

Ceiling Concealed M5CC-CR Series - R410A Heatpump

Indoor Model Name	M5CC 010CR	M5CC 015CR	M5CC 020CR	M5CC 020CR	M5CC 025CR	M5CC 025CR	M5CC 028CR	M5CC 028CR	
Outdoor Model Name	M5LC 010CR	M5LC 015CR	M5LC 020CR	M5LC 020CR	M5LC 025CR	M5LC 025CR	M5LC 028CR	M5LC 028CR	
Nominal Cooling Capacity	Btu/hr	9500	12500	18000	18000	21000	22600	27000	
	W	2780	3660	5280	5280	6155	6700	7910	
Nominal Heating Capacity	Btu/hr	9500	12000	18500	18500	22000	23200	28000	
	W	2780	3520	5420	5420	6450	6800	8210	
Nominal EER	W/W	2.96	2.91	3.13	3.04	3.15	3.03	2.88	
Nominal COP	W/W	3.52	3.18	3.55	3.59	3.39	3.23	3.43	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Air Flow	CFM	250/235/210	410/370/250	570/558/480	570/558/480	690/660/535	850/810/770/710	850/810/770/710
	External Static Pressure	Pa	29/20/10	29/20/10	29/20/10	29/20/10	29/20/10	98/78/68/59	98/78/68/59
	Sound Pressure Level	dBA	33/30/26	37/34/29	38/36/34	38/36/34	40/39/36	44/41/38/34	44/41/38/34
	Height	mm	261	261	261	261	261	285	285
	Width	mm	765	905	1065	1065	1200	1200	932
	Depth	mm	411	411	411	411	411	600	600
	Net Weight	kg	18	22	24	24	26	28	40
	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	220-240/1/50
	Sound Pressure Level	dBA	46	49	52	52	52	58	58
Outdoor	Height	mm	540	540	651	651	753	753	753
	Width	mm	700	700	855	855	855	855	855
	Depth	mm	250	250	328	328	328	328	328
	Net Weight	kg	28	30	47	47	50	57	57
	Pipe Connection - Liquid	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Pipe Connection - Gas	mm	9.52	12.70	12.70	12.70	15.88	15.88	15.88

Indoor Model Name	M5CC 038CR	M5CC 038CR	M5CC 038CR	M5CC 038CR	M5CC 050CR	M5CC 060CR
Outdoor Model Name	M5LC 35DR	M5LC 35DR	M5LC 40DR	M5LC 40DR	M5LC 50DR	M5LC 61DR
Nominal Cooling Capacity	Btu/hr	32000	33000	39000	39000	45000
	W	9380	9670	11430	11430	13190
Nominal Heating Capacity	Btu/hr	34000	36000	41000	41000	47000
	W	9960	10550	12020	12020	13770
Nominal EER	W/W	3.07	3.03	2.82	2.82	2.87
Nominal COP	W/W	3.62	3.64	3.25	3.25	3.41
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Air Flow	CFM	1280/1160/1050/920	1280/1160/1050/920	1280/1160/1050/920	1280/1160/1050/920
	External Static Pressure	Pa	118/96/78/61	118/96/78/61	118/96/78/61	118/96/78/61
	Sound Pressure Level	dBA	52/49/47/45	52/49/47/45	52/49/47/45	52/49/47/45
	Height	mm	315	315	315	315
	Width	mm	1257	1257	1257	1257
	Depth	mm	638	638	638	638
	Net Weight	kg	49	49	49	49
	Power Supply	V/Ph/Hz	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
	Sound Pressure Level	dBA	58	58	58	60
Outdoor	Height	mm	852	852	852	852
	Width	mm	1030	1030	1030	1030
	Depth	mm	400	400	400	400
	Net Weight	kg	86	86	95	98
	Pipe Connection - Liquid	mm	9.52	9.52	9.52	9.52
	Pipe Connection - Gas	mm	15.88	15.88	15.88	15.88

- 1) ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
- 2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151. (NON DUCTED PRODUCT) OR ISO13253 (DUCTED PRODUCT).
- 3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
 - a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
 - b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°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 ISO 5151.

Products manufactured in an ISO certified facility.
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 For the most up-to-date product information, please go to www.mcquay.com.



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A Global Leader in System Solutions for Air Conditioning, Heating, Ventilating and Refrigeration.

Ceiling Concealed Split System C Series



Engineered for flexibility and performance.™



features:

• Microprocessor Controlled

With the microprocessor controlling the operation, the MCC model can offer comfortable room conditions according to the needs of the user. In addition, its control algorithms provide protection to components of the air conditioning unit against any faults.

• Auto Random Restart with Last-State-Memory

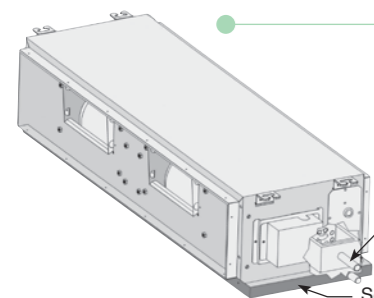
In the event of a sudden power failure during operation, unit can be automatically restarted in 64 different recovery timing patterns and the unit will operate base on the previous setting (Operating Mode, Temperature Setting and Fan Speed). This ensures that air conditioners in the same building resume randomly instead of all at the same time, preventing power surges after a blackout.

• Flexibility In System Design

The unit offers fan motor that can operate up to 4 speeds (Models M(5)CC028C & above only), thus provide choices of external static pressure for designing ducting system. In addition, a range of MCC-C model with optional specification of low external static pressure is also provided to cater for short duct application. Please refer to the technical specification of MCC model.

• 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



Primary Drain Pan
Polysterene (Ps) With
Height Impact Polystyrene
(Hips) Cover
Secondary Drain Pan With Insulation

• Double Protection Drainage System

The primary drain pan is designed with high thermal insulation material and moulded in gradient for better condensate water drainage. The extra secondary drain pan "built in" to the standard unit offers extra protection against possible water leaking problems.

• 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.
* Refer local representative for details.

• Choices Of Wired And Wireless Controller

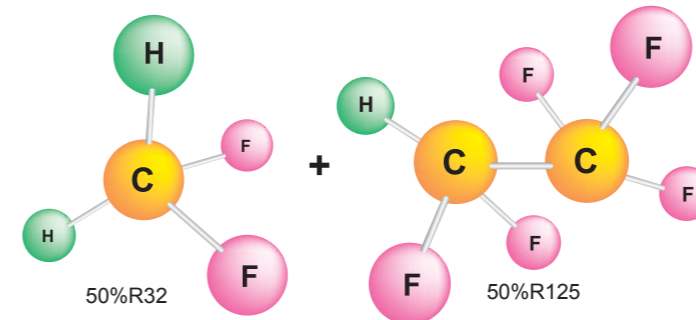


SLM 3



SLM 8
Controller
(Optional)

Standard units come with a simple and user friendly SLM 3. An optional specification of MCC-C series is also available that comes with SLM 8, which offers wide range of control features that includes 7 days and 24 hours timer settings, self diagnosis error code display and more.



• R-410A Refrigerant

In line with Montreal Protocol M5CC series utilise the new R-410A refrigerant.

• Better Air Distribution

The conditioned air can be effectively distributed to the room through the ducting and this ensures a pleasant environment for comfortable living. Multiple rooms can be cooled together at the same time by using just one unit of fan coil.



