               | MCC 100DR         |  |
|--------------------------|-------------------------------------|--------------|-------------|---|---------------|-------------------|--|
|                          |                                     | OUTDOOR UNIT |             | M4MC 075ER                                      |               | M4MC 100ER        |  |
| NOMINAL COOLING CAPACITY |                                     |              | Btu/h       | 75000   |               | 100000            |  |
|                          |                                     |              | W           | 21980   |               | 29310             |  |
| NOMINAL HEATING CAPACITY |                                     |              | Btu/h       | 84000   |               | 110000            |  |
|                          |                                     |              | W           | 24620   |               | 32240             |  |
| 50 Hz                    | NOMINAL TOTAL INPUT POWER           |              | W           | 7827  |               | 11040             |  |
|                          | COOLING                             |              | W           | 7827  |               | 9279              |  |
|                          | HEATING                             |              | W/W         | 3.12  |               | 2.80              |  |
|                          | EER                                 |              | W/W         | 3.49  |               | 3.70              |  |
| COP                      |                                     | W/W          |             |   |               |                   |  |
| COOLING ONLY MODEL       |                                     | INDOOR UNIT  |             | MCC 075D  |               | MCC 100D          |  |
|                          |                                     | OUTDOOR UNIT |             | M4MC 075D                                       |               | M4MC 100D         |  |
| NOMINAL CAPACITY         |                                     |              | Btu/h       | 75000   |               | 100000            |  |
|                          |                                     |              | W           | 21980   |               | 29310             |  |
| 50 Hz                    | NOMINAL TOTAL INPUT POWER           |              | W           | 7827  |               | 11040             |  |
|                          | EER                                 |              | W/W         | 3.12  |               | 2.80              |  |
| POWER SOURCE             |                                     |              | V/Ph/Hz     | 380 - 415 / 3 / 50                              |               |                   |  |
| INDOOR UNIT              | AIR FLOW                            | SUPER HIGH   | l/s / CFM   | 1142 / 2420                                     |               | 1487 / 3150       |  |
|                          |                                     | HIGH         | l/s / CFM   | 1156 / 2450                                     |               | 1477 / 3130       |  |
|                          |                                     | MEDIUM       | l/s / CFM   | 944 / 2000                                      |               | 1340 / 2840       |  |
|                          |                                     | LOW          | l/s / CFM   | 793 / 1680                                      |               | 1057 / 2240       |  |
|                          | EXTERNAL STATIC PRESSURE (SH/H/M/L) |              | Pa (in.wg.) | 196 / 137 / 98 / 69 (0.79 / 0.55 / 0.39 / 0.28) |               |                   |  |
|                          | SOUND PRESSURE LEVEL (SH/H/M/L)     |              | dB(A)       | 52 / 52 / 48 / 43                               |               | 55 / 54 / 52 / 48 |  |
|                          | HEIGHT                              |              | mm/in       | 430 / 16.9                                      |               | 430 / 16.9        |  |
| UNIT DIMENSION           | WIDTH                               | mm/in        | 1426 / 56.1 |   | 1655 / 65.2   |                   |  |
|                          | DEPTH                               | mm/in        | 826 / 32.5  |   | 826 / 32.5    |                   |  |
| UNIT WEIGHT              |                                     | kg/lb        | 92 / 203    |   | 119 / 262     |                   |  |
| SOUND PRESSURE LEVEL     |                                     | dB(A)        | 64          |   |               |                   |  |
| OUTDOOR UNIT             | HEIGHT                              |              | mm/in       | 1041 / 40.98                                    |               |                   |  |
|                          | WIDTH                               |              | mm/in       | 981 / 38.62                                     |               |                   |  |
|                          | DEPTH                               |              | mm/in       | 981 / 38.62                                     |               |                   |  |
|                          | UNIT WEIGHT                         |              | kg/lb       | 170 / 374                                       |               | 184 / 405         |  |
| PIPE CONNECTION          | TYPE                                |              | BRAZING     |   |               |                   |  |
|                          | SIZE                                | LIQUID       | mm/in       | 12.70 / 1/2                                     |               |                   |  |
|                          |                                     | GAS          | mm/in       | 25.40 / 1                                       |               |                   |  |
|                          |                                     |              |             |   | 15.88 / 5/8   |                   |  |
|                          |                                     |              |             |   | 25.57 / 1-1/8 |                   |  |

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