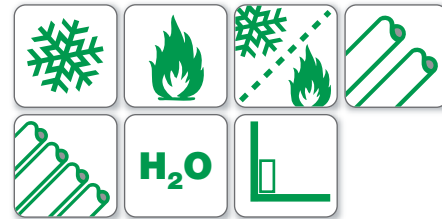


# MF - Vertical

FAN COILS



Cooling capacity: 1,20 kW ÷ 8,30 kW  
Heating capacity: 2,20 kW ÷ 13,0 kW



## GENERAL CHARACTERISTICS

- 8 sizes available, with cabinet for floor or wall installation and chassis for concealed installations. The units are available in the 2-pipe version with 3 or 4-row coil or in the 4-pipe version with 3+1 row coil
- Cover and grills are manufactured in ABS, RAL 1013; the cabinet is made of pre-painted sheet metal finished with high quality paint
- The G1 filter grants a filtration surface up to 60% greater than traditional filters resulting in lower pressure drop and reduced noise emission
- Left or right hand water connections, which can be easily switched in the field if required, connections are equipped with air vents and drainage valves

## STANDARD OPTION

- The **AC2800B** electronic controller (standard for unit with cabinet) allows the regulation of all unit functions and operating modes

## OPTIONS ON REQUEST

- Electronic controls**
  - AC2800A** electronic controller allows the regulation of all unit functions and operating modes, and is compatible for connection into a network for Master & Slave configuration for up to **16 units**. Through the **AC2800A** units can also be directly integrated with **Smart Manager**. With reference to Fan Coils, Smart Manager can control and monitor up to **256 units**
  - AC8100; AC8000-NIM** for wall mounted installation:
    - DISPLAY LCD
    - KEYBOARD
  - AC500B22** electromechanical control for 2 & 4 pipe systems
- Valves kit** (standard condensate drain pan), 2 or 3 ways
- Feet** (cover and/or support)

# MF - Vertical

FAN COIL

## TECHNICAL DATA MF - Vertical

MF - 2 PIPE SYSTEM / 3 - ROW COIL		012 C	020 C	025 C	035 C	050 C	060 C	080 C	090 C
Nominal Air Flow (High/Medium/Low)	m³/h	290/245/197	380/296/210	497/349/260	705/565/400	853/695/465	1141/969/705	1360/1063/824	1500/1368/1190
Total Cooling Capacity <sup>1</sup>	kW	1,30	1,80	2,70	3,60	4,80	5,90	6,90	8,00
Total Sensible Capacity <sup>1</sup>	kW	1,00	1,50	1,90	2,60	3,60	4,60	5,30	5,80
Heating Capacity <sup>2</sup>	kW	2,20	2,70	3,60	4,80	6,20	8,10	10,50	12,00
Water Flow Rate (cooling)	l/s	0,063	0,085	0,129	0,170	0,227	0,282	0,358	0,347
Water Pressure Drop (cooling)	kPa	4	5	10	16	28	33	18	20
Sound Pressure Level <sup>3</sup>	dB(A)	38/35/33	42/37/32	42/35/32	48/44/39	47/39/31	53/48/41	51/47/40	53/51/47
Power Input <sup>5</sup>	kW	0,024	0,044	0,044	0,059	0,068	0,102	0,147	0,167
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"	3/4"
Condensate Drain Connections	mm	20	20	20	20	20	20	20	20

MF - 2 PIPE SYSTEM / 4 - ROW COIL		412 C	420 C	425 C	435 C	450 C	460 C	480 C	490 C
Nominal Air Flow (High/Medium/Low)	m³/h	254/215/176	369/321/240	445/330/250	677/545/380	811/663/456	1068/915/672	1300/1165/908	1450/1288/1120
Total Cooling Capacity <sup>1</sup>	kW	1,50	2,70	3,10	4,60	5,30	6,40	7,10	8,30
Total Sensible Capacity <sup>1</sup>	kW	1,10	1,70	2,10	2,80	3,70	5,00	5,50	5,80
Heating Capacity <sup>2</sup>	kW	2,30	2,80	4,20	5,30	6,80	8,40	11,0	12,5
Water Flow Rate (cooling)	l/s	0,073	0,098	0,149	0,193	0,251	0,304	0,397	0,409
Water Pressure Drop (cooling)	kPa	4	5	10	14	21	20	18	17
Sound Pressure Level <sup>3</sup>	dB(A)	38/36/33	42/37/32	41/34/32	47/43/38	47/39/31	53/48/41	51/47/40	53/50/47
Power Input <sup>5</sup>	kW	0,021	0,050	0,051	0,056	0,077	0,107	0,143	0,167
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"	3/4"
Condensate Drain Connections	mm	20	20	20	20	20	20	20	20

MF - 4 PIPE		012 H	020 H	025 H	035 H	050 H	060 H	080 H	090 H
Nominal Air Flow (High/Medium/Low)	m³/h	254/215/176	369/321/240	445/330/250	677/545/380	811/663/456	1068/915/672	1300/1165/824	1450/1248/1078
Total Cooling Capacity <sup>1</sup>	kW	1,20	1,80	2,50	3,50	4,60	5,70	6,90	8,00
Total Sensible Capacity <sup>1</sup>	kW	0,90	1,40	1,70	2,50	3,40	4,40	4,90	5,20
Heating Capacity <sup>4</sup>	kW	2,30	2,90	4,30	5,60	7,00	8,60	12,0	13,0
Water Flow Rate (cooling)	l/s	0,057	0,084	0,118	0,165	0,219	0,271	0,320	0,345
Water Pressure Drop (cooling)	kPa	4	5	8	15	26	16	15	17
Sound Pressure Level <sup>3</sup>	dB(A)	38/36/33	42/37/32	41/34/32	47/43/38	47/39/31	53/48/41	51/47/40	53/50/47
Power Input <sup>5</sup>	kW	0,021	0,050	0,051	0,056	0,077	0,107	0,140	0,161
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"	3/4"
Condensate Drain Connections	mm	20	20	20	20	20	20	20	20

### 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; 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; High speed
- At High/Medium/Low speed; nominal air flow; measured in a room of 100 m³ volume and 0.5 sec. reverberation time (e.g. office/conference room with carpet on the floor)
- At the following nominal conditions: nominal air flow 70/60°C inlet/outlet water temperature; 20°C inlet air temperature; same water flow as for cooling; High speed
- High speed

Weight and dimensions		012 / 412	020 / 420	025 / 425	035 / 435	050 / 450	060 / 460	080 / 480	090 / 490
Weight 2Pipe - 3Row	kg	20	24	29	32	35	45	45	45
Weight with cabinet 2Pipe - 3Row	kg	22	29	35	38	42	52	52	52
Weight 2&4Pipe - 4Row	kg	24	28	34	37	40	50	50	50
Weight with cabinet 2&4Pipe - 4Row	kg	26	31	37	40	44	54	54	54
Dimens. unit (A x B x C)	mm	704 x 224 x 540	904 x 224 x 540	1104 x 224 x 540	1304 x 224 x 540	1504 x 224 x 540	1704 x 224 x 540	1904 x 224 x 540	2104 x 224 x 540
Dimension with cabinet (A x B x C)	mm	910 x 230 x 539	1110 x 230 x 539	1310 x 230 x 539	1510 x 230 x 539	1710 x 230 x 539	1910 x 230 x 539	2110 x 230 x 539	2310 x 230 x 539

