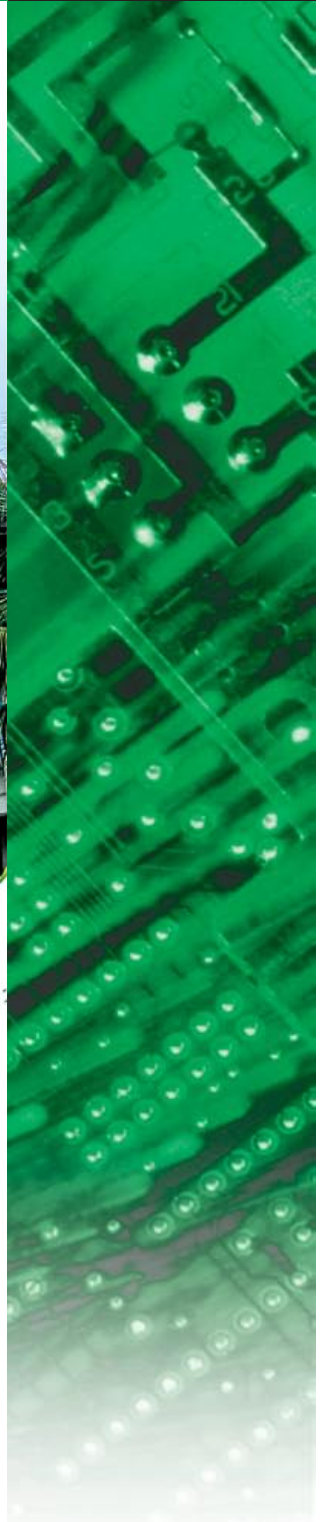


# Ceiling Concealed Split System D Series



*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

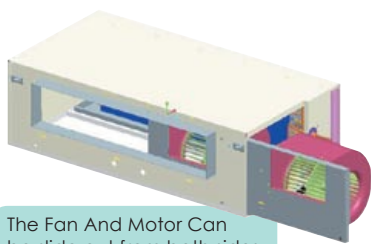
Each MCC-D series is incorporated with a unique safety feature, i.e a float switch, to protect the unit from possible problems of condensate water over flow inside the unit. Once the condensate water reaches critical level, the level switch will be activated and signal will be sent to microprocessor 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:

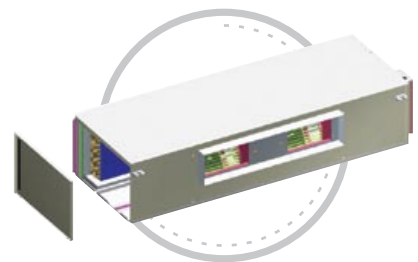
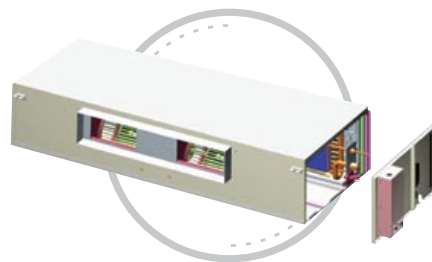
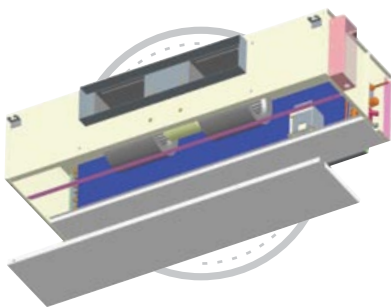


The Fan And Motor Can be slide out from both sides.



## 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	
	HEIGHT	mm/in		612 / 24.1		612 / 24.1	
PACKING DIMENSION	WIDTH	mm/in		1535 / 60.4		1765 / 69.5	
	DEPTH	mm/in		974 / 38.3		974 / 38.3	
		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				
			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		COOLING		W		7827	
			HEATING		W		7827	
	EER		W/W		3.12		2.80	
	COP		W/W		3.49		3.70	
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	
			HIGH		l/s / CFM		1156 / 2450	
			MEDIUM		l/s / CFM		944 / 2000	
			LOW		l/s / CFM		793 / 1680	
	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	
	HEIGHT		mm/in		430 / 16.9		430 / 16.9	
UNIT DIMENSION		WIDTH		mm/in		1426 / 56.1		
		DEPTH		mm/in		826 / 32.5		
UNIT WEIGHT		kg/lb		92 / 203		119 / 262		
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA		64			
	HEIGHT		mm/in		1041 / 40.98			
	UNIT DIMENSION		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	
		GAS		mm/in		12.70 / 1/2		
						25.40 / 1		
						15.88 / 5/8		
						25.57 / 1-1/8		

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

Products manufactured in an ISO certified facility.  
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