

FAN COILS

MF - Vertical

FAN COILS



Cooling capacity: 1,2 kW ÷ 8,3 kW
Heating capacity: 2,2 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 filter material grade is G1 and thanks to its pleated surface 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

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** and **120 zones**.
 - **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)

STANDARD OPTION

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

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)	m ³ /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 ¹	kW	1,3	1,8	2,7	3,6	4,8	5,9	6,9	8,0
Total Sensible Capacity ¹	kW	1,0	1,5	1,9	2,6	3,6	4,6	5,3	5,8
Heating Capacity ²	kW	2,2	2,7	3,6	4,8	6,2	8,1	10,5	12,0
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 ³	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 ⁵	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

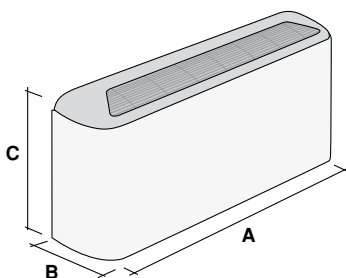
MF - 2 PIPE SYSTEM / 4 - ROW COIL		412 C	420 C	425 C	435 C	450 C	460 C	480 C	490 C
Nominal Air Flow (High/Medium/Low)	m ³ /h	254/215/176	369/321/240	445/330/250	677/545/380	811/663/456	1068/915/672	1300/1165/908	1450/1288/1120
Total Cooling Capacity ¹	kW	1,5	2,7	3,1	4,6	5,3	6,4	7,1	8,3
Total Sensible Capacity ¹	kW	1,1	1,7	2,1	2,8	3,7	5,0	5,5	5,8
Heating Capacity ²	kW	2,3	2,8	4,2	5,3	6,8	8,4	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 ³	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 ⁵	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)	m ³ /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 ¹	kW	1,2	1,8	2,5	3,5	4,6	5,7	6,9	8,0
Total Sensible Capacity ¹	kW	0,9	1,4	1,7	2,5	3,4	4,4	4,9	5,2
Heating Capacity ²	kW	2,3	2,9	4,3	5,6	7,0	8,6	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 ³	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 ⁵	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:

- (1) 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
- (2) At the following nominal conditions: nominal air flow 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling; High speed
- (3) At High/Medium/Low speed; nominal air flow; measured in a room of 100 m volume and 0.5 sec. reverberation time
(e.g. office/conference room with carpet on the floor)
- (4) At the following nominal conditions: nominal air flow 70/60°C inlet/outlet water temperature; 20°C inlet air temperature; same water flow as or cooling; High speed
- (5) 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	24	26	26	35	35	45
Weight with cabinet 2Pipe - 3Row	kg	22	29	29	32	32	45	45	55
Weight 2&4Pipe - 4Row	kg	24	28	28	30	30	35	35	45
Weight with cabinet 2&4Pipe - 4Row	kg	26	31	31	35	35	45	45	55
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	
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	



MCK - Cassette

FAN COILS



Cooling capacity: 2,64 kW ÷ 10,8 kW
Heating capacity: 3,42 kW ÷ 13,8 kW



GENERAL CHARACTERISTICS

- 3 range of ceiling cassette:
 - MCK-CW - 570 mm (w) x 570 mm (l)
 - MCK-AW/AWH - 820 mm (w) x 820 mm (l)
- 4 way air discharge to provide better air distribution to room
- Automatic air swing
- 4 pipes system available for models MCK020÷050AWH
Easy servicing and maintenance
- Condensate water up to 700 mm high
- Able to communicate with the versatile NIM
- Self diagnosis feature
- Wireless G17 control mode: selection, fan speed, 24 hours real timers

OPTIONS ON REQUEST

- **Electronic controls** for wall mounted installation:
 - SLM3
 - NETWARE3
- **Valve kit**, 3 ways

TECHNICAL DATA MCK - Cassette

MCK		010CW	015CW	020CW
Nominal Air Flow	m ³ /h	662/630/594	662/630/594	731/695/662
Total Cooling Capacity ¹	kW	2,64	4,40	4,44
Total Sensible Capacity ¹	kW	2,05	3,22	3,52
Heating Capacity ²	kW	3,42	5,48	5,73
Water Flow Rate (cooling)	l/s	0,111	0,195	0,203
Water Pressure Drop (cooling)	kPa	67,3	68,6	46,6
Sound Pressure Level ³	dB(A)	44/43/42	44/42/41	47/46/44
Power Input ⁴	kW	0,056	0,075	0,074
Current Input ⁴	A	0,22	0,30	0,34
Standard Voltage	V/ph/Hz	220-240/1/50		
Water Connections	inches	3/4"	3/4"	3/4"
Condensate Drain Connections	mm	19	19	19

NOTES:

- (1) At the following nominal conditions: 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; high speed
- (2) At the following nominal conditions: 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling; high speed
- (3) Sound pressure levels are tested at 1.4m below the centre of the unit (according to JIS C 9612 standard)
- (4) High speed

Weight and dimensions		010CW	015CW	020CW
Shipping weight (unit + panel)	kg	22+2	23+2	23+2
(A) Length	mm	570	570	570
(B) Width	mm	570	570	570
(C) Height	mm	250	250	250

MCK - Cassette

FAN COILS

TECHNICAL DATA MCK - Cassette

MCK 2 PIPE		020AW	025AW	030AW	040AW	050AW
Nominal Air Flow	m ³ /h	1310/1130/1069	1379/1180/1069	1558/1321/1209	1738/1530/1339	1839/1681/1540
Total Cooling Capacity ¹	kW	6,62	7,50	8,80	9,95	10,8
Total Sensible Capacity ¹	kW	4,90	5,40	6,40	7,10	7,70
Heating Capacity ²	kW	8,40	9,50	11,0	12,0	12,9
Water Flow Rate (cooling)	l/s	0,316	0,358	0,421	0,475	0,516
Water Pressure Drop (cooling)	kPa	24,8	30,8	41,6	52,2	69,3
Sound Pressure Level ³	dB(A)	42/39/37	45/42/40	49/45/43	51/48/46	53/52/50
Power Input ⁴	kW	0,130	0,150	0,160	0,190	0,250
Current Input ⁴	A	0,52	0,64	0,68	0,79	1,06
Standard Voltage	V/ph/Hz	220-240/1/ 50				
Water Connections	inches	3/4"	3/4"	3/4"	3/4"	3/4"
Condensate Drain Connections	mm	19	19	19	19	19

NOTES:

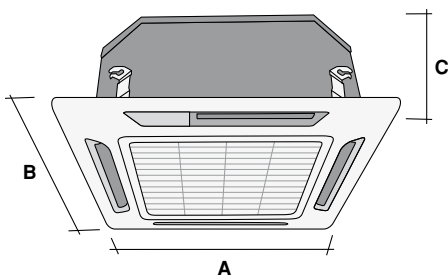
- (1) At the following nominal conditions: 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; high speed
- (2) At the following nominal conditions: 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling; high speed
- (3) Sound pressure levels are tested at 1.4 m below the centre of the unit (according to JIS C 9612 standard) - MCK 020AW - MCK 025AW and 1.5 m below the centre of the unit (according to JIS B8615) - MCK 030AW - MCK 040AW - MCK 050AW
- (4) High speed

MCK 4 PIPE		020AWH	025AWH	030AWH	040AWH	050AWH
Nominal Air Flow	m ³ /h	1310/1130/1069	1379/1180/1069	1558/1321/1209	1738/1530/1339	1839/1681/1540
Total Cooling Capacity ¹	kW	3,81	3,96	4,63	5,01	5,16
Total Sensible Capacity ¹	kW	3,40	3,52	4,07	4,40	4,54
Heating Capacity ²	kW	10,6	11,0	12,5	13,5	13,8
Water Flow Rate (cooling)	l/s	0,182	0,189	0,221	0,239	0,246
Water Pressure Drop (cooling)	kPa	3,56	3,78	4,96	5,70	5,96
Sound Pressure Level ³	dB(A)	42/39/37	45/42/40	49/45/43	51/48/46	53/52/50
Power Input ⁴	kW	0,122	0,138	0,153	0,184	0,232
Current Input ⁴	A	0,53	0,61	0,67	0,80	1,02
Standard Voltage	V/ph/Hz	220-240/1/50				
Water Connections	inches	3/4"	3/4"	3/4"	3/4"	3/4"
Condensate Drain Connections	mm	19	19	19	19	19

NOTES:

- (1) At the following nominal conditions: 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; high speed
- (2) At the following nominal conditions: 70/60°C inlet/outlet water temperature; 20°C inlet air temperature; high speed
- (3) Sound pressure levels are tested at 1.4 m below the centre of the unit (according to JIS C 9612 standard) - MCK 020 AWH - MCK 025 AWH and 1.5 m below the centre of the unit (according to JIS B8615) - MCK 030AWH - MCK 040AWH - MCK 050AWH
- (4) High speed

Weight and dimensions		020AW/AWH	025AW/AWH	030AW/AWH	040AW/AWH	050AW/AWH
Shipping weight (unit + panel)	kg	31+4	32+4	35+4	38+4	40+4
(A) Length	mm	820	820	820	820	820
(B) Width	mm	820	820	820	820	820
(C) Height	mm	305	305	305	305	305



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
- ESP at 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

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

STANDARD OPTION

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

MCW - Ceiling concealed

FAN COILS

TECHNICAL DATA MCW - Ceiling concealed

MCW - 2 PIPE		200C	300C	400C	600C	800C	1000C	1200C
Nominal Air Flow (super high/high/medium/low)	m ³ /h	327/307 269/246	572/456 380/290	710/541 475/445	1000/785 630/510	1264/1018 863/717	1436/1234 1115/805	1785/1500 1298/1106
Available External Static Pressure	Pa	30	30	30	30	30	30	30
Total Cooling Capacity ¹	kW	2,20	3,40	4,20	6,10	7,10	8,20	9,80
Total Sensible Capacity ¹	kW	1,50	2,50	3,30	4,70	5,60	6,50	7,70
Heating Capacity ²	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 Level ³	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 Input ⁴	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:

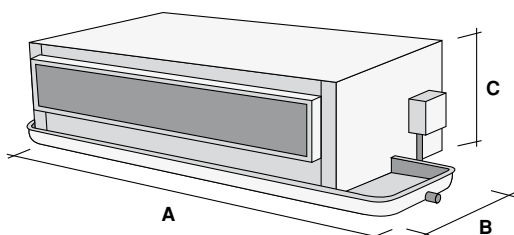
- (1) At the following nominal conditions: nominal air flow; 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; Super high speed
- (2) At the following nominal conditions: nominal air flow 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling;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

MCW - 4 PIPE		200H	300H	400H	600H	800H	1000H	1200H
Nominal Air Flow (super high/high/medium/low)	m ³ /h	314/290 257/241	529/422 338/298	671/536 494/460	1004/811 725/653	1194/963 856/700	1346/1154 1039/743	1674/1406 1200/1069
Available External Static Pressure	Pa	30	30	30	30	30	30	30
Total Cooling Capacity ¹	kW	2,20	3,20	4,10	6,10	6,80	7,80	9,40
Total Sensible Capacity ¹	kW	1,40	2,40	3,10	4,70	5,40	6,10	7,30
Heating Capacity ²	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 Level ³	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 Input ⁴	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:

- (1) 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
- (2) At the following nominal conditions: nominal air flow 70/60°C inlet/outlet water temperature; 20°C inlet air temperature; Super high speed
- (3) At Super-high/High/Medium/Low speed; nominal air flow, 1 m below the unit (according to JB/T 4283-91)
- (4) 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



MCC - Ceiling concealed ducted

FAN COILS

Cooling capacity: 2,90 kW ÷ 15,8 kW
Heating capacity: 3,37 kW ÷ 19,6 kW



GENERAL CHARACTERISTICS

- 4 speed fan motor
- Mode selection, fan speed selection
- Able to communicate with the versatile NIM
- Self diagnosis feature
- Electronic control SLM 3 for wall mounted installation

OPTIONS ON REQUEST

- **Electronic control** for wall mounted installation:
 - NETWORK3
- **Valve kit**, 2 or 3 ways

TECHNICAL DATA MCC - Ceiling concealed ducted

MCC		010CW	015CW	020CW	025CW	030CW	040CW	050CW	060CW
Nominal Air Flow (super high/high/medium/low)	m ³ /h	-/511 443/374	-/868 749/612	-/1188 1156/1055	-/1242 1224/986	(1530)/1411 1292/1206	(1868)/1800 1681/1530	(2700)/2344 2174/2056	(2804)/2599 2430/2192
Available External Static Pressure ⁴	Pa	49	49	69	59	167	176	156	156
Total Cooling Capacity ¹	kW	2,90	3,40	5,28	6,59	8,21	11,1	13,8	15,8
Total Sensible Capacity ¹	kW	2,05	3,10	3,69	4,62	5,83	7,80	9,64	11,1
Heating Capacity ²	kW	3,37	4,40	6,74	8,50	10,6	13,5	16,7	19,6
Water Flow Rate (cooling)	l/s	0,133	0,160	0,252	0,314	0,391	0,533	0,656	0,755
Water Pressure Drop (cooling)	kPa	11	24	20	32	15	21	41	8
Sound Pressure Level ³	dB(A)	33/30/26	37/34/29	38/36/34	40/39/36	(49)/46/42/38	(51)/49/45/41	(53)/52/50/47	(53)/52/50/47
Power Input ⁴	kW	0,068	0,097	0,141	0,165	0,401	0,448	0,510	0,562
Current Input ⁴	A	0,30	0,42	0,64	0,73	1,87	2,00	2,26	2,47
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	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

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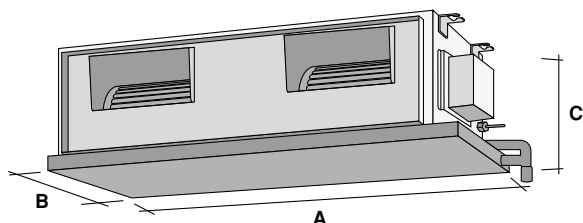
(1) At the following nominal conditions: 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; high speed

(2) At the following nominal conditions: 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling; high speed - MCC 010CW - MCC 015CW - MCC 020CW - MCC 025CW and 70/65°C inlet/outlet water temperature; 20°C inlet air temperature; high speed - MCC 030CW - MCC 040CW - MCC 050CW - MCC 060CW

(3) Sound pressure levels are tested at 1.4m below the centre of the unit, with 2m length duct at the air discharge outlet and air return inlet (according to GB/D17758)

(4) High speed

Weight and dimensions		010CW	015CW	020CW	025CW	030CW	040CW	050CW	060CW
Shipping weight	kg	17	21	22	25	39	42	54	63
(A) Length	mm	765	905	1065	1200	929	1045	1299	1299
(B) Width	mm	411	411	411	411	541	541	541	541
(C) Height	mm	261	261	261	261	379	378	378	378



MDB - Large ducted

FAN COILS



Cooling capacity: 22,2 kW ÷ 44,0 kW
Heating capacity: 22,9 kW ÷ 49,8 kW



GENERAL CHARACTERISTICS

- High air flow and high external static pressure, enables adequate distribution of air to the desired space
- Multiple rooms can be cooled by just 1 unit
- Simple design with easy serviceability feature
- The robust unit is designed with durability and reliability

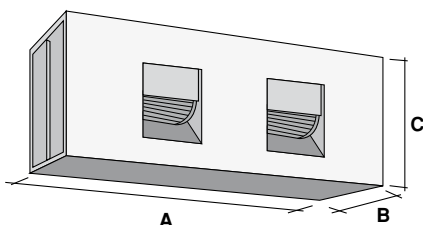
TECHNICAL DATA MDB - Large ducted

MDB		075BW	100BW	125BW	150BW
Nominal Air Flow	m ³ /h	4248	5436	7135	7815
Available External Static Pressure	Pa	100	100	149	100
Total Cooling Capacity ¹	kW	22,2	27,8	36,6	44,0
Total Sensible Capacity ¹	kW	16,5	20,3	26,4	31,2
Heating Capacity ²	kW	22,9	28,6	40,5	49,8
Water Flow Rate (cooling)	l/s	1,058	1,330	1,750	2,100
Water Pressure Drop (cooling)	kPa	35	42	49	53
Sound Pressure Level ³	dB(A)	56	57	58	59
Power Input	kW	0,810	1,781	1,550	1,620
Current Input	A	3,7	7,68	2,95	3,1
Standard Voltage	V/ph/Hz	220-240/1/50		380-415/3/50	
Water Connections	inches	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Condensate Drain Connections	inches	1"	1"	1"	1"

NOTES:

- (1) At the following nominal conditions: 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; high speed
- (2) At the following nominal conditions: 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling; high speed
- (3) Sound pressure levels are tested at 1.4m below the unit (free return and the discharge air was ducted to adjacent room)

Weight and dimensions		075BW	100BW	125BW	150BW
Shipping weight	kg	96	100	140	145
(A) Length	mm	1502	1502	1640	1640
(B) Width	mm	761	761	1040	1040
(C) Height	mm	572	572	885	885



MWM - Wall mount

FAN COILS



Cooling capacity: 2,34 kW ÷ 5,28 kW
Heating capacity: 3,02 kW ÷ 6,74 kW



GENERAL CHARACTERISTICS

- Slim and compact
- Wide capacity range
- Wide air flow range
- Able to communicate with the versatile NIM
- Light weight
- Detachable and washable air intake grille
- Self diagnosis features
- Automatic air swing
- Wireless G17 control: mode selection, fan speed, 24 hours real timers

OPTIONS ON REQUEST

- **Electronic controls** for wall installation:
 - SLM 3
 - NETWARE 3
- **Valve kit**, 2 ways

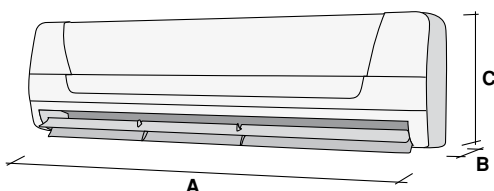
TECHNICAL DATA MWM - Wall mount

MWM		007GW	010GW	015GW	020GW	025GW
Nominal Air Flow (High/Medium/Low)	m ³ /h	468/382/299	511/425/338	587/486/374	1069/832/749	1123/986/799
Total Cooling Capacity ¹	kW	2,34	2,78	3,22	4,54	5,28
Total Sensible Capacity ¹	kW	1,74	2,03	2,35	3,65	4,33
Heating Capacity ²	kW	3,02	3,75	4,10	6,01	6,74
Water Flow Rate (cooling)	l/s	0,111	0,133	0,152	0,216	0,252
Water Pressure Drop (cooling)	kPa	48,3	64,7	76,7	50,3	69,3
Sound Pressure Level ³	dB(A)	40/35/29	39/34/28	42/36/29	49/44/42	49/47/45
Power Input ⁴	kW	0,240	0,250	0,290	0,660	0,690
Current Input ⁴	A	0,11	0,11	0,13	0,29	0,30
Standard Voltage	V/ph/Hz	220-240/1/50				
Water Connections	inches	1/2"	1/2"	1/2"	1/2"	1/2"
Condensate Drain Connections	mm	16	16	16	20	20

NOTES:

- (1) At the following nominal conditions: 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; high speed
- (2) At the following nominal conditions: 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling; high speed
- (3) At High/Medium/Low speed; position of the measurement point 1 m in front of the unit and 0.8 m below the unit (according to JIS C9612)
- (4) High speed

Weight and dimensions		007GW	010GW	015GW	020GW	025GW
Shipping weight	kg	10	12	12	16	16
(A) Length	mm	799	899	899	1062	1062
(B) Width	mm	198	198	198	222	222
(C) Height	mm	260	260	260	304	304



MCM - Ceiling convertible

FAN COILS



Series EW



Series DW

Cooling capacity: 4,54 kW ÷ 13,2 kW
Heating capacity: 5,72 kW ÷ 15,1 kW



GENERAL CHARACTERISTICS

- Ceiling Convertible feature offers flexibility on installation
- 2 way air discharge ensure better air distribution
- Automatic Air swing (MCM-DW)
- Able to communicate with the versatile NIM for fan coil units networking
- Self diagnosis feature
- Wireless G17 control: mode selection, fan speed, 24 hours real timers

OPTIONS ON REQUEST

- **Electronic controls** for wall installation:
 - SLM 3
 - NETWARE 3

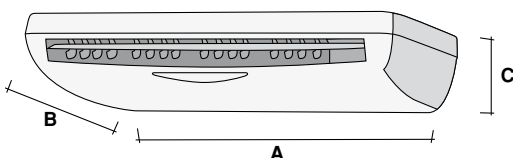
TECHNICAL DATA MCM - Ceiling convertible

MCM		015EW	020EW	025EW	030DW	040DW	050DW
Nominal Air Flow (High/Medium/Low)	m ³ /h	850/763/680	986/901/833	1775/1652/1530	1184/1170/1102	1620/1541/1512	1800/1750/1620
Total Cooling Capacity ¹	kW	4,54	5,95	6,15	7,21	9,41	13,2
Total Sensible Capacity ¹	kW	3,72	4,52	4,73	5,19	7,50	9,20
Heating Capacity ²	kW	5,72	7,33	8,21	8,70	12,4	15,1
Water Flow Rate (cooling)	l/s	0,216	0,283	0,294	0,345	0,436	0,630
Water Pressure Drop (cooling)	kPa	27,4	48,1	57,1	49,4	24	37,7
Sound Pressure Level ³	dB(A)	50/43/41	53/51/49	56/51/44	51/50/48	54/53/52	54/53/52
Power Input ⁴	kW	0,100	0,110	0,110	0,130	0,240	0,240
Current Input ⁴	A	0,46	0,49	0,52	0,57	0,98	1,03
Standard Voltage	V/ph/Hz	220-240 V / 1ph / 50Hz					
Water Connections	inches	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
Condensate Drain Connections	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

NOTES:

- (1) At the following nominal conditions: 7/12°C inlet/outlet water temperature; 27°C db / 19°C wb inlet air temperature; high speed
- (2) At the following nominal conditions: 50°C inlet water temperature; 20°C inlet air temperature; same water flow as or cooling; high speed
- (3) At High/Medium/Low speed; position of the measurement point 1 m in front of the unit and 1 m below the unit (according to JIS B8615) - MCM 030/040/050 DW
- (4) High speed

Weight and dimensions		015EW	020EW	025EW	030DW	040DW	050DW
Shipping weight	kg	27	27	27	45	70	70
(A) Length	mm	1090	1090	1090	1214	1714	1714
(B) Width	mm	630	630	630	670	670	670
(C) Height	mm	213	213	213	214	249	249



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