



Hydronic Ceiling Cassette Systems for Commercial Applications MC3A (3Row unit) Series



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Hydronic Ceiling Cassette Systems for Commercial Applications

Caryaire State of the art chilled water cassette units are best suitable for commercial applications Such as offices, shops, retail stores, conference rooms, show rooms, hospitals, hotels, etc.

The new unit comes with an optional arrangement for fresh air applications like restaurants, hospitals, conference rooms, etc. Fresh air arrangement is provided in each cassette, which can be made functional at site as per requirement.



Remote Control

- Infrared remote control
- LCD Display
- 3 fan speed plus auto-fan
- Drain pump failure alarm
- Easy usage
- Programmable with elegant Design
- Fault indication on display

Features

- Ultra Quiet Operation
- Efficient cooling
- Auto swing louver
- 4 direction air flow
- High efficient water drain pump system
- Suitable to work with Modulating Valve also
- In built thermostat
- Eliminates ducting results in increased ceiling height
- Easy cleaning filter
- Fresh air optional
- 3row coil

Physical & Technical Data

Model			MC3A-300D	MC3A-400D	MC3A-500D	MC3A-600D	MC3A-800D	MC3A-1000D	MC3A-1200D	MC3A-1500D	MC3A-1600D		
Power Supply			220V, Single Phase										
Air volume	H	m ³ /h	520	650	840	1000	1320	1660	1950	2500	2720		
	M		420	510	670	800	1050	1330	1560	2000	2040		
	L		310	390	500	600	790	1000	1170	1500	1360		
Cooling capacity	TH	H	W	3450	4370	5640	6670	8630	11270	12650	14740	15000	
			BTU/h	11770	14910	19230	22760	29430	38450	43160	50300	51180	
	SH	H	W	2420	3140	3850	4680	6050	7870	9080	10800	11175	
			BTU/h	8260	10700	13140	15950	20640	26840	30960	36880	38129	
	TH	M	W	2860	3640	4650	5540	7170	9350	10470	11980	12450	
			W	1940	2540	3080	3780	4910	6430	7400	8940	9560	
SH	L	W	2260	2860	3740	4400	5720	7430	8360	9760	10300		
		W	1480	1960	2440	2970	3820	4980	5780	7040	8400		
Heating capacity	H	W	5410	6790	8740	10350	13340	17480	19670	23540	24000		
	M	W	4480	5600	7220	8570	11030	14450	16300	18400	19900		
	L	W	3470	4350	5610	6660	8530	11220	12600	13540	15200		
Noise	H	OPa	dB(A)	42	44	42	46	46	47	50	52	53	
Power input	H	OPa	W	50	58	70	95	130	160	190	220	230	
Waterflow volume			m ³ /h	0.59	0.75	0.96	1.14	1.47	1.92	2.15	2.51	2.55	
Water pressure drop			kPa	16	28	23	32	29	35	40	43	45	
Dimension of water(in & out)connection pipe	in		3/4"										
	out		3/4"										
Coil	type		High efficient 3Row copper pipe of 7mm dia,0.25mm thick with Hydrophilic aluminum fin having 14.7fins/inch										
Dimension of drain pipe	mm		Ø26										
Net dimension	Unit	LxWxH	592*592*242			750*750*242			840*840*242			946*946*292	
	Panel	mm	650*650*40			850*850*40			950*950*40			1050*1050*40	
Net weight	Unit	kg	20	20	24.5	25.5	27.5	29.5	29.5	30	32		
	Panel		4.2			5			6				

Testing conditions

Cooling
 Entering air temperature: Dry bulb 27°C, Wet bulb 19.5°C
 Entering/out water temperature: 7°C/ 12°C

Heating
 Entering air temperature: 20°C
 Entering water temperature: 60°C, Same water flow rate as for the cooling