

# HCA1 HCA1/4

## DC brushless hydronic cassettes

2,0 kW÷6,1 kW

MAXA hydronic cassettes with brushless DC motor are designed to fully meet efficiency requirements, silence and aesthetics required by the market.

The microprocessor control ensures an accurate comfort in the environment. The modbus input allows a quick match to external BMS systems.

The small dimensions meet the installation requirements in the suspended ceilings thanks to the reduced measures of 57 x 57 cm or 84 x 84 cm in the more powerful versions.



### Unit composition

- Finned batteries for heat exchange with high efficiency and low pressure drop.
- Internal insulation with closed cells expanded enough to limit heat dispersion and noise emissions to a minimum.
- Automatic fins adjustment.
- Build-in Drain water pump for lifting the condensing up to a maximum of 500 mm.

### KIT VALVOLE

- 3V2C** 2 pipes 3 way valve kit (HCA 22-29-35-42)
- 3V2CG** 2 pipes 3 way valve kit (Necessary for HCA 60)
- 3V4C** 4 pipes 3 way valve kit (HCA 22-35-50)
- 3V4CG** 4 pipes 3 way valve kit (Necessary for HCA 60)

### Kit valves for systems with modulating pump

- 2V2C** 2 pipes 2 way valve kit (HCA 22-29-35-42)
- 2V2CG** 2 pipes 2 way valve kit (HCA 60)
- 2V4C** 4 pipes 2 way valve kit (HCA 35-50)
- 2V4CG** 4 pipes 2 way valve kit (HCA 60)

KIT for 3-way / 2-WAY valve

The kit, necessary for size 60, is composed by:

- a) n° 2 nipples / n° 1 nipples
- b) n° 4 o-ring / n° 2 o-ring
- c) n° 2 copper joints / n° 1 copper joints
- d) n° 13 way valve - 4 connections / n° 12 way valve - 2 connections
- e) n° 1 ON / OFF actuators / n° 1 ON / OFF actuators



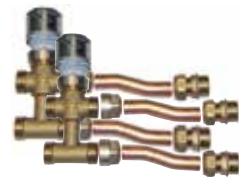
2V4C/2V4CG



3V4C



3V2C/3V2CG



3V4CG

### Accessories

#### WRC11

Multi functions accessory compact wired controller

#### WRC16

It can connect up to 16 indoor units with a single wire controller through XYE ports

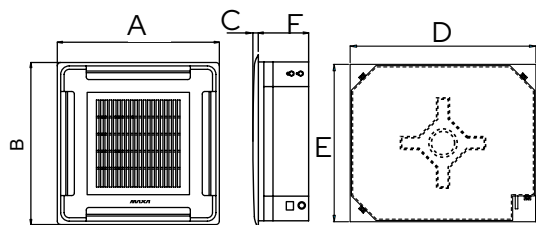
### Versions

#### HCA1

Cassette for 2-pipe systems with electronic control and wireless controller

#### HCA1/4

Cassette for 4-pipe systems with electronic control and wireless controller



Dimensions		HCA1 22	HCA1 29	HCA1 35 HCA1/4 35	HCA1 42 HCA1/4 50	HCA1 60 HCA1/4 60
A	mm	647	647	647	647	950
B	mm	647	647	647	647	950
C	mm	50	50	50	50	45
D	mm	575	575	575	575	840
E	mm	575	575	575	575	840
F	mm	261	261	261	261	300
Weight	kg	19	19	19	19	33,5

HCA1		22	29	35	42	60
(1) Cooling capacity	W	2.000	2.980	3.960	4.200	6.120
	BTU/h	6.826	10.171	13.515	14.335	20.888
Water flow rate	m³/h	0,35	0,53	0,7	0,75	1,1
(1) Power input	W	5	15	28	43	75
	BTU/h	2.240	2.610	4.630	4.950	6.270
(2) Heating capacity	W	7.645	8.908	15.802	16.894	21.400
	BTU/h	7.645	8.908	15.802	16.894	21.400
Water flow rate	m³/h	0,35	0,53	0,7	0,75	1,1
(2) Power input	W	5	15	28	33	76
Sound pressure max - med - min (3)	dB(A)	39/33/27	39/33/27	42/36/30	43/38/32	44/40/34
Sound power max - med - min (3)	dB(A)	51/45/39	51/45/39	54/48/42	55/50/44	-
Air flow	m³/h	322	535	719	781	1229
Fan type	centrifugal blade forward					
No. of rows	2					
Electric motor	DC					

HCA1/4		35	50	60
(1) Cooling capacity	W	3.080	3.050	5.620
	BTU/h	10.512	10.410	19.181
Water flow rate	m³/h	0,56	0,54	1,04
(1) Power input	W	37	32	60
	BTU/h	5.520	5.970	7.660
(2) Heating capacity	W	18.840	20.376	26.144
	BTU/h	18.840	20.376	26.144
Water flow rate	m³/h	0,42	0,46	0,73
(2) Power input	W	28	32	61
Sound pressure max - med - min (3)	dB(A)	42/35/30	44/39/31	44/39/33
Air flow	m³/h	723	731	1389
Fan type	centrifugal blade forward			
No. of rows (cold/hot)	4/3		4/3	9/3
Electric motor	DC			

- (1) Entering air temperature: 27°C d.b./19,5°C w.b. maximum speed  
In/Out water temperature: 7°C / 12°C maximum speed
- (2) Entering air temperature: 20°C d.b. maximum speed  
In water temperature: 50°C maximum speed
- (3) At a distance of 1 m and with reverberation time of 0.5 s. maximum speed