



# Hydronic Ceiling Cassette Systems

## For Commercial Applications MCA4P Series



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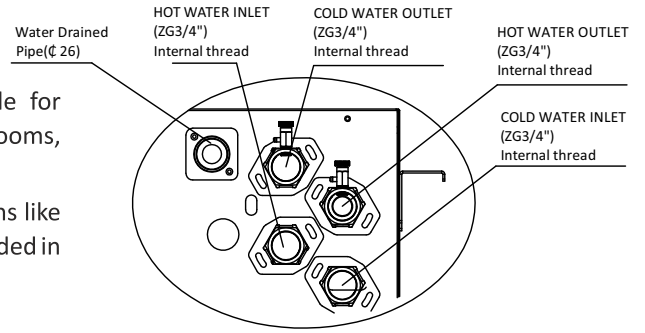
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# Hydronic Ceiling Cassette Systems

## 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
- In built thermostat
- Eliminates ducting results in increased ceiling height
- Easy cleaning filter
- Fresh air optional
- 2row cooling and 1row heating coil

### Physical & Technical Data

Model			MCA4P-300D	MCA4P-400D	MCA4P-500D	MCA4P-600D	MCA4P-800D	MCA4P-1000D	MCA4P-1200D	MCA4P-1400D	MCA4P-1600D				
Power Supply			220V, Single Phase												
Air volume	H M L	m <sup>3</sup> /h	520	650	840	1000	1320	1660	1950	2090	2720				
			420	510	670	800	1050	1330	1560	1670	2040				
			310	390	500	600	790	1000	1170	1250	1360				
Cooling capacity	TH	H	W	2950	3700	4800	5700	7350	9600	10800	11750	13200			
			BTU/h	10050	12700	16400	19400	25100	32750	36800	40150	45040			
	SH	H	W	2150	2800	3450	4150	5400	7000	8100	8900	10000			
			BTU/h	7350	9550	11700	14200	18400	23900	27600	30450	34120			
	TH	M	W	2500	3200	4050	4850	6250	8200	9150	10000	11000			
			W	1750	2300	2800	3450	4450	5850	6700	7500	37532			
SH	L	W	2000	2550	3350	3900	5100	6600	7450	8150	9100				
		W	1350	1800	2250	2750	3550	4600	5350	5900	6600				
Heating capacity	H M L	W	3000	3750	4850	5750	7400	9700	10900	11850	13500				
		W	2550	3200	4100	4850	6250	8200	9250	10050	11200				
		W	2000	2500	3250	3850	4950	6500	7300	7950	8750				
Noise	H	0Pa	dB(A)	42	44	42	46	46	47	50	51	53			
Power input	H	0Pa	W	50	58	70	95	130	160	190	210	230			
Waterflow volume	Cooling Heating	m <sup>3</sup> /h	0.5	0.64	0.81	0.97	1.25	1.64	1.83	2	2.2				
			0.33	0.42	0.54	0.64	0.82	1.08	1.21	1.32	1.5				
Water pressure drop	Cooling Heating	kPa	13	22	18	25	23	28	33	42	42				
			8	13	11	15	15	19	23	26	30				
Dimension of water(in & out)connection pipe	in out	3/4"													
		3/4"													
Coil	type	High efficient 7mm dia, 0.25mm thick copper pipe with hydrophilic coating													
Dimension of water drain pipe	mm	Ø26													
Net dimension	Unit	LxWxH mm	592*592*242			750*750*242			840*840*242			840*840*292		946*946*292	
	Panel		650*650*40			850*850*40			950*950*40			950*950*40		1050*1050*40	
Net weight	Unit	kg	20	20	24.5	25.5	27.5	29.5	29.5	30	33				
	Panel		2.2		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