



FAN COIL





FAN COIL

Consisting of a fan unit, a heat exchange element and a filter, fan coils are ideal machines for summer air conditioning and winter heating of any room. The new range of Technibel fancoils is the result of our experience in designing and manufacturing indoor hydronic units and innovative systems as well as adjustment concepts. Technibel fancoils can be used in a very large number of applications: from the classic service sector (office, shops, hotel) installation down to the customized residential solution. The wide range available includes:

- **CAWI:** brand new inverter cassette models, provided with a BLDC electric motor, drain pump and humidity sensor. Top choice for high performance and comfort.
- **CAW:** 4 speeds cassette models, standard high level solution in false ceiling applications. Drain pump included.
- **KPSW:** floor/ceiling models, featuring a great flexibility of installation.
- **TWN:** standard fancoil units, available with or without cabinet.
- **MPW:** high wall type, mostly use everywhere a simple and fast installation is needed.

All Technibel manufactured stand out for the quality and in the care taken in making and assembling all the components, assuring quiet operation and comfort.

A full list of accessories is available: wireless and wired controls, 3 way valves, charcoal filters, etc...



CAW

DCI

CAW, the cassette unit for dropped ceilings that we can often observe above our heads in public spaces, offices, shops and restaurants.

Unit's structure is made by galvanised steel, externally and internally insulated with heat and soundproof materials.

Now the range is available with dc inverter technology drain pump included.

Mandatory accessory: 3-way valve kit

3
4
5



Dimensions: HxLxD 296x575x575 mm
Weight: 3 | 19 kg - 4/5 | 20.5 kg

6



Dimensions: HxLxD 338x860x860 mm
Weight: 22 kg

8

10



Dimensions: HxLxD 338x860x1150 mm
Weight: 30,5 kg

UNIT

2 PIPES

CAW3P2I5AA
CAW4P2I5AA
CAW5P2I5AA
CAW6P2I5AA
CAW8P2I5AA
CAW10P2I5AA

+
+
+
+
+
+

GRID

K70N145TAA
K70N145TAA
K70N145TAA
K70N146TAA
K70N147TAA
K70N147TAA

4 PIPES

CAW3P4I5AA
CAW4P4I5AA
CAW5P4I5AA
CAW6P4I5AA

+
+
+
+

K70N145TAA
K70N145TAA
K70N145TAA
K70N146TAA

Accessories

Type		Code
3-way valve + by-pass	Cassette with pipes 1/2"	70600088
	Cassette with pipes 3/4"	70600089

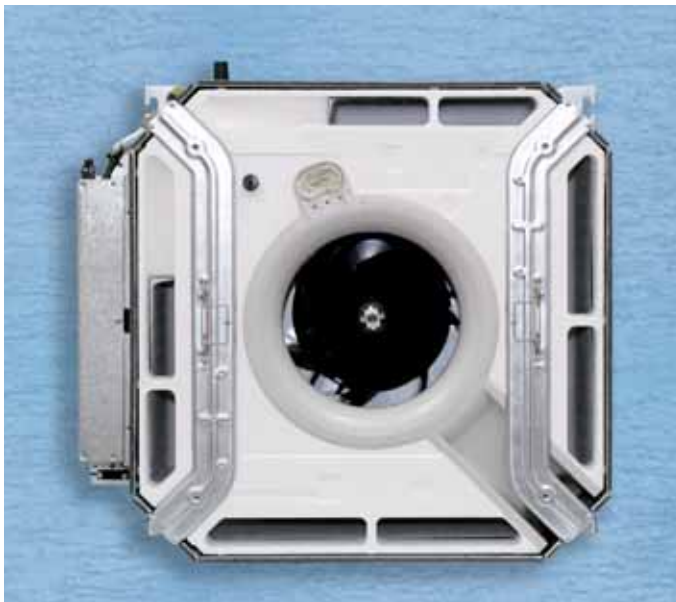
to be fitted outside the appliance during installation work - 4 pipes models need 1 valve for each exchanger



- Easy installation and discharge
- Perfect integration!



- Flocked anti-condensation flaps



- Body in anti-corrosion metal



- Simple and convenient maintenance

Wireless or wired Universal Digital Remote Control

All operating parameters can be controlled from the remote control: operating modes (auto or cooling only, heat pump only, dehumidification only, fan only), 1h and 24h timer, setpoint temperature, room temperature reading, fan speed, flap oscillation for optimum air distribution in the room and economy or night functions. Many operations can be set automatically or managed when needed.



“EASY Mode” buttons

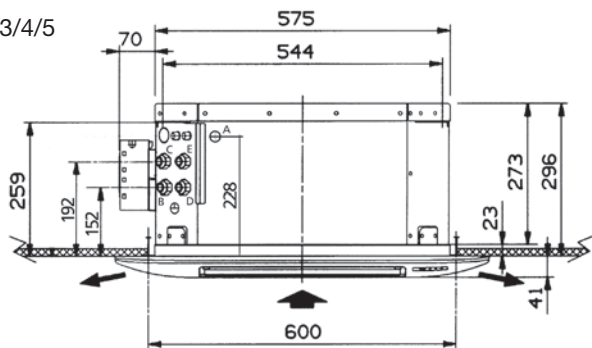
The new layout lets you simply and quickly choose the start up and the two operating modes, cooling and heating

“WIRED Mode”

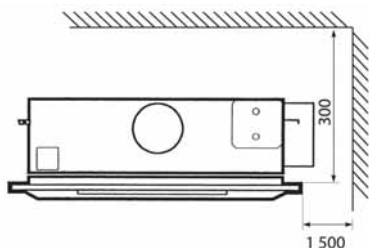
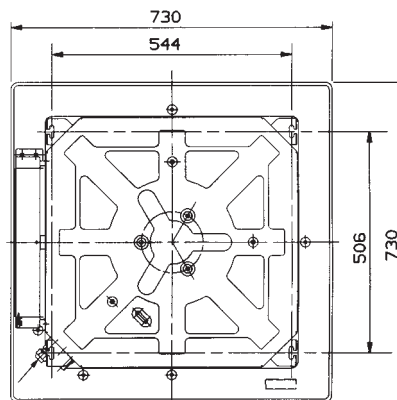
The remote control may also be used as a wired command by simply removing the protection lid and connecting the communication cable to the indoor unit.

Adjustable set point from 10° to 32° C
both in cooling and heat pump modes

CAW 3/4/5



dimensions in mm



- A Condensate connection: : Ø 10 mm
- B Main coil water inlet: : 1/2" (female)
- C Main coil water outlet: : 1/2" (female)
- D Additional coil water inlet: : 1/2" (female)
- E Additional coil water outlet: : 1/2" (female)

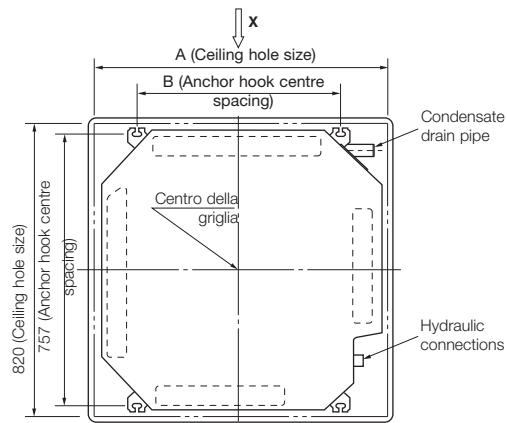
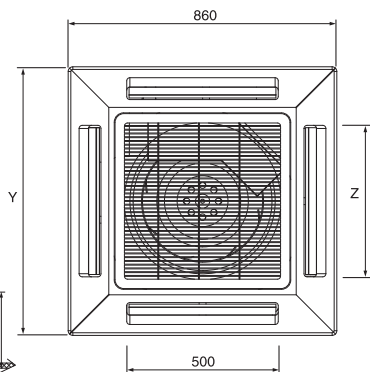
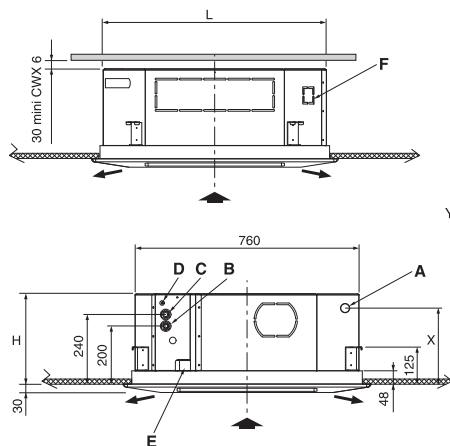
Weight when empty: 18 kg CAW 3
20 kg CAW 4/5
Grille: 3 kg

Maximum condensate pump head: 200 mm

CAW 6/8/10

	L	H	X	Y	Z
CAW 6	760	310	260	860	500
CAW 8/10	1 050	340	290	1 150	750

	CAW 6	CAW8/10	CAW 6	CAW 8/10
Unit	23 kg	29 kg	820	566
Panel/grille assembly	5 kg	7 kg	1 110	853



- A Condensate connection: Ø 32 mm outdoor
- B Water inlet: 3/4" gas female
- C Water outlet: 3/4" gas female
- D Coil air vent
- E Electrical wiring passage
- F Fresh air inlet: 60 mm x 55 mm

Maximum condensate pump head: 250 mm

Ratings and technical data of CAW fan coil units with 1 heat exchanger for 2 pipes systems													
Model	CAW3P2I				CAW4P2I				CAW5P2I				
	1	2	3	4	1	2	3	4	1	2	3	4	
Speed	water temperature 7/12°C, air temperature dry bulb 27°C, wet bulb 19°C												
Total cooling capacity	kW	1,24	2,15	2,35	2,60	1,70	3,50	4,00	4,60	2,46	3,80	4,42	5,06
Sensible cooling capacity	kW	0,92	1,78	2,00	2,23	1,15	2,63	3,06	3,56	1,82	2,87	3,33	3,80
Water flow	l/h	213	368	404	445	291	600	687	789	422	653	758	869
Pressure drop	kPa	3	8	9	11	3	11	14	17	7	14	18	23
inlet water temperature 50°C, water flow rate same as in cooling mode, air inlet temperature 20°C													
Heating capacity	kW	1,55	2,83	3,11	3,49	1,87	4,35	4,85	5,70	3,35	5,33	6,14	6,75
Pressure drop	kPa	3	7	8	10	3	10	13	17	6	14	18	23
water temperature 60/50°C, air temperature 20°C													
Heating capacity	kW	2,02	3,72	4,09	4,61	2,42	5,70	6,32	7,46	4,46	7,11	8,17	8,91
Water flow	l/h	175	323	355	400	210	495	549	648	387	617	710	774
Pressure drop	kPa	2	6	7	8	2	7	9	12	5	12	16	18
Water content	dm ³	0,43				0,86				0,86			
Air flow	m ³ /h	180	400	460	520	200	530	630	750	370	630	760	880
Power input	W	4,25	10	12,5	15	8	24	28,1	36,2	12,2	33,5	40	46,3
Sound power level (1)	dB(A)	30	41	44	46	32	48	51	55	41	53	57	61
Sound pressure level (2)	dB(A)	25	36	39	41	27	43	46	50	36	48	52	56
Water connections	inches	1/2				1/2				1/2			
Unit dimensions HxLxP	mm	273x575x575				273x575x575				273x575x575			
Grille dimensions HxLxP	mm	64x730x730				64x730x730				64x730x730			

Ratings and technical data of CAW fan coil units with 1 heat exchanger for 2 pipes systems													
Model	CAW6P2I				CAW8P2I				CAW10P2I				
	1	2	3	4	1	2	3	4	1	2	3	4	
Speed	water temperature 7/12°C, air temperature dry bulb 27°C, wet bulb 19°C												
Total cooling capacity	kW	4,20	5,00	5,40	6,00	5,50	6,50	8,00	9,10	6,23	8,09	8,90	9,92
Sensible cooling capacity	kW	3,13	3,70	3,99	4,40	4,11	5,08	6,10	6,84	4,69	6,17	6,87	7,71
Water flow	l/h	720	859	930	1029	944	1116	1373	1561	1070	1389	1529	1702
Pressure drop	kPa	16	22	25	30	21	28	41	51	27	42	50	60
inlet water temperature 50°C, water flow rate same as in cooling mode, air inlet temperature 20°C													
Heating capacity	kW	5,40	6,40	7,10	7,70	6,28	8,52	9,42	10,19	7,34	9,53	10,59	11,69
Pressure drop	kPa	15	21	25	30	21	29	39	48	26	42	49	60
water temperature 60/50°C, air temperature 20°C													
Heating capacity	kW	7,08	8,39	9,33	10,08	8,14	11,24	12,26	13,18	9,52	12,34	13,73	15,11
Water flow	l/h	615	729	810	875	707	976	1065	1145	827	1072	1192	1312
Pressure drop	kPa	12	16	19	22	12	21	24	27	16	26	31	37
Water content	dm ³	1,00				1,50				1,50			
Air flow	m ³ /h	850	1060	1160	1300	830	1190	1270	1400	1200	1700	1980	2300
Power input	W	13	20	25	41	15	22	41	55	22	36	43	64
Sound power level (1)	dB(A)	43	48	49	51	37	46	50	53	43	49	53	57
Sound pressure level (2)	dB(A)	38	43	44	46	32	41	45	48	38	44	48	52
Water connections	inches	3/4				3/4				3/4			
Unit dimensions HxLxP	mm	273x766x766				290x1066x766				290x1066x766			
Grille dimensions HxLxP	mm	64x860x860				64x1150x860				64x1150x860			

Ratings and technical data of CAW fan coil units with 2 heat exchanger for 4 pipes systems																	
Model	CAW3P4I				CAW4P4I				CAW5P4I				CAW6P4I				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Speed	water temperature 7/12°C, air temperature dry bulb 27°C, wet bulb 19°C																
Total cooling capacity	kW	1,03	1,72	1,88	2,05	1,52	2,88	3,28	3,76	2,60	3,90	4,50	4,97	4,25	5,10	5,60	6,20
Sensible cooling capacity	kW	0,81	1,51	1,66	1,82	1,07	2,27	2,60	3,00	1,85	2,90	3,36	3,75	3,15	3,73	4,02	4,45
Water flow	l/h	177	295	323	351	295	494	563	645	445	678	781	863	735	890	970	1075
Pressure drop	kPa	3	8	9	11	8	11	13	17	15	25	32	37	13	19	22	28
water temperature 70/60°C, air temperature 20°C																	
Heating capacity	kW	1,10	1,78	1,95	2,20	1,48	2,87	3,14	3,76	2,55	3,86	4,43	4,92	4,80	5,58	6,20	6,80
Water flow	l/h	96	155	169	191	129	249	273	327	218	330	380	422	410	477	531	580
Pressure drop	kPa	11	25	29	36	7	22	26	36	12	25	35	41	28	37	42	50
Water content	dm ³	0,43				0,86				0,99				1,47			
Air flow	m ³ /h	180	400	460	520	200	530	630	750	370	630	760	880	850	1060	1160	1300
Power input	W	5	12	14	17	8	24	28	36	12	34	40	46	13	20	25	41
Sound power level (1)	dB(A)	30	41	44	46	32	48	51	55	41	53	57	61	43	48	49	51
Sound pressure level (2)	dB(A)	25	36	39	41	27	43	46	50	36	48	52	56	38	43	44	46
Cooling heat exchanger water connections	inches	1/2				1/2				3/4				3/4			
Heating heat exchanger water connections	inches	1/2				1/2				1/2				3/4			
Unit dimensions HxLxP	mm	273x575x575				273x575x575				273x575x575				273x776x776			
Grille dimensions HxLxP	mm	64x730x730				64x730x730				64x730x730				64x860x860			

Notes:

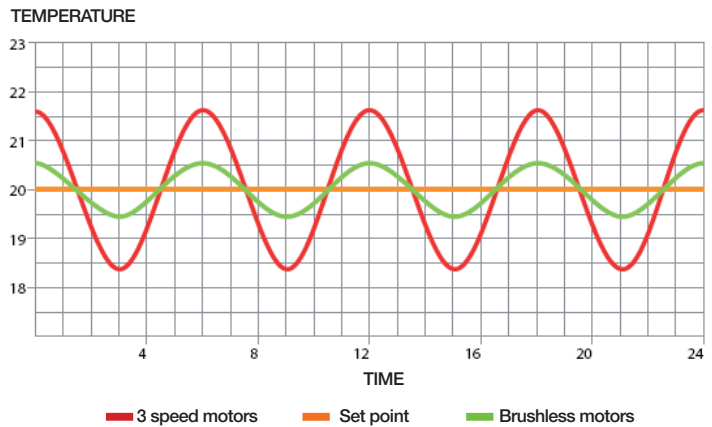
1 = sound power conforming ISO 3741 and ISO 3742

2 = Sound pressure level measured at a distance of 1m with a directivity factor of 4

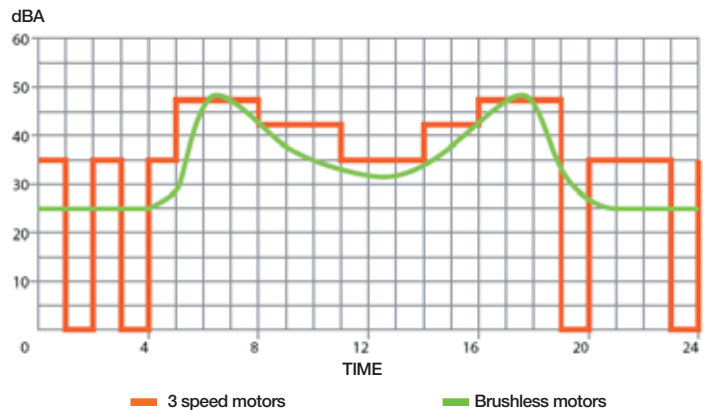
Plus & Benefits

DC brushless motors: with auto mode active, fan speed is managed by control system according to actual thermal load.

Temperature trend is more stable, specially when thermal loads are low. Comfort and energy saving are increased.



Low noise level compared to standard speed steps technology. The DC Inverter technology makes it possible to continuously adjust the air flow rate to the actual needs of the environment.



Humidity control and felt air temperature: thanks to the humidity sensor placed inside the unit, control system is able to manage the real body temperature. This value is calculated considering the latent heat exchanged, function of dry bulb temperature and relative humidity values of inside spaces.

Doubling speed function: it limits fan speed when temperature is close to setpoint value. In this way, noise level and power input are reduced when temperature approaches desired value.

SAC bus and Modbus: with these two features, network connections are now available. With SAC bus you can manage all the operations parameters from one single point; in a Modbus network an external supervisor can control all installed units.

Humidity sensor

CAW P2I are provided with a special humidity sensor. The humidity sensor signal is used by the logic, placing it in relation with the temperature measured by the room air and Humidex sensor, which measures the perception of the human body considering the combined effects of temperature and humidity. This function is available only in "auto heating mode" and "auto cooling mode" for 2 pipes units.

	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%
42°	48	50	52	55	57	59	62	64	66	68	71	73	75	77	80	82
41°	46	48	51	53	55	57	59	61	64	66	68	70	72	74	76	79
40°	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75
39°	43	45	47	49	51	53	55	57	59	61	63	65	66	68	70	72
38°	42	44	45	47	49	51	53	55	56	58	60	62	64	66	67	69
37°	40	42	44	45	47	49	51	52	54	56	58	59	61	63	65	66
36°	39	40	42	44	45	47	49	50	52	54	55	57	59	60	62	63
35°	37	39	40	42	44	45	47	48	50	51	53	54	56	58	59	61
34°	36	37	39	40	42	43	45	46	48	49	51	52	54	55	57	58
33°	34	36	37	39	40	41	43	44	46	47	48	50	51	53	54	55
32°	33	34	36	37	38	40	41	42	44	45	46	48	49	50	52	53
31°	32	33	34	35	37	38	39	40	42	43	44	45	47	48	49	50
30°	30	32	33	34	35	36	37	39	40	41	42	43	45	46	47	48
29°	29	30	31	32	33	35	36	37	38	39	40	41	42	43	45	46
28°	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
27°	27	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
26°	26	26	27	28	29	30	31	32	33	34	34	35	36	37	38	39
25°	25	25	26	27	27	28	29	30	31	32	33	34	34	35	36	37
24°	24	24	24	25	26	27	28	28	29	30	31	32	33	33	34	35
23°	23	23	23	24	25	25	26	27	28	28	29	30	31	32	32	33
22°	22	22	22	22	23	24	25	25	26	27	27	28	29	30	30	31

iFeel function

Wireless/Wired Universal Digital Remote Control

By pressing the iFeel button on the wireless controller, the iFeel function is activated: the room temperature is detected and checked by the temperature sensor placed in the remote controller. This function is designed to provide a personalized environment by transmitting the temperature control command from the location next to you. When using this option, the remote control should always be aimed, without obstruction, at the unit, therefore it should be placed in a position in which it is visible by the unit. It is possible to disable the remote controller room sensor pressing the iFeel button. In this case the iFeel icon on the remote controller display lights off and the sensor placed in the unit becomes active.

Fan speeds management

Wireless/Wired Universal Digital Remote Control

You can manually select one of these 3 fan speeds:

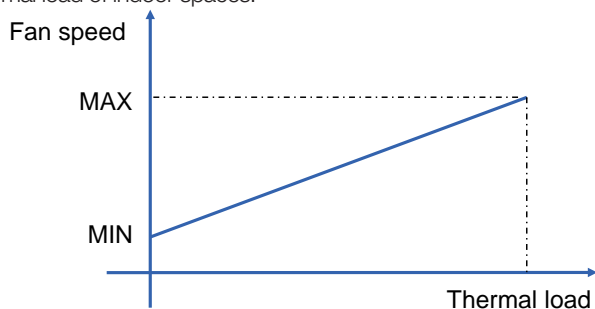


NOTE:

- If you set “Auto” fan mode, the control system will automatically choose one of these speeds
- If you select “Silent Mode” (🌀) option, the unit will run at a “low low speed” in order to reduce noise level. Fan speed symbol, previously selected, on wireless controller will not change.

Auto mode function

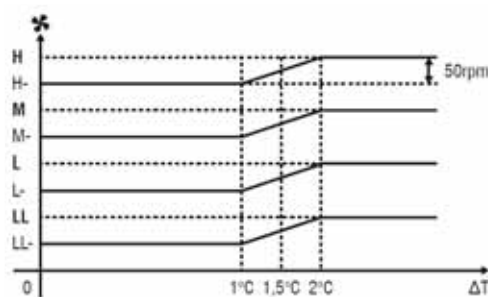
By selecting Auto fan mode, the advanced control system will automatically manage fan speed according to the actual thermal load of indoor spaces.



Indoor units with DC motor are the best solution for low energy class buildings, with high insulation. These models, modulating fan speed, can manage very low thermal input requests, typical for these class of buildings without increasing indoor temperature and avoiding start and stop situations.

Doubling speed function

This function allows to double the available fan speed, slowing the fan automatically when the room temperature is close to the set one. You can activate this function with wireless controller with a special procedure (see installation manual). The function is not available when fan mode is “Auto”.



Wired “3rd parties” controls

The fan management depends on the wired controlled model used. Wired control must have a 0-10 V analog output in order to properly control the inverter fan speed and a free contact for operating mode setting (cooling/heating).

Network connections

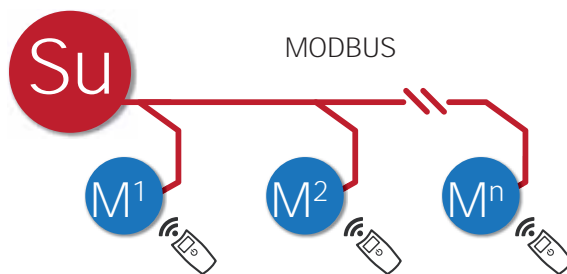
SAC BUS

This option for network connection is very useful when there is no building management system. Using SAC bus, you can connect to one Master unit up to 16 Slave units. The Master unit will accept input for single remote controller (wired or wireless) and will replicate the inputs to all Slave units. Slave units can not accept single remote controller inputs. Slave units can be different in size.



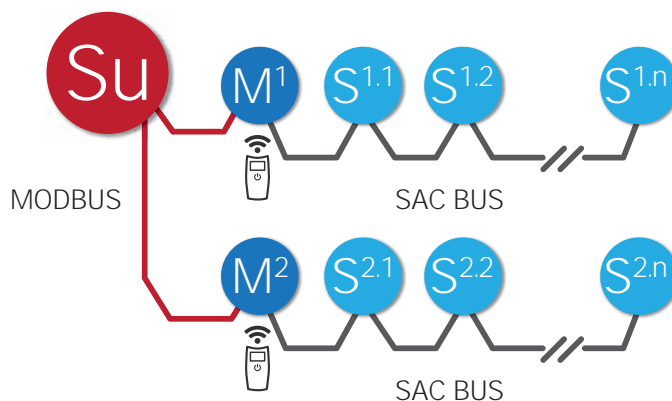
MODBUS RTU

This option for network connection is used when a high level control system (BMS) is available on the field. The Modbus supervisor will manage all operational parameters of indoor units (cooling/heating, temperature setpoint, fan speed, etc...). Only the Master units will be connected to the supervisor (you can connect up to 128 units). You can still use wireless or wired single controller only if this condition is allowed by Supervisor system. Supervisor can disable single controllers, if needed.



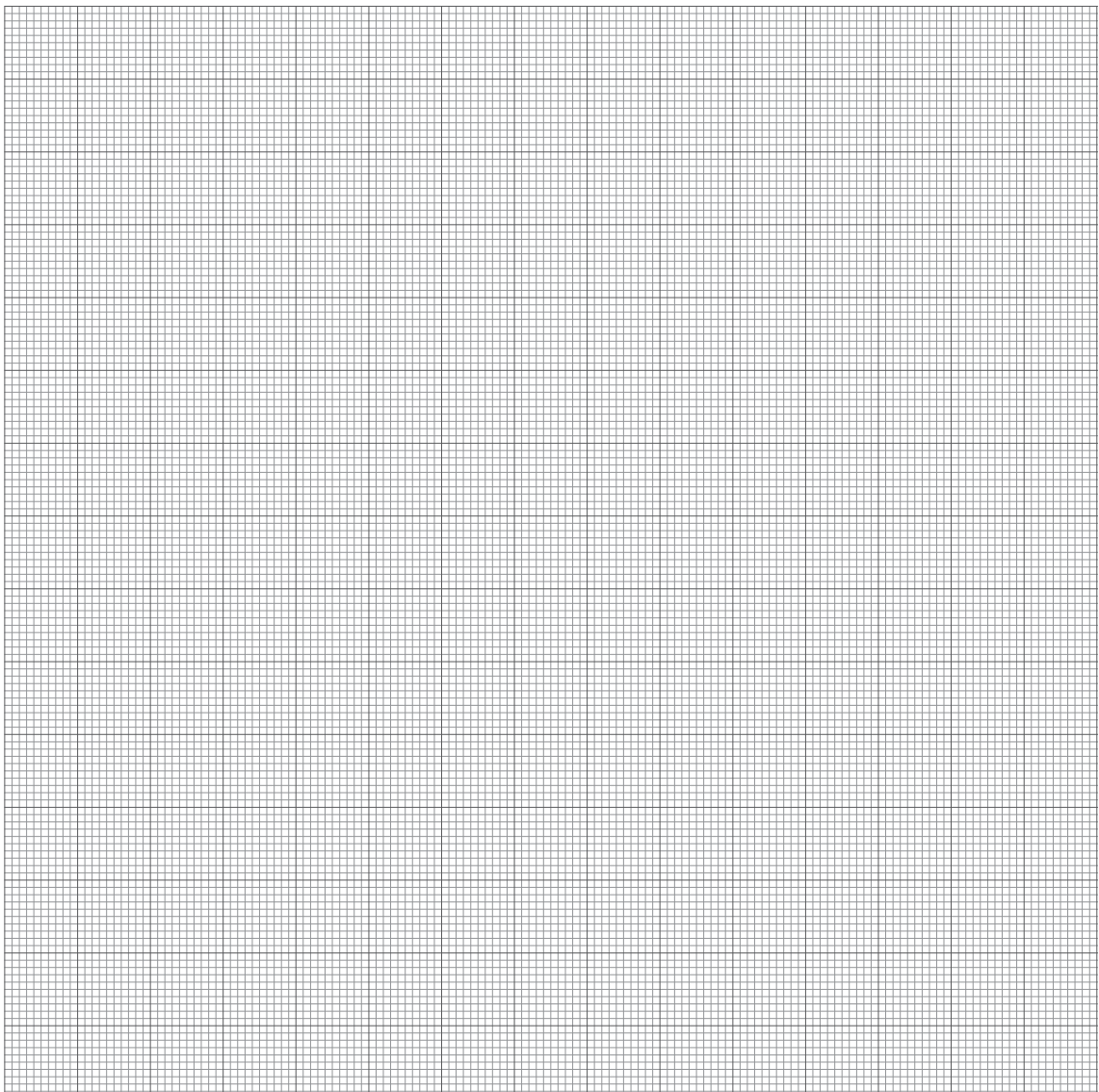
MIXED CONNECTION SAC BUS & MODBUS

This option can be used in order to manage several Master units and several Slave units (you can connect up to 128 units as Master and 16 unit as Slave for every Master). Master units are controlled by Supervisor system as in a Modbus connection. Slave units operate like in a SAC bus connection.



Legenda: M Master Sⁿ Slave^{number} Su Supervisor

Notes





CAW

ON OFF

CAW, the cassette unit for dropped ceilings that we can often observe above our heads in public spaces, offices, shops and restaurants.

Unit's structure is made by galvanised steel, externally and internally insulated with heat and soundproof materials.

Four speeds electric motor, to optimise unit performance in all conditions, drain pump included.

Mandatory accessory: 3-way valve kit.

- 3
- 4
- 5



Dimensions: HxLxD 296x575x575 mm
Weight: 3 | 19 kg - 4/5 | 20.5 kg

- 6



Dimensions: HxLxD 338x860x860 mm
Weight: 22 kg

- 8
- 10



Dimensions: HxLxD 338x860x1150 mm
Weight: 30,5 kg

WIRED

WIRELESS

2 PIPES

UNIT		GRID
CAW3P2B5AA	+	K70N090T
CAW4P2B5AA	+	K70N090T
CAW5P2B5AA	+	K70N090T
CAW6P2B5AA	+	K70N094T
CAW8P2B5AA	+	K70N095T
CAW10P2B5AA	+	K70N095T

4 PIPES

CAW3P4B5AA	+	K70N090T
CAW4P4B5AA	+	K70N090T
CAW5P4B5AA	+	K70N090T
CAW6P4B5AA	+	K70N094T

UNIT		GRID
CAW3P2X5AA	+	K70N129T
CAW4P2X5AA	+	K70N129T
CAW5P2X5AA	+	K70N129T
CAW6P2X5AA	+	K70N130T
CAW8P2X5AA	+	K70N131T
CAW10P2X5AA	+	K70N131T

Accessories

Type		Code
3-way valve + by-pass	Cassette with pipes 1/2"	70600088
	Cassette with pipes 3/4"	70600089

- 1) to be fitted outside the unit during installation work
 2) 4 pipes models need 1 valve for each exchanger

Type		Code
Humidity sensor for Mycomfort		K70P094Z
	Air Temperature Sensor	K70P093Z

Wireless Digital Remote Control



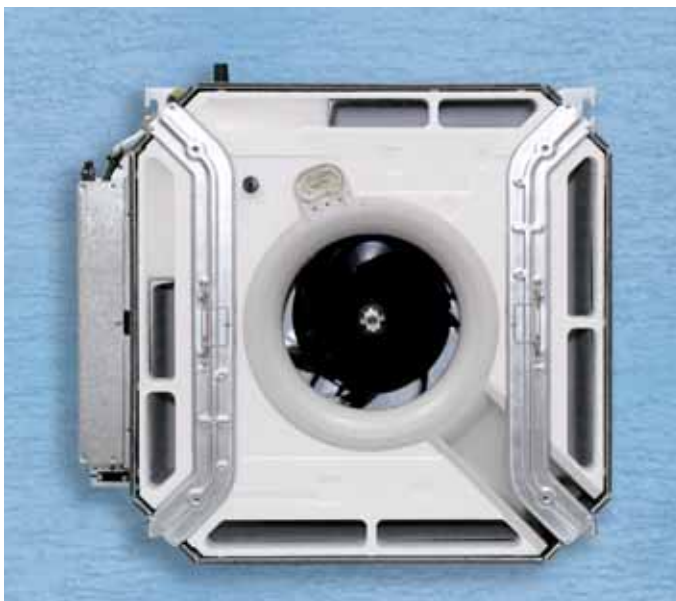
"Mycomfort" Digital Controls K70P090Z - K70P091Z



- Easy installation and discharge
- Perfect integration!



- Flocked anti-condensation flaps

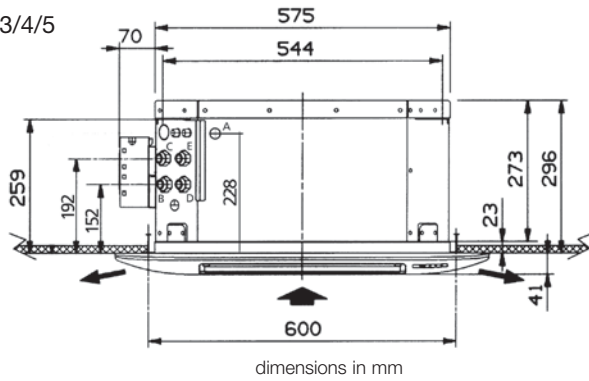


- Body in anti-corrosion metal

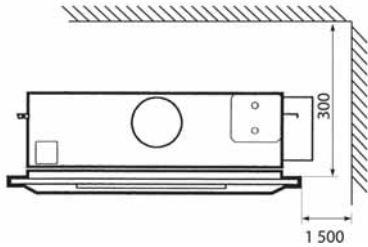
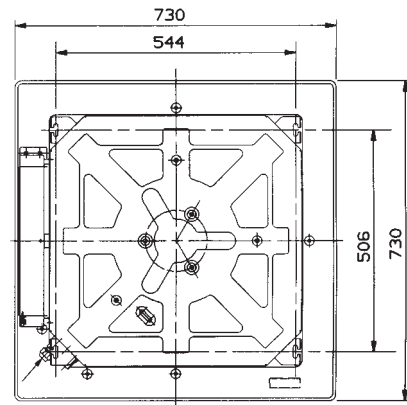


- Simple and convenient maintenance

CAW 3/4/5



dimensions in mm



- A Condensate connection: : Ø 10 mm
- B Main coil water inlet: : 1/2" (female)
- C Main coil water outlet: : 1/2" (female)
- D Additional coil water inlet: : 1/2" (female)
- E Additional coil water outlet: : 1/2" (female)

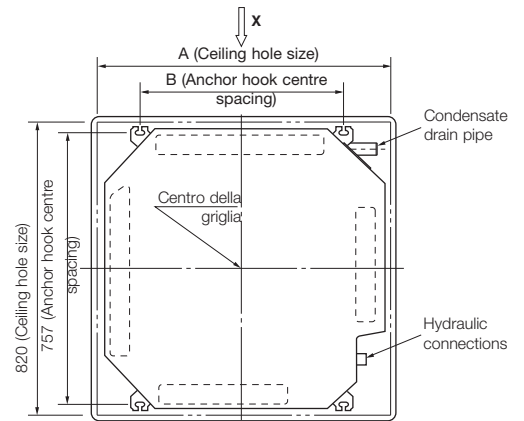
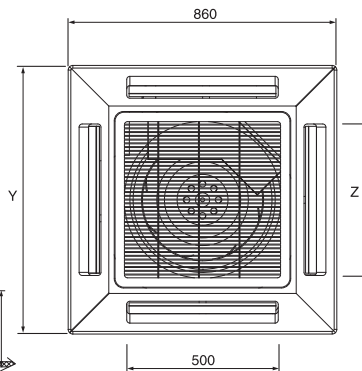
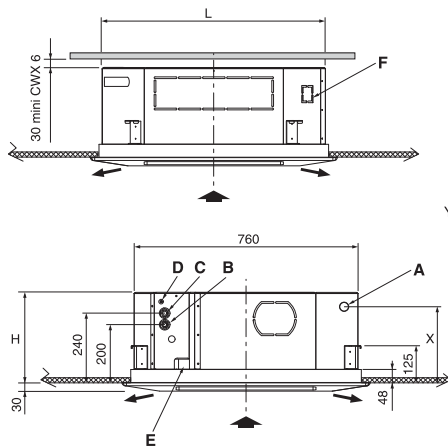
Weight when empty: 18 kg CAW 3
20 kg CAW 4/5
Grille: 3 kg

Maximum condensate pump head: 200 mm

CAW 6/8/10

	L	H	X	Y	Z
CAW 6	760	310	260	860	500
CAW 8/10	1 050	340	290	1 150	750

	CAW 6	CAW8/10	A	B
Unit	23 kg	29 kg	820	566
Panel/grille assembly	5 kg	7 kg	1 110	853



- A Condensate connection: Ø 32 mm outdoor
- B Water inlet: 3/4" gas female
- C Water outlet: 3/4" gas female
- D Coil air vent
- E Electrical wiring passage
- F Fresh air inlet: 60 mm x 55 mm

Maximum condensate pump head: 250 mm

Fan speeds management

wireless digital control

You can manually select one of these 3 fan speeds:

High Speed



Medium Speed



Low Speed



NOTE:

- If you set "Auto" fan mode, the control system will automatically choose one of these speeds
- If you select "Silent Mode" (🔇) option, the unit will run at a "low low speed" in order to reduce noise level. Fan speed symbol, previously selected, on wireless controller will not change.

Ratings and technical data of CAW fan coil units with 1 heat exchanger for 2 pipes systems													
Model	CAW3P2				CAW4P2				CAW5P2				
	1	2	3	4	1	2	3	4	1	2	3	4	
Speed	water temperature 7/12°C, air temperature dry bulb 27°C, wet bulb 19°C												
Total cooling capacity	kW	1,24	2,15	2,35	2,60	1,70	3,50	4,00	4,60	2,46	3,80	4,42	5,06
Sensible cooling capacity	kW	0,92	1,78	2,00	2,23	1,15	2,63	3,06	3,56	1,82	2,87	3,33	3,80
Water flow	l/h	213	368	404	445	291	600	687	789	422	653	758	869
Pressure drop	kPa	3	8	9	11	3	11	14	17	7	14	18	23
inlet water temperature 50°C, water flow rate same as in cooling mode, air inlet temperature 20°C													
Heating capacity	kW	1,55	2,83	3,11	3,49	1,87	4,35	4,85	5,70	3,35	5,33	6,14	6,75
Pressure drop	kPa	3	7	8	10	3	10	13	17	6	14	18	23
water temperature 60/50°C, air temperature 20°C													
Heating capacity	kW	2,02	3,72	4,09	4,61	2,42	5,70	6,32	7,46	4,46	7,11	8,17	8,91
Water flow	l/h	175	323	355	400	210	495	549	648	387	617	710	774
Pressure drop	kPa	2	6	7	8	2	7	9	12	5	12	16	18
Water content	dm ³	0,43				0,86				0,86			
Air flow	m ³ /h	180	400	460	520	200	530	630	750	370	630	760	880
Power input	W	17	40	50	60	20	60	70	90	26	71	85	98
Sound power level (1)	dB(A)	30	41	44	46	32	48	51	55	41	53	57	61
Sound pressure level (2)	dB(A)	25	36	39	41	27	43	46	50	36	48	52	56
Water connections	inches	1/2				1/2				1/2			
Unit dimensions HxLxP	mm	273x575x575				273x575x575				273x575x575			
Grille dimensions HxLxP	mm	64x730x730				64x730x730				64x730x730			

Ratings and technical data of CAW fan coil units with 1 heat exchanger for 2 pipes systems													
Model	CAW6P2				CAW8P2				CAW10P2				
	1	2	3	4	1	2	3	4	1	2	3	4	
Speed	water temperature 7/12°C, air temperature dry bulb 27°C, wet bulb 19°C												
Total cooling capacity	kW	4,20	5,00	5,40	6,00	5,50	6,50	8,00	9,10	6,23	8,09	8,90	9,92
Sensible cooling capacity	kW	3,13	3,70	3,99	4,40	4,11	5,08	6,10	6,84	4,69	6,17	6,87	7,71
Water flow	l/h	720	859	930	1029	944	1116	1373	1561	1070	1389	1529	1702
Pressure drop	kPa	16	22	25	30	21	28	41	51	27	42	50	60
inlet water temperature 50°C, water flow rate same as in cooling mode, air inlet temperature 20°C													
Heating capacity	kW	5,40	6,40	7,10	7,70	6,28	8,52	9,42	10,19	7,34	9,53	10,59	11,69
Pressure drop	kPa	15	21	25	30	21	29	39	48	26	42	49	60
water temperature 60/50°C, air temperature 20°C													
Heating capacity	kW	7,08	8,39	9,33	10,08	8,14	11,24	12,26	13,18	9,52	12,34	13,73	15,11
Water flow	l/h	615	729	810	875	707	976	1065	1145	827	1072	1192	1312
Pressure drop	kPa	12	16	19	22	12	21	24	27	16	26	31	37
Water content	dm ³	1,00				1,50				1,50			
Air flow	m ³ /h	850	1060	1160	1300	830	1190	1270	1400	1200	1700	1980	2300
Power input	W	80	90	100	120	80	100	120	140	110	130	155	180
Sound power level (1)	dB(A)	43	48	49	51	37	46	50	53	43	49	53	57
Sound pressure level (2)	dB(A)	38	43	44	46	32	41	45	48	38	44	48	52
Water connections	inches	3/4				3/4				3/4			
Unit dimensions HxLxP	mm	273x766x766				290x1066x766				290x1066x766			
Grille dimensions HxLxP	mm	64x860x860				64x1150x860				64x1150x860			

Ratings and technical data of CAW fan coil units with 2 heat exchanger for 4 pipes systems																	
Model	CAW3P4				CAW4P4				CAW5P4				CAW6P4				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Speed	water temperature 7/12°C, air temperature dry bulb 27°C, wet bulb 19°C																
Total cooling capacity	kW	1,03	1,72	1,88	2,05	1,52	2,88	3,28	3,76	2,60	3,90	4,50	5,97	4,25	5,10	5,60	6,20
Sensible cooling capacity	kW	0,81	1,51	1,66	1,82	1,07	2,27	2,60	3,00	1,85	2,90	3,36	3,75	3,15	3,73	4,02	4,45
Water flow	l/h	177	295	323	351	295	494	563	645	445	678	781	863	735	890	970	1075
Pressure drop	kPa	3	8	9	11	8	11	13	17	15	25	32	37	13	19	22	28
water temperature 70/60°C, air temperature 20°C																	
Heating capacity	kW	1,10	1,78	1,95	2,20	1,48	2,87	3,14	3,76	2,55	3,86	4,43	4,92	4,80	5,58	6,20	6,80
Water flow	l/h	96	155	169	191	129	249	273	327	218	330	380	422	410	477	531	580
Pressure drop	kPa	11	25	29	36	7	22	26	36	12	25	35	41	28	37	42	50
Water content	dm ³	0,43				0,86				0,99				1,47			
Air flow	m ³ /h	180	400	460	520	200	530	630	750	370	630	760	880	850	1060	1160	1300
Power input	W	17	40	50	60	20	60	70	90	26	71	85	98	80	90	100	120
Sound power level (1)	dB(A)	30	41	44	46	32	48	51	55	41	53	57	61	43	48	49	51
Sound pressure level (2)	dB(A)	25	36	39	41	27	43	46	50	36	48	52	56	38	43	44	47
Cooling heat exchanger water connections	inches	1/2				1/2				3/4				3/4			
Heating heat exchanger water connections	inches	1/2				1/2				1/2				3/4			
Unit dimensions HxLxP	mm	273x575x575				273x575x575				273x575x575				273x766x766			
Grille dimensions HxLxP	mm	64x730x730				64x730x730				64x730x730				64x860x860			

Notes:

1 = sound power conforming ISO 3741 and ISO 3742

2 = Sound pressure level measured at a distance of 1m with a directivity factor of 4



KPSW

The attractive and slimline KPSW models can be installed as floor-standing or ceiling-mounted units, to offer uniform installation throughout every building. The active carbon filter, available as an optional extra, deodorises the air in the room. It supplements the standard filter, which captures dust. Mandatory accessory: 3-way valve kit

KPSW

- ②
- ③
- ④



Dimensions: HxLxD 680x900x190 mm
Weight: 23.5 kg

Accessories

Type	Code
3-way valve + by-pass	70600071

to be fitted outside the appliance during installation work

Model		KPSW 2	KPSW 3	KPSW 4
Type		2 pipes	2 pipes	2 pipes
Codes - Models with remote control		KPSW 2 B5X	KPSW 3 B5X	KPSW 4 B5X
Codes - Models without remote control		KPSW 2 B5B	KPSW 3 B5B	KPSW 4 B5B
Total cooling capacity (kW)(1)	BV/MV/AV	1,07 / 1,80/ 2,40	1,13 / 2,40 / 3,19	1,77 / 3,00 / 3,60
Sensible cooling capacity (kW)(1)	BV/MV/AV	0,93 / 1,50 / 1,97	0,95 / 1,80 / 2,47	1,48 / 2,50 / 3,06
Heating capacity (kW) (2)	BV/MV/AV	1,84 / 2,70 / 3,48	2,05 / 3,40 / 4,07	2,40 / 4,30 / 5,30
Air flow rate (m3/s-m3/h)	BV	0,056/200	0,058/210	0,092/330
	MV	0,083/300	0,119/430	0,158/570
	AV	0,115/415	0,144/520	0,188/675
Water flow rate in cooling mode (l/h)	AV	420	550	617
Pressure drop in cooling mode (kPa)(1)	AV	21	26,6	26
Pressure drop in heating mode (kPa)(2)	AV	13	23,7	23
Electricity supply (V/ph/Hz)		230/1/50	230/1/50	230/1/50
Total power consumption (kW)	AV	0,034	0,046	0,080
Total current (A)	AV	0,16	0,23	0,40
Hydraulic connection		1/2" G male	1/2" G male	1/2" G male
Sound power level (dBA)	BV/MV/AV	35 / 43 / 48	35 / 45 / 50	40 / 51 / 54
Sound pressure level (dBA)at a distance of 2 m indoors BV/MV/AV		27 / 35 /40	27 / 37 /42	32 / 43 / 46

The sound pressure levels of TECHNIBEL products conform to European standard EN 12102 10 kPa = 1mCE

Nominal conditions

(1)	Air inlet	27°C (DB) / 19°C (WB)	(2)	Air inlet	20°C
	Water inlet	7°C		Water inlet	50°C (same water flow rate as for conditions in (1))
	Water outlet	12°C		Max. T of water generated	60°C



- Easy installation and condensation discharge
- Easy maintenance

- It fits everywhere!!!

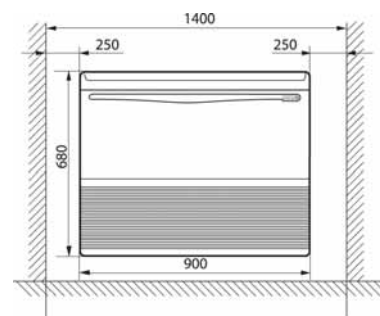
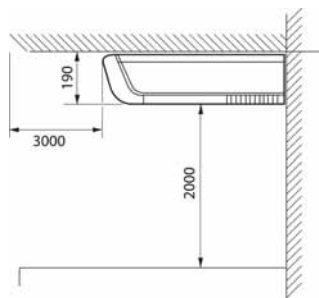
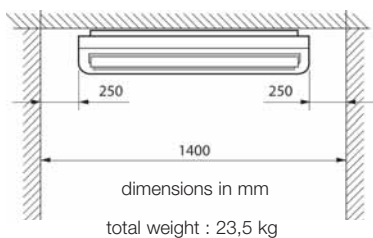
KPSW are available in three sizes 2, 3 and 4, whilst still maintaining the same structure and dimensions. They are easy to install and maintain thanks to washable filters that are easy to access on both versions.



- Ceiling installation
- LED operation can be deactivated by remote control

- Condensation anti-drip system

Installation clearances





TWN

TWN fan coil terminal units are available in 7 sizes for the 2-pipe version, each designed to suit 5 types of installation:

- TWN - CV: vertical model with casing
- TWN - CH: model with front grille, for vertical or horizontal installation
- TWN - NC: recessed model, for vertical or horizontal installation

The factory-fitted options and the accessories make it possible to extend the range of models with 2 pipes + electric heating element and the range of models with 4 pipes.

- Painted sheet metal casing
- Synthetic filter
- Copper / aluminium coil, left-hand side connection (can be changed on site)

Functions common to all models

- Cooling or heating by means of a water heat exchanger with 2 pipes
- Fan with integrated filter

- **Rounded and harmonious lines**
- **7 power levels**
- **5 types of installation**

MODELS

		Size	Code		
Models without casing		02	TWN 02 NC 00T		
		03	TWN 03 NC 00T		
		04	TWN 04 NC 00T		
		05	TWN 05 NC 00T		
		06	TWN 06 NC 00T		
		08	TWN 08 NC 00T		
		11	TWN 11 NC 00T		
		Models with casing		02	TWN 02 CV 00T
				03	TWN 03 CV 00T
				04	TWN 04 CV 00T
				05	TWN 05 CV 00T
06	TWN 06 CV 00T				
08	TWN 08 CV 00T				
11	TWN 11 CV 00T				
02	TWN 02 CH 00T				
03	TWN 03 CH 00T				
04	TWN 04 CH 00T				
05	TWN 05 CH 00T				
06	TWN 06 CH 00T				
08	TWN 08 CH 00T				
11	TWN 11 CH 00T				



			TWN						
MODEL			02	03	04	05	06	08	11
Total cooling capacity (kW) BV			1,45	1,76	2,51	3,17	3,97	4,49	6,97
(1)	MV		1,81	2,38	3,27	3,87	5,27	6,78	8,77
	AV		2,09	2,93	4,33	4,77	6,71	8,71	10,95
Sensible cooling capacity (kW)	BV		1,05	1,26	1,80	2,32	2,84	3,25	5,12
(1)	MV		1,31	1,70	2,45	2,92	3,83	4,94	6,46
	AV		1,51	2,11	3,15	3,65	4,91	6,38	8,07
Heating capacity (kW)	BV		1,79	2,28	3,29	4,24	4,77	5,65	8,90
2 pipes	MV	(2)	2,18	3,08	4,30	5,21	6,23	8,46	11,1
	AV		2,79	3,81	5,63	6,36	7,83	11,1	14,5
Electric heating element power (kW) (3)			1,5	1,6	2,0	2,0	3,0	3,0	-
Heating capacity (kW)	BV		1,79	2,3	3,47	4,04	5,69	6,12	8,82
4 pipes	MV	(4)	2,04	2,83	4,19	4,65	6,83	7,95	10,21
	AV		2,3	3,26	5,04	5,30	7,91	9,30	12,14
Air flow rate (m3/s-m3/h)	BV		0,058-211	0,067-241	0,100-361	0,130-470	0,158-570	0,178-642	0,280-1010
(5)	MV		0,075-271	0,094-341	0,138-497	0,168-605	0,214-771	0,284-1022	0,366-1317
	AV		0,095-344	0,123-442	0,196-706	0,218-785	0,280-1011	0,387-1393	0,514-1850
Water flow rate in cooling mode (l/h)	BV		249	302	431	544	681	771	1 196
(1)	MV		311	408	561	664	904	1 163	1 505
	AV		359	503	743	818	1 152	1 494	1 879
Water flow rate - additional coil (l/h)	BV		157	202	304	355	499	537	773
(4)	MV		179	249	367	408	600	698	896
	AV		202	286	442	465	694	816	1 065
Max. static pressure (Pa) (10)	MV/AV		40/60	40/60	60/60	60/60	60/60	60/60	60/60
Pressure drop in cooling mode (kPa)	BV		7	5	5	7	5	6	14
(1)	MV		10	8	8	10	8	12	21
	AV		13	11	12	14	12	19	31
Pressure drop in heating mode (kPa)	BV		5	4	4	6	4	5	12
2 pipes	MV	(2)	8	6	6	8	6	11	17
	AV		10	9	9	12	9	16	25
Pressure drop in heating mode (kPa)	BV		5	3	5	6	15	17	29
4 pipes	MV	(4)	6	4	7	8	21	27	37
	AV		8	5	10	10	27	36	50
Electricity consumption	(6) (W)		53	56	98	98	182	244	310
fan 230 V/1/50 Hz	(7) (A)		0,24	0,25	0,44	0,44	0,80	1,12	1,52
Connection	2 pipes		1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	3/4" G Fem.	3/4" G Fem.	3/4" G Fem.
hydraulic	4 pipes	COOLING	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	3/4" G Fem.	3/4" G Fem.	3/4" G Fem.
		Heating	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.	1/2" G Fem.
Sound power level (dBA) (8)	BV/MV/AV		36/44/50	33/41/47	35/43/52	43/49/56	47/54/61	49/59/66	60/64/71
Sound pressure level (dBA) (9)	BV/MV/AV		29/35/41	24/32/38	26/34/43	34/40/47	38/45/52	40/50/57	51/55/62

Fem. = female

The sound pressure levels of TECHNIBEL products conform to European standard EN 12102

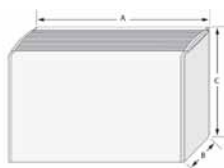
Nominal conditions		(8)	Test performed in compliance with standard ISO 3743
(1) Air inlet 27°C (DB) / 19°C (WB)			
Water 7°C / 12°C	(4)	Air inlet 20°C	
(2) Air inlet 20°C		Water 70°C / 60°C	(9) indoors, at a distance of 2 m
Water inlet 50°C, same water flow rate (1)	(5)	Measurements with direct air outlet (available pressure = 0 Pa)	(10) BV operation is prohibited in applications which require static pressure.
(3) As an optional extra, limited static pressure (consult technical features)		T air inlet 20°C	
Operation prohibited for a system with 2 pipes (heating and cooling)	(6)	Total power consumption (high speed)	
	(7)	Total power consumption (high speed)	

ACCESSORIES OR FACTORY-FITTED OPTIONS

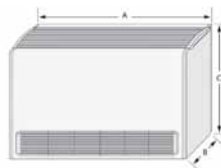
	Type	Model	Code for accessories	Code for factory-fitted options
controls on the unit	Speed selector switch (3) M/A*	CV - CH (vertical)	K 70 P 034 Z	K 70 P 034 M
	Fan regulation (3 speeds, M/A, electromechanical thermostat) Heating only or Cooling only	CV 2 pipes CH (vertical) 2 pipes	K 70 P 035 Z	K 70 P 035 M
	Fan regulation (3 speeds, M/A, electromechanical thermostat, manual switching)	CV 2 pipes CH (vertical) 2 pipes	K 70 P 036 Z	K 70 P 036 M
	Electronic regulation - LCD display for 1 valve or 2 valves or 1 valve + electric heating element - Auto switch	CV or CH (vertical) 2/4 pipes - 2 pipes cooling + E	K 70 P 090 Z	K 70 P 090 M
	Electronic regulation - LCD display for 1 valve or 2 valves or 1 valve + electric heating element - Auto switch - "Master-Slave" system	CV or CH (vertical) 2/4 pipes - 2 pipes cooling + E	K 70 P 091 Z	K 70 P 091 M
	Integrated assembly kit (cladding + air sensor)	K 70 P 090 Z/91 Z	K 70 P 092 Z	
	Remote water/air sensor	K 70 P 090 Z/91 Z	K 70 P 093 Z	
	Remote humidity sensor	K 70 P 091 Z	K 70 P 094 Z	
	Control panel for motorised damper	CV	K 70 P 040 Z	K 70 P 040 M
	3-way valve + by-pass kit, motorised 230 V/1/50 Hz On-Off operation, for system unit with 2 pipes (recommended accessory: auxiliary condensate basin)	1/2" G M - Kvs 1.7 3/4" G M - Kvs 2.8 3/4" G M - Kvs 2.8	Size 02 - 03 Size 04 - 05 Size 06 to 11	K 70 L 047 Z K 70 L 048 Z K 70 L 049 Z
3-way valve + by-pass kit, motorised 230 V/1/50 Hz On-Off operation, for system unit with 4 pipes (recommended accessory: auxiliary condensate basin)	1/2" G M - Kvs 1.7 1/2" G M - Kvs 1.7	Size 02 to 05 Size 06 to 11	K 70 L 050 Z K 70 L 051 Z	K 70 L 050 M K 70 L 051 M
Additional coil for system with 4 pipes		Size 02 Size 03 Size 04 - 05 Size 06 - 08 Size 11	K 70 B 009 Z K 70 B 010 Z K 70 B 011 Z K 70 B 012 Z K 70 B 013 Z	K 70 B 009 M K 70 B 010 M K 70 B 011 M K 70 B 012 M K 70 B 013 M
Defrosting heating element kit	1.5 kW 1.6 kW 2.0 kW 3.0 kW	Size 02 Size 03 Size 04 - 05 Size 06 - 08	K 70 C 040 Z K 70 C 041 Z K 70 C 042 Z K 70 C 043 Z	K 70 C 040 M K 70 C 041 M K 70 C 042 M K 70 C 043 M

* The selector switch is not used for temperature control

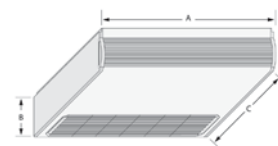
Units WITH CASING



TWN - CV
Vertical model

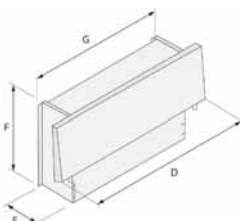


TWN - CH
Vertical model with front grille



TWN - CH
Horizontal model with front grille

Units WITHOUT CASING



TWN - NC
Horizontal or vertical model

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
Size 02	774	226	564	584	224	535	498
Size 03	984	226	564	794	224	535	708
Size 04-05	1194	226	564	1004	224	535	918
Size 06 - 08	1404	251	564	1214	249	535	1128
Size 11	1614	251	564	1424	249	535	1338

ACCESSORIES SUPPLIED SEPARATELY

	Model	Code
Power interface kit for controlling 4 fan coil units with one control	all	K 70 P 095 Z
Control RAB 30 (for wall mounting): ON/OFF switch + manual control of 3 fan speeds, ON/OFF thermostat, local Summer/Winter switch. Valve or fan adjustment.	2 pipes 4 pipes	70250076
Electronic regulation, LCD display (for wall mounting)	2/4 pipes - 2 pipes cooling + E	K 70 P 090 Z
Electronic regulation, LCD display, "Master-Slave" system (for wall mounting)	2/4 pipes - 2 pipes cooling + E	K 70 P 091 Z
Remote water/air sensor	K 70 P 090 Z/91 Z	K 70 P 093 Z
Remote humidity sensor	K 70 P 091 Z	K 70 P 094 Z
Control RCC 20 (for wall mounting): ON/OFF switch + manual control of 3 fan speeds, ON/OFF thermostat, automatic Summer/Winter switch with change over sensor (accessory) or outdoor contact. Valve or fan adjustment.	2 pipes/2 pipes + E	70250052
Control RCC 10 (for wall mounting): ON/OFF switch + manual control of 3 fan speeds, ON/OFF thermostat, automatic Summer/Winter switch with change over sensor (accessory) or outdoor contact. Valve or fan adjustment.	2 pipes 2 pipes	70250051
Remote room temperature sensor in casing for 70250051-52		70250054
Room temperature sensor for 70250051-52		70250053
Control panel for motorised damper	CV - NC (vertical)	K 70 D 032 Z
Manual air damper for CV and NC vertical models	Size 02 Size 03 Size 04 - 05 Size 06 - 08	K 70 N 120 Z K 70 N 121 Z K 70 N 122 Z K 70 N 123 Z
Motorised air damper for CV and NC vertical models	Size 02 Size 03 Size 04 - 05 Size 06 - 08 Size 11	K 70 N 124 Z K 70 N 125 Z K 70 N 126 Z K 70 N 127 Z K 70 N 128 Z
Adjustable air discharge grille for CH, CV models with casing	Size 02 Size 03 Size 04 - 05 Size 06 - 08 Size 11	K 70 N 054 Z K 70 N 055 Z K 70 N 056 Z K 70 N 057 Z K 70 N 058 Z
Outdoor air intake grille	Size 02 Size 03 Size 04 - 05 Size 06 - 08	K 70 N 059 Z K 70 N 060 Z K 70 N 061 Z K 70 N 062 Z
Indoor air intake grille with filter for NC appliances without casing	Size 02 Size 03 Size 04 - 05 Size 06 - 08	K 70 N 063 Z K 70 N 064 Z K 70 N 065 Z K 70 N 066 Z
Discharge grille with double deflector for NC appliances without casing	Size 02 Size 03 Size 04-05 Size 06 - 08	K 70 N 067 Z K 70 N 068 Z K 70 N 069 Z K 70 N 070 Z
Painted panel closing off the rear for vertical installation of CH and CV	Size 02 Size 03 Size 04-05 Size 06 - 08 Size 11	K 70 J 070 Z K 70 J 071 Z K 70 J 072 Z K 70 J 073 Z K 70 J 074 Z
Painted panel closing off the rear for horizontal installation of CH	Size 02 Size 03 Size 04-05 Size 06 - 08 Size 11	K 70 J 075 Z K 70 J 076 Z K 70 J 077 Z K 70 J 078 Z K 70 J 079 Z
Support feet for CV models, height 100 mm	Size 02-05 Size 06-11	K 70 U 020 Z K 70 U 021 Z
Auxiliary condensate basin:	Vertical models Horizontal models	CV, CH, NC CH, NC
		K 70 L 045 Z K 70 L 046 Z



MPW

Elegant and discreet, available in two sizes 1/2 and 3/4, an indoor unit to suit all tastes, suitable for all settings both in terms of design and heat output.
Mandatory accessory: 3-way valve kit.

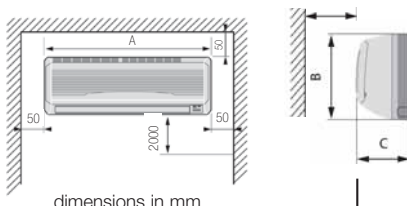


Dimensions: HxLxD 270x805x215 mm
Weight: 8 kg



Dimensions: HxLxD 285x995x240 mm
Weight: 12 kg

Installation clearances



	A (mm)	B(mm)	C(mm)	Weight(Kg)
MPW 1	805	270	215	8
MPW 2	805	270	215	8
MPW 3	995	285	240	11
MPW 4	995	285	240	11

Accessories

Type	Code
3-way valve + by-pass	70600071

to be fitted outside the appliance during installation work

		MPW				
Model		MPW 1	MPW 1 BE	MPW 2	MPW 3	MPW 4
Type		2 pipes	2 pipes + E	2 pipes	2 pipes	2 pipes
Codes - Models with remote control		MPW 1 B5X	-	MPW 2B5X	MPW 3B5X	MPW 4B5X
Codes - Models without remote control		MPW 1 B5B	MPW 1BE5B	MPW 2B5B	MPW 3B5B	MPW 4B5B
Total cooling capacity (kW)(1) BV/MV/AV		0,80 / - / 1,24	0,80 / - / 1,24	0,96 / - / 1,67	1,91 / 2,53 / 3,17	2,62 / 3,14 / 3,67
Sensible cooling capacity (kW)(1)	BV/MV/AV	0,58 / - / 0,94	0,58 / - / 0,94	0,74 / - / 1,3	1,53 / 1,89 / 2,56	2,12 / 2,50 / 3,01
Heating capacity (kW) (2)	BV/MV/AV	1,11 / - / 1,72	1,11 / - / 1,72	1,49 / - / 2,38	2,70 / 3,50 / 4,50	3,70 / 4,50 / 5,50
Heating capacity with electric heating element (kW)		-	0,5	-	-	-
Air flow rate (m3/s-m3/h)	BV	0,042 - 150	0,042 - 150	0,05 - 180	0,089 - 320	0,131 - 470
	MV	-	-	-	0,111 - 400	0,161 - 580
	AV	0,061 - 220	0,061 - 220	0,075 - 270	0,142 - 510	0,197 - 710
Water flow rate in cooling mode (l/h) (1)	AV	215	215	290	545	630
Pressure drop in cooling mode (kPa)(1)	AV	16,1	16,1	27,2	20,0	27,0
Pressure drop in heating mode (kPa)(2)	AV	15,3	15,3	26,2	19,0	26,0
Electricity supply (V/ph/Hz)		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power consumption (kW)	AV	0,025	0,525	0,025	0,075	0,08
Total current (A)	AV	0,11	2,3	0,11	0,33	0,36
Hydraulic connection		1/2" G female	1/2" G female	1/2" G female	1/2" G female	1/2" G female
Sound power level (dBA)	BV/MV/AV	32 / - / 41	32 / - / 41	35 / - / 45	46 / 52 / 58	48 / 53 / 59
Sound pressure level (dBA) at a distance of 2 m indoors	BV/MV/AV	23 / - / 32	23 / - / 32	26 / - / 36	37 / 43 / 49	39 / 44 / 50

The sound pressure levels of TECHNIBEL products conform to European standard EN 12102

10 kPa = 1mCE

Nominal conditions

(1)	Air inlet	27°C (DB) / 19°C (WB)	(2)	Air inlet	20°C
	Water inlet	7°C		Water inlet	50°C (same water flow rate as for conditions in (1))
	Water outlet	12°C		Max. T of water generated	60°C



The casing for model **MP** is treated using a photo engraving technique to obtain a satin effect on the plastic, this is done during the injection stage and no further treatments are applied. You can see the quality of the material and manufacturing process used with the naked eye, this sets the **MP** unit apart from other white wall-mounted indoor units.

MP allows condensation discharge to the right or left, it has LEDs that can be deactivated and washable filters, it is compact and easy to install.

Mesh filters with optional odour-capturing activated charcoal filter

The optional activated charcoal filter is comprised of a layer of synthetic material folded to increase the filtering surface area and treated with a professional anti-bacterial solution, combined with an activated charcoal mesh. Activated charcoal is a material mainly made up of carbon in the form of graphite micro crystals treated in such a way as to create a porous structure with a vast internal

surface area. When the forced air flow passes through the filter element, the charge of static energy allows the filter to trap even the smallest particles of pollutants and allergens, down to a size of 0.01 microns. The activated charcoal layer attracts and absorbs the organic molecules responsible for unpleasant odours, eliminating them completely.

Infrared remote control

For water terminal units 2 pipes, type: MPW - KPSW - CAW



DCI



ON/OFF

Main features

- Operating modes (depends on application):
 - Cooling
 - Heating
 - Dehumidification
 - Automatic
 - Fan only.
- Temperature interval can be set: between 10 and 32°C
- Automatic operation of the vertical deflectors
- 3 fan speeds, manual or automatic selection
- “On-Off” action of fan or valve (if installed)
- Remote control with address programming option (up to 4 addresses)
- “Forced mode” function in cooling and heating modes
- Protection against cold air draughts in heating mode
- Control of condensate pump for cassette units
- “I feel” function: option of choosing the temperature sensor on the unit or in the remote control
- “Night” function
- “Diagnosis” function for assistance with repair work.

Applications:

Control regulation should be set in according to one of the following applications:

- 2 pipes, cooling only, valve regulation
Modes: cooling - dehumidification - fan only
- 2 pipes, cooling/heating, valve regulation
Modes: cooling - heating - dehumidification - fan only
- 2 pipes, heating only, fan regulation
Modes: heating
- 2 pipes, heating only, valve regulation
Modes: heating - fan only
- 4 pipes, separate for cooling/heating, independent regulation of 2 valves
Modes: cooling - heating - automatic - dehumidification - fan only.

Mycomfort Digital Control & 3rd parties wired control

The fan management depends on the wired controlled model used. Basically you can select among 4 speed values. My Comfort "Base" and "Medium" has 3 speed values selectable.

For water terminal type: MPW - KPSW - TWN - CAW On Off

K70P090Z – Mycomfort Base

- Air temperature adjustment through automatic variation of fan speed.
- Regulation of air temperature via fan ON-OFF control (fan runs at a fixed speed).
- Control of ON-OFF valves for two or four-pipes systems.
- Heating element management.
- Colling/Heating switching in the following modes:
 - local manual switching
 - remote manual
 - automatic, depending on water temperature
 - automatic, depending on air temperature

Additional features include:

- Digital input 1 - Clean contact for remote switching of cooling/heating function.
- Digital input 2 - Clean contacts for external activation for enable or disable unit operation.
- Air sensor (accessory) instead of the internal one.



K70P091Z – Mycomfort Medium

- Air temperature adjustment through automatic variation of fan speed.
- Regulation of air temperature via fan ON-OFF control (fan runs at a fixed speed).
- Control of ON-OFF valves for two or four-pipes systems.
- Heating element management.
- Colling/Heating switching in the following modes:
 - local manual switching
 - remote manual
 - automatic, depending on water temperature
 - automatic, depending on air temperature
- Dehumidification function.
- Serial communication for Master/Slave control system.

Additional features include:

- Clean contact for remote switching of cooling/heating function.
- Clean contacts for external activation for enable or disable unit operation.
- Clean contacts for remote activation of ECO-function.
- Air sensor (accessory) instead of the internal one.
- Remote humidity sensor (accessory) to be used for dehumidification function.

Remote control with manual switching 70250076 (RAB 30)



Electromechanical thermostat with 3 fan speeds

Manual selection of the operating mode (heating/cooling)

For terminal units with 2 pipes, or 2 pipes + electric heating element, or 4 pipes

MPW - KPSW - TWN - CAW On Off

Main features

- Mains power voltage: 230 Vac 50/60 Hz
- Functions: On / Off + 3 fan speeds - Manual selection of operating mode (heating/cooling)
- Adjustment range: 8/30°C (option of mechanical limitation using jumpers on the knob)
- Regulation by means of On/Off valve control (or fan control in units with 2 pipes)
- Permanent or slaved fan
- Contact breaker capacity: 2 A inductive
- Differential: 1K maxi
- Electrical connections on the screw terminal block
- Operating temperature interval: 0/+50°C
- Relative humidity < 95%
- Protection degree: IP 30
- Colour: White RAL 9003

Remote controls with automatic switching 70250051 (RCC 10) e 70250052 (RCC 20)

Electronic thermostat with 3 fan speeds

Automatic selection of the operating mode (heating/cooling - via change over sensor or centralised operation)

70250051 : for terminal units with 2 pipes

70250052 : for terminal units with 2 pipes + electric heating element, or 4 pipes

MPW - KPSW - TWN - CAW On Off

Main features

- Mains power voltage: 230 Vac 50/60Hz
- Functions: On / Off + 3 fan speeds
 - With integrated air sensor
 - Water "change over" sensor inlet (accessory 70250053)
 - Diverted air sensor inlet (accessories: air intake sensor 70250053, or sensor in casing 70250054)
- Adjustment range: 8/30°C (option of mechanical limitation using jumpers on the knob)
- Regulation by means of On/Off valve control (or fan control in units with 2 pipes)
- Permanent or slaved fan
- Contact breaker capacity: 2 A inductive for fan - 1 A inductive for valve/valves
- Differential in heating mode: adjustable 1 or 4 K
- Differential in cooling mode: adjustable 0.5 or 2 K
- Neutral zone (for RCC 20): adjustable 2 or 5 K
- Instruction in "Eco" mode: 16°C in heating mode, 28°C in cooling mode
- Instruction in "Standby": 8°C in heating mode
- Electrical connections on the screw terminal block
- Operating temperature interval: 0/+50°C
- Relative humidity: < 95%
- Protection degree: IP 30
- Colour: White RAL 9003





702015303 - 05/2015

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