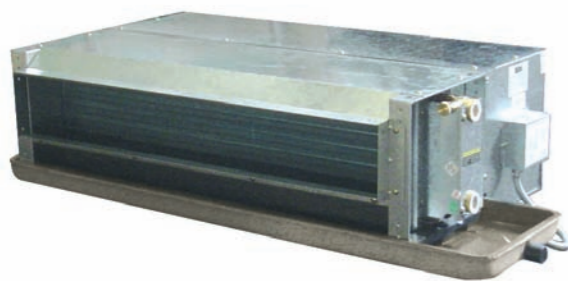


# MCW - Ceiling concealed

FAN COILS



Cooling capacity: 2,20 kW ÷ 9,80 kW  
Heating capacity: 2,40 kW ÷ 12,2 kW



## GENERAL CHARACTERISTICS

- Wide capacity range
- Available ESP (External Static Pressure) 30 Pa
- Multiple rooms can be cooled by just 1 unit of MCW
- Simple design with easy serviceability feature
- Extremely low height of unit - 249 mm for complete range
- Water piping connection can be easily converted from one side to the other
- Fan motor assembly is not cased, allowing free return or back return or bottom return with optional return plenum
- Availability of 4 pipes MCW series

## STANDARD OPTION

- Extended drain to receive the condensate water dripping from the water piping connection

## OPTIONS ON REQUEST

- Electronic controls**
  - **AC8100; AC8000-NIM** for wall mounted installation:
    - DISPLAY LCD
    - KEYBOARD
  - **AC500B22** electromechanical control for 2 & 4 pipe systems
- Valves kit** (standard condensate drain pan), 3 ways

# MCW - Ceiling concealed

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## TECHNICAL DATA MCW - Ceiling concealed

MCW - 2 PIPE		200C	300C	400C	600C	800C	1000C	1200C
Nominal Air Flow (super high/high/medium/low)	m³/h	327/307	572/456	710/541	1000/785	1264/1018	1436/1234	1785/1500
		269/246	380/290	475/445	630/510	863/717	1115/805	1298/1106
Available External Static Pressure	Pa	30	30	30	30	30	30	30
Total Cooling Capacity¹	kW	2,20	3,40	4,20	6,10	7,10	8,20	9,80
Total Sensible Capacity¹	kW	1,50	2,50	3,30	4,70	5,60	6,50	7,70
Heating Capacity²	kW	2,40	4,10	5,40	7,30	8,80	10,2	12,2
Water Flow Rate (cooling)	l/s	0,106	0,162	0,201	0,288	0,337	0,388	0,464
Water Pressure Drop - (cooling)	kPa	13	13	19	34	15	15	26
Sound Pressure Level³	dB(A)	38/36/32/31	42/40/37/35	41/37/33/32	43/40/38/36	43/40/38/36	46/43/41/39	46/44/41/39
Power Input⁴	kW	0,039	0,062	0,079	0,107	0,148	0,165	0,215
Standard Voltage	V/ph/Hz	220-240/1/50						
Water Connections	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Condensate Drain Connections	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

### NOTES:

- At the following nominal conditions: nominal air flow; 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; Super high speed
- At the following nominal conditions: nominal air flow 50°C inlet water temperature; 20°C inlet air temperature; same water flow as for cooling; Super high speed
- At Super-high/High/Medium/Low speed; nominal air flow, with plenum and filter
- At Super-high speed

MCW - 4 PIPE		200H	300H	400H	600H	800H	1000H	1200H
Nominal Air Flow (super high/high/medium/low)	m³/h	314/290	529/422	671/536	1004/811	1194/963	1346/1154	1674/1406
		257/241	338/298	494/460	725/653	856/700	1039/743	1200/1069
Available External Static Pressure	Pa	30	30	30	30	30	30	30
Total Cooling Capacity¹	kW	2,20	3,20	4,10	6,10	6,80	7,80	9,40
Total Sensible Capacity¹	kW	1,40	2,40	3,10	4,70	5,40	6,10	7,30
Heating Capacity²	kW	2,70	4,10	5,30	7,70	8,50	9,50	11,7
Water Flow Rate (cooling)	l/s	0,102	0,153	0,194	0,289	0,324	0,373	0,446
Water Pressure Drop - (cooling)	kPa	12	11	18	34	14	14	24
Sound Pressure Level³	dB(A)	38/35/33/31	42/40/37/35	41/38/34/33	43/40/38/36	44/40/38/36	46/43/41/39	47/44/42/40
Power Input⁴	kW	0,040	0,057	0,072	0,106	0,137	0,160	0,203
Standard Voltage	V/ph/Hz	220-240/1/50						
Water Connections	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Condensate Drain Connections	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

### NOTES:

- At the following nominal conditions: nominal air flow; 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; Super high speed
- At the following nominal conditions: nominal air flow 70/60°C inlet/outlet water temperature; 20°C inlet air temperature; Super high speed
- At Super-high/High/Medium/Low speed; nominal air flow, 1 m below the unit (according to JB/T 4283-91)
- At Super-high speed

Weight and dimensions		200C/H	300C/H	400C/H	600C/H	800C/H	1000C/H	1200C/H
Shipping weight C/H	kg	20/22	23/27	28/31	33/36	44/48	48/52	50/56
(A) Length	mm	814	984	1114	1314	1564	1664	1924
(B) Width	mm	590	590	590	590	590	590	590
(C) Height	mm	249	249	249	249	249	249	249

