

# FAN COILS





# Fan coil units

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# Fan coil units

A large range of fan coil units dedicated to energy savings, comfort, flexibility and quality.



## Energy savings and comfort

### Low consumption solutions.

- High efficiency fan motor
- High level of energy performance

### Silence.

- Optimised fan speed staging
- Reinforced acoustic insulation
- Profiled air diffusers

## Flexibility and quality

### Many factory-mounted options.

- Control
- Valve
- Air diffusion
- Condensate drain pump ...

### Products fully customisable to satisfy your requirements.

- Choice of service side for hydraulic and electrical connections
- Version with or without cabinet ...

# Quick selection guide - Fan coil units

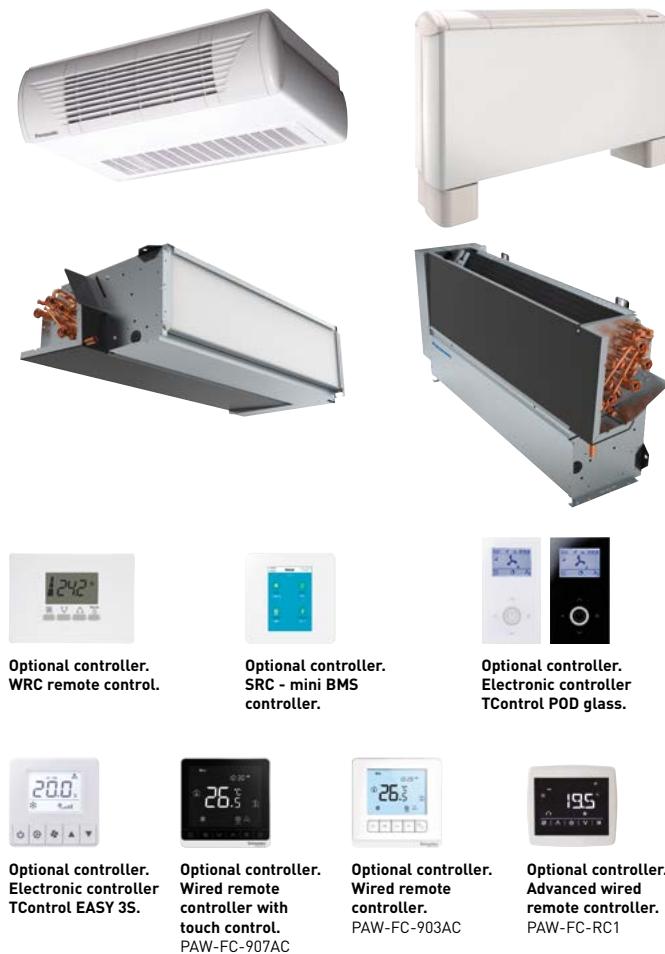
Page	Size	Cooling and heating capacity <sup>1)</sup> (kW)	NR sound levels (at MS) <sup>1) 2)</sup>	Air flow <sup>1)</sup> (m <sup>3</sup> /h)	Pressure (Pa)	Fan	Dimensions <sup>3)</sup> (mm)
<b>Fan coil comfort</b>  	10	2,0 2,3	33	108-417	—	AC/EC	766 x 225 x 477
	20	2,1 2,5	33	98-413	—	AC/EC	766 x 225 x 477
	30	1,8 2,7	36	119-345	—	AC/EC	951 x 225 x 477
	40	4,2 4,5	30	170-678	—	AC/EC	1136 x 225 x 477
	50	5,0 5,2	37	203-816	—	AC/EC	1321 x 225 x 477
	60	5,2 5,8	40	245-912	—	AC/EC	1506 x 225 x 477
	70	6,6 7,2	40	350-1050	—	AC/EC	1319 x 225 x 575
	80	8,4 9,3	42	685-1398	—	EC	1506 x 225 x 575
<b>P. 78</b>  	20	2,4 2,7	27	360-659	—	AC/EC	595 x 595 x 341
	30	4,0 3,7	30	320-734	—	AC/EC	595 x 595 x 341
	40	4,7 5,3	34	486-900	—	AC/EC	595 x 595 x 341
	50	6,1 6,8	26	529-979	—	AC/EC	849 x 849 x 358
	60	7,2 8,5	32	500-1159	—	AC/EC	849 x 849 x 358
	70	9,6 11,0	38	601-1598	—	AC/EC	849 x 849 x 358
	7	1,7 1,7	36	282-360	—	AC	845 x 180 x 275
<b>P. 86</b>  	9	2,5 2,8	39	367-551	—	AC	845 x 180 x 275
	18	3,6 4,1	43	532-680	—	AC	940 x 200 x 298
	22	4,0 4,5	46	617-850	—	AC	940 x 200 x 298
	7	1,5 1,8	30	48-161	0-70	EC	633 x 631 x 223
<b>P. 88</b>  	15	2,1 2,6	32	255-491	0-90	EC	733 x 631 x 223
	20	2,7 2,6	35	360-599	0-90	EC	833 x 631 x 223
	25	3,2 3,4	34	448-642	0-90	EC	933 x 631 x 223
	30	4,8 5,0	34	300-1068	0-90	EC	933 x 631 x 223
	40	6,7 7,1	34	347-1293	0-90	EC	1233 x 653 x 223
	7	5,6 6,7	34	703-1125	0-110	AC/EC	1200 x 698 x 250
	15	13,3 15,5	40	960-2830	0-200	AC/EC	1380 x 798 x 375
<b>P. 90</b>  	18	13,9 18,0	40	960-2830	0-200	AC/EC	1380 x 798 x 375
	21	17,0 17,8	40	960-2830	0-200	AC/EC	1380 x 798 x 375
	24	21,2 24,3	44	2040-3451	0-220	AC/EC	1500 x 798 x 450
	27	24,8 25,0	44	2040-3451	0-220	AC/EC	1500 x 798 x 450
	200	0,6 0,5	—	54-162	—	DC	579 x 735 x 129
	700	1,5 1,2	—	156-318	—	DC	579 x 935 x 129
<b>P. 94</b>  	900	2,1 1,6	—	246-462	—	DC	579 x 1135 x 129
	1100	2,5 2,1	—	372-576	—	DC	579 x 1335 x 129

1) Data for fan coil comfort, cassette and duct EC fan 2-pipe version. Data for fan coil high static duct AC fan / 2-pipe version. 2) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A) (21dB(A) for fan coil high static duct). 3) Fan coil comfort: with cabinet / without feet. Fan coil cassette: casing + IRYS COANDA 360 diffuser. Fan coil duct and high static duct: configuration: rectangular return and discharge.

# Fan coil comfort AC fan

Fan coil floor and ceiling units with cooling and heating.

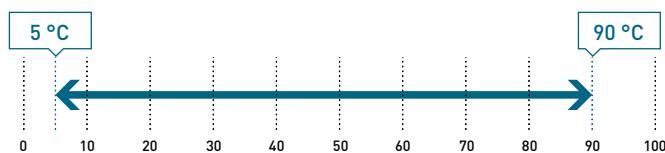
Cooling capacity: 0,6 to 6,9 kW. Heating capacity: 0,6 to 7,4 kW.



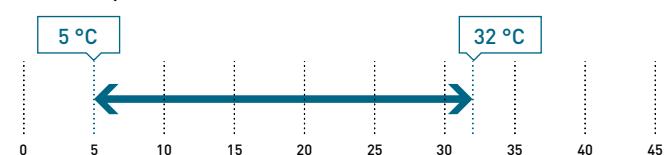
SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>

## The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 7 sizes
- 5-speed AC fan - standard factory set speeds: S1,S3,S5
- Air flow from 94 to 1064 m<sup>3</sup>/h
- Configuration: universal installation units (vertical or horizontal) with or without cabinet
- Left or right water connections
- Many air inlet/outlet configurations
- G2 air filter (G3 as an option)

## Advantages

- Silent units
- New casing design for an increased robustness
- Harmonious and aesthetic RAL 9003 painted cabinet
- Valves, condensate drain pan and drain pump factory mounted
- 100% factory tested

## Accessories and options

- 2 way or 3 way valves
- 4-pipes kit (additional coil)
- Circuit breakers
- Drain pump
- Electric heaters (from 500 W to 2500 W)
- Feet with/without grid
- Fuse holders
- G3 filter
- Horizontal or vertical drain guard (with valve)
- Many air inlet/outlet configurations
- Mechanical sensor for automatic change over
- Modbus communication board for Plogic
- MRC/WRC/BRC: remote controls for Plogic
- Other speeds configuration (standard factory set speeds: S1,S3,S5)
- SRC - mini BMS controller
- Suspension kit
- Plogic controller (other electromechanical or electronic control systems also available)
- TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)



## Technical features

Fan coil comfort AC fan	P-FC10	P-FC20	P-FC30	P-FC40	P-FC50	P-FC60	P-FC70
	S1/S3/S5 <sup>1)</sup>						
<b>2-pipes</b>							
Total cooling capacity <sup>2)</sup>	kW	0,66/1,00/1,45	0,61/0,96/1,38	0,95/1,88/2,37	1,14/2,28/3,02	1,71/3,16/4,64	2,57/4,33/5,53
Sensible capacity <sup>2)</sup>	kW	0,48/0,77/1,05	0,43/0,70/1,02	0,78/1,44/1,80	0,83/1,66/2,23	1,24/2,23/3,27	1,81/3,14/4,25
Water flow <sup>2)</sup>	l/h	114/172/250	105/165/238	164/324/408	196/393/520	295/544/799	443/746/953
Water pressure drop <sup>2)3)</sup>	kPa	9,17/19,5/39,1	2,65/4,62/7,43	5,8/17,6/26,3	5,0/15,6/25,6	7,5/22,8/47,1	12,6/33,9/54,4
Heating capacity <sup>4)</sup>	kW	0,63/1,18/1,71	0,63/1,03/1,53	1,00/1,86/2,49	1,14/2,28/3,18	1,79/3,47/4,81	2,45/4,22/5,63
Water flow <sup>4)</sup>	l/h	109/203/295	109/177/264	172/320/429	196/393/548	308/598/829	422/727/970
Water pressure drop <sup>3)4)</sup>	kPa	5,9/17,3/33,8	2,76/5,06/8,54	5,8/16,2/27,0	5,0/15,6/28,1	6,1/20,7/38,5	18,6/52,4/91,4
<b>4-pipes</b>							
Total cooling capacity <sup>2)</sup>	kW	0,63/0,88/1,24	0,87/1,34/1,73	0,91/1,80/2,28	0,98/2,14/2,85	1,57/2,88/4,13	2,60/4,39/5,61
Sensible capacity <sup>2)</sup>	kW	0,46/0,67/0,91	0,65/1,02/1,36	0,75/1,39/1,74	0,71/1,57/2,10	1,14/2,04/2,92	1,82/3,18/4,28
Water flow <sup>2)</sup>	l/h	109/152/214	150/231/298	157/310/393	169/369/491	270/496/711	448/756/966
Water pressure drop <sup>2)3)</sup>	kPa	7,6/13,9/26,3	2,33/4,44/6,64	2,8/8,6/13,1	5,8/20,5/33,6	3,9/11,6/22,8	10,2/27,7/44,5
Heating capacity <sup>5)</sup>	kW	0,63/1,00/1,41	1,00/1,40/1,68	1,28/1,81/2,13	1,22/2,21/2,85	2,01/3,19/4,08	2,71/4,24/5,33
Water flow <sup>5)</sup>	l/h	54/86/121	86,1/121/145	110/156/183	105/190/245	173/275/351	233/365/459
Water pressure drop <sup>3)5)</sup>	kPa	1,2/2,1/3,3	1,15/2,2/3,12	2,8/4,7/6,1	5,1/13,9/21,8	5,7/12,5/19,4	11,6/24,8/37
<b>Sound levels</b>							
Sound power	2-pipes	dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/43/56
	4-pipes	dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/46/56
Sound pressure <sup>4)</sup>	2-pipes	dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47
	4-pipes	dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47
NR <sup>5)</sup>	2-pipes		19/26/35	17/29/36	16/31/38	16/30/37	20/32/42
	4-pipes		19/26/35	17/29/36	16/31/38	16/30/37	20/32/42
<b>Ventilation</b>							
Number of fans			1	1	1	2	2
Air flow	2-pipes	m <sup>3</sup> /h	94/190/283	68/104/196	138/274/390	173/357/499	253/486/716
	4-pipes	m <sup>3</sup> /h	95/168/253	89/161/241	132/263/369	148/335/467	242/466/671
Filter			G2	G2	G2	G2	G2
<b>Electrical data</b>							
Power supply	Voltage	V	230	230	230	230	230
	Phase		Single phase				
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60
Consumption	2-pipes	W	13/24/36	13/18/31	16/37/45	15/37/56	28/55/72
	4-pipes	W	13/24/36	11/18/28	16/37/44	15/37/55	28/54/70
Electric heater			500	500	500/1000	1250	1250/2500
<b>Water connections</b>							
Connection type			Gas female threaded				
2 or 4-pipes	Cooling	Inch	1/2	1/2	1/2	1/2	1/2
4-pipes	Heating	Inch	1/2	1/2	1/2	1/2	1/2
<b>Dimensions</b>							
With cabinet - without feet	LxWxH	mm	766x225x477	766x225x477	951x225x477	1136x225x477	1321x225x477
Without cabinet	LxWxH	mm	570x220x430	570x220x430	753x220x430	938x220x430	1122x220x430
<b>Weight</b>							
With cabinet	2-pipes	kg	19	19	22	27	30
	4-pipes	kg	20	20	23	29	32
Without cabinet	2-pipes	kg	13	13	15	20	22
	4-pipes	kg	14	14	16	22	24

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) Pressure loss by corresponding nominal flow. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 5) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 6) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A).



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Fan coil comfort EC fan

Fan coil floor and ceiling units with cooling and heating.

**Cooling capacity: 0,5 to 9,1 kW.**

**Heating capacity: 0,6 to 12,9 kW.**



## The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 8 sizes
- Low energy consumption EC fan: 100% controllable via a 0-10 V signal or 3 operating speeds
- Air flow from 91 to 1548 m<sup>3</sup>/h
- Configuration: universal installation units (vertical or horizontal) with or without cabinet
- Left or right water connections
- Many air inlet/outlet configurations
- G2 air filter (G3 as an accessory)

## Advantages

- Excellent performances: FCEER and FCCOP up to "A"
- Silent units
- New casing design for an increased robustness
- Harmonious and aesthetic RAL 9003 painted cabinet
- Valves, condensate drain pan and drain pump factory mounted
- 100% factory tested

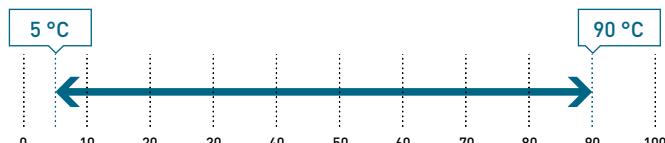
## Accessories and options

- |  |
|--|
| 2 way or 3 way valves  |
| 4-pipes kit (additional coil)  |
| Circuit breakers   |
| Drain pump   |
| Ecospeed card for EC fans  |
| Electric heaters (from 500 W to 2500 W)  |
| Feet with/without grid   |
| Fuse holders   |
| G3 filter  |
| Horizontal or vertical drain guard (with valve)  |
| Many air inlet/outlet configurations   |
| Electromechanical sensor for automatic change over   |
| Modbus communication board for Plogic  |
| MRC/WRC/BRC: remote controls for Plogic  |
| Other speeds configuration (standard factory set speeds in technical features table)                                       |
| SRC - mini BMS controller  |
| Suspension kit   |
| Plogic controller (other electromechanical or electronic control systems also available)                                   |
| TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available) |

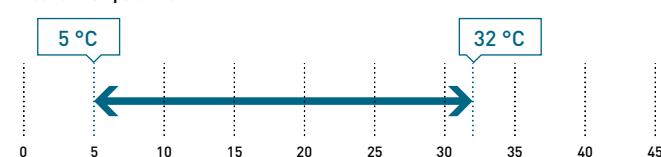
SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>



## Technical features

Fan coil comfort EC fan	P-FC10	P-FC20	P-FC30	P-FC40	P-FC50	P-FC60	P-FC70	P-FC80
	2V/5V/10V <sup>1)</sup>	2V/5V/10V <sup>1)</sup>	2V/6V/10V <sup>1)</sup>	2V/5V/10V <sup>1)</sup>	2V/7V/10V <sup>1)</sup>	2V/7V/10V <sup>1)</sup>	4V/8V/10V <sup>1)</sup>	3V/4,1V/6,4V <sup>1)</sup>
<b>2-pipes</b>								
Total cooling capacity <sup>2)</sup>	kW	0,59/1,16/1,96	0,61/1,31/2,12	0,67/1,41/1,83	1,34/2,93/4,19	1,34/3,57/4,98	1,98/4,45/5,24	2,55/5,56/6,55
Sensible capacity <sup>2)</sup>	kW	0,48/1,00/1,76	0,47/1,06/1,72	0,47/1,04/1,34	0,95/2,10/3,00	1,05/2,70/3,70	1,35/3,51/4,02	1,91/4,10/4,96
Water flow <sup>2)</sup>	l/h	102/200/338	105/226/365	141/336/505	231/505/722	231/615/858	341/767/903	439/958/1128
Water pressure drop <sup>2)3)</sup>	kPa	7,5/25,7/69,5	1,4/4,3/9,3	5,9/21,8/42,9	6,4/24,3/46,3	4,9/28,7/53,9	7,8/35,8/49,0	2,7/12,6/17,5
Heating capacity <sup>4)</sup>	kW	0,67/1,30/2,31	0,68/1,53/2,52	0,80/1,72/2,66	1,11/2,48/4,46	1,38/3,89/5,19	1,95/4,93/5,82	3,05/5,81/7,17
Water flow <sup>4)</sup>	l/h	115/224/398	117/264/434	138/296/458	191/427/768	238/670/894	336/849/1002	525/1001/1235
Water pressure drop <sup>3)4)</sup>	kPa	6,5/20,6/59,1	1,7/5,5/12,4	4,1/14,2/30,4	4,8/18,1/51,9	3,8/25,7/44,6	12,2/70,7/97,5	3,9/13,8/20,9
<b>4-pipes</b>								
Total cooling capacity <sup>2)</sup>	kW	0,51/1,02/1,80	0,57/1,20/2,18	0,75/1,84/2,93	1,03/2,20/3,52	1,17/3,45/4,39	1,69/3,90/4,69	2,44/4,88/6,06
Sensible capacity <sup>2)</sup>	kW	0,41/0,87/1,60	0,43/0,96/1,76	0,55/1,44/2,28	0,73/1,57/2,58	0,92/2,61/3,28	1,12/3,05/3,63	1,83/3,61/4,53
Water flow <sup>2)</sup>	l/h	87,8/176/310	98,2/207/376	129/317/505	177/379/606	202/594/756	291/672/808	420/841/1044
Water pressure drop <sup>2)3)</sup>	kPa	5,2/18,3/53,4	1,3/3,8/9,7	4,0/13,7/28,0	9,3/27,8/58,9	2,3/16,2/25,6	4,6/22,0/31,4	3,2/12,3/18,8
Heating capacity <sup>5)</sup>	kW	0,61/1,13/1,87	0,79/1,33/2,09	1,41/2,01/2,77	1,57/2,49/3,62	2,18/3,34/4,10	1,81/4,05/4,81	3,45/4,67/5,53
Water flow <sup>5)</sup>	l/h	52,5/97,3/161	68/115/180	121/173/239	135/214/312	188/288/353	156/349/414	297/402/476
Water pressure drop <sup>3)5)</sup>	kPa	1,1/2,4/4,8	<1/2,0/4,8	7,9/12,3/18,6	10,9/22,2/41,1	6,5/13,6/19,6	16,1/45,3/57,5	32,2/53,9/72,4
<b>Sound levels</b>								
Sound power	2-pipes	dB(A)	34/47/60	34/47/60	31/50/59	29/44/52	30/51/57	32/54/58
	4-pipes	dB(A)	34/47/60	34/47/60	31/50/59	29/44/56	30/51/57	32/54/58
Sound pressure <sup>4)</sup>	2-pipes	dB(A)	25/38/51	25/38/51	22/41/50	20/35/43	21/42/48	23/45/49
	4-pipes	dB(A)	25/38/51	25/38/51	22/41/50	20/35/43	21/42/48	23/45/49
NR <sup>5)</sup>	2-pipes		20/33/46	20/33/46	17/36/45	15/30/38	16/37/43	18/40/44
	4-pipes		20/33/46	20/33/46	17/36/45	15/30/38	16/37/43	18/40/44
<b>Ventilation</b>								
Number of fans			1	1	1	2	2	2
Air flow	2-pipes	m <sup>3</sup> /h	108/228/417	98/234/413	119/257/345	170/412/678	203/577/816	245/737/912
	4-pipes	m <sup>3</sup> /h	91/199/379	84/200/380	123/297/540	148/298/524	185/587/755	205/668/845
Filter			G2	G2	G2	G2	G2	G2
<b>Electrical data</b>								
Power supply	Voltage	V	230	230	230	230	230	230
	Phase		Single phase					
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Consumption	2-pipes	W	7/12/41	7/13/41	6/16/42	2/13/43	4/23/46	4/30/54
	4-pipes	W	7/12/39	7/13/40	6/14/40	2/11/39	4/23/44	4/28/52
Electric heater			500	500	500/1000	1250	1250/2500	1250/2500
<b>Water connections</b>								
Connection type			Gas female threaded					
2 or 4-pipes	Cooling	Inch	1/2	1/2	1/2	1/2	1/2	3/4
4-pipes	Heating	Inch	1/2	1/2	1/2	1/2	1/2	1/2
<b>Dimensions</b>								
With cabinet - without feet	LxWxH	mm	766x225x477	766x225x477	951x225x477	1136x225x477	1321x225x477	1506x225x477
Without cabinet	LxWxH	mm	570x220x430	570x220x430	753x220x430	938x220x430	1122x220x430	1307x220x430
<b>Weight</b>								
With cabinet	2-pipes	kg	19	19	22	27	30	35
	4-pipes	kg	20	20	23	29	32	37
Without cabinet	2-pipes	kg	13	13	15	20	22	27
	4-pipes	kg	14	14	16	22	24	28

Energy efficiency class<sup>7)</sup>

Fan coil comfort EC fan	FCEER	C	C	B	A	A	A	B	B
2-pipes	FCCOP	D	C	C	B	A	B	B	B
	FCEER	C	C	B	A	B	B	B	A
4-pipes	FCCOP	C	C	B	A	B	B	B	A

1) Fan standard factory set speeds (voltage). 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) Pressure loss by corresponding nominal flow. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 5) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 6) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A). 7) According to Eurovent.



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Fan coil cassette AC fan

Fan coil cassette units with cooling and heating.

Cooling capacity: 1,3 to 8,6 kW.

Heating capacity: 1,1 to 12,8 kW.



Optional controller.  
WRC remote control.



Optional controller.  
SRC - mini BMS  
controller.



Optional controller.  
Electronic controller  
TControl POD glass.



Optional controller.  
Electronic controller  
TControl EASY 3S.



Optional controller.  
Wired remote  
controller with  
touch control.  
PAW-FC-907AC



Optional controller.  
Wired remote  
controller.  
PAW-FC-903AC

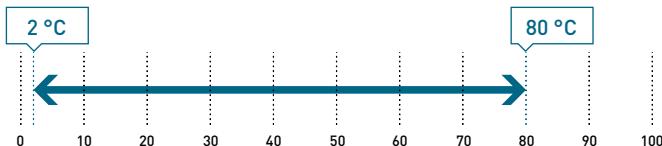


Optional controller.  
Advanced wired  
remote controller.  
PAW-FC-RC1

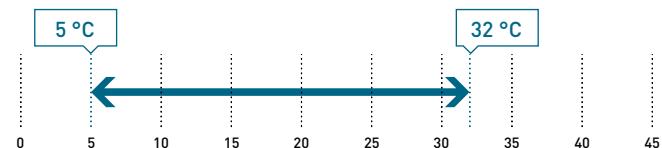
SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>

## The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 6 sizes
- 3-speed AC fan
- Air flow from 360 to 1447 m<sup>3</sup>/h
- Integrated condensate drain pump
- G1 cleanable air filter

## Advantages

- Aesthetic and IRYS COANDA design diffusers with strong coanda effect
- Silent units
- Easy installation and maintenance: all connections on the same side. Electrical box and valves outside of the unit
- Low built-in-height
- Perfect integration into standard 600 x 600 ceiling tiles\*
- Valves and drain pump factory mounted

\* From 20 to 40 with IRYS COANDA diffusers.

## IRYS COANDA diffusers.

For a unique design and a strong coanda effect.

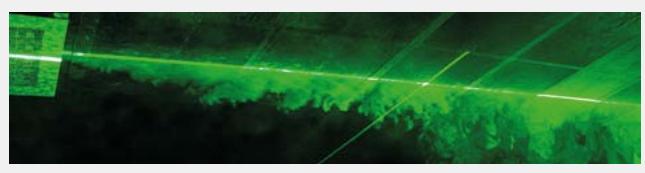


IRYS COANDA 360.  
360° air diffusion.



IRYS COANDA 180.  
180° air diffusion.

Coanda effect measurements taken in our Panasonic development center.



## Technical features

Fan coil cassette AC fan	P-FQ20	P-FQ30	P-FQ40	P-FQ50	P-FQ60	P-FQ70
	R3/R2/R1 <sup>1)</sup>					
<b>2-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	1,54/1,76/2,36	1,87/2,87/3,99	2,78/3,49/4,69	3,35/4,43/6,07	3,69/5,46/7,18
Sensible capacity <sup>2)</sup>	kW	1,29/1,48/1,98	1,41/2,17/3,04	2,08/2,67/3,62	2,52/3,35/4,47	2,67/4,06/5,42
Water flow <sup>2)</sup>	l/h	265/303/404	323/493/683	478/597/801	576/762/1042	636/937/1233
Water pressure drop <sup>2)</sup>	kPa	4,0/5,0/10,0	3,0/7,0/14,0	6,0/10,0/18,0	7,0/12,0/22,0	3,0/6,0/11,0
Heating capacity <sup>3)</sup>	kW	1,92/2,17/2,74	1,94/3,15/3,68	3,16/3,92/5,28	3,80/5,08/6,84	3,85/6,26/8,51
Water flow <sup>3)</sup>	l/h	331/374/472	334/543/634	544/675/909	655/875/1178	663/1078/1466
Water pressure drop <sup>3)</sup>	kPa	6,0/7,0/10,0	3,0/9,0/11,0	7,0/10,0/17,0	8,0/13,0/22,0	3,0/8,0/14,0
<b>4-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	1,29/1,48/1,97	1,99/2,68/3,37	2,55/3,21/4,00	—	2,97/4,96/6,63
Sensible capacity <sup>2)</sup>	kW	1,18/1,38/1,84	1,49/2,07/2,65	2,03/2,58/3,30	—	2,23/3,77/5,06
Water flow <sup>2)</sup>	l/h	232/258/359	342/465/576	437/563/683	—	511/851/1137
Water pressure drop <sup>2)</sup>	kPa	6,0/8,0/13,0	4,0/7,0/11,0	6,0/10,0/15,0	—	5,0/14,0/24,0
Heating capacity <sup>4)</sup>	kW	1,09/1,27/1,67	3,10/4,40/5,46	4,32/5,00/5,80	—	5,28/7,79/10,04
Water flow <sup>4)</sup>	l/h	94/109/144	267/379/470	372/431/500	—	455/671/865
Water pressure drop <sup>4)</sup>	kPa	15,0/17,0/28,0	7,0/13,0/20,0	13,0/17,0/23,0	—	4,0/7,0/11,0
<b>Sound levels</b>						
Sound power	2-pipes	dB(A)	38/42/49	35/47/53	42/48/57	35/40/49
	4-pipes	dB(A)	37/41/49	35/47/53	42/48/57	—
Sound pressure <sup>5)</sup>	2-pipes	dB(A)	27/31/40	26/35/44	33/39/48	26/31/40
	4-pipes	dB(A)	27/31/40	26/35/44	33/39/48	—
NR <sup>5)</sup>	2-pipes		23/27/35	20/30/39	28/34/43	21/26/35
	4-pipes		23/27/35	20/30/39	28/34/43	—
<b>Ventilation</b>						
Number of fans		1	1	1	1	1
Air flow	m <sup>3</sup> /h	360/450/659	320/504/734	486/626/900	529/720/979	500/824/1159
Filter		G1	G1	G1	G1	G1
<b>Electrical data</b>						
Power supply	Voltage	V	230	230	230	230
	Phase		Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50/60	50/60	50/60	50/60
Consumption	2-pipes	W	25/35/58	17/34/58	38/58/99	28/41/66
	4-pipes	W	25/35/58	17/34/58	38/58/99	—
Electric heater	W	1500	2500	2500	2x1500	2x1500
<b>Water connections</b>						
Connection type		Gas female threaded				
2 or 4-pipes	Cooling	Inch	¾	¾	¾	1
4-pipes	Heating	Inch	½	½	½	—
<b>Dimensions</b>						
With IRYS COANDA 180	LxWxH	mm	595x595x353	595x595x353	595x595x353	849x849x366
With IRYS COANDA 360	LxWxH	mm	595x595x341	595x595x341	595x595x341	849x849x358
With plastic diffuser	LxWxH	mm	720x720x334	720x720x334	720x720x334	960x960x339
<b>Weight</b>						
Weight	kg	14,8	16,5	16,5	37,1	37,1
1) Fan speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 4) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 5) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A).						
<b>Accessories and options</b>						
2 way or 3 way valves						
Auxiliary drain pan						
Electric heaters (from 1500 W to 3000 W)						
Electromechanical sensor for automatic change over						
Fresh air intake						
G4 filter						
IRC: infrared remote control for Plogic						
Modbus communication board for Plogic						
<b>Accessories and options</b>						
Plastic or metallic (IRYS COANDA) diffusers (mandatory)						
SRC - mini BMS controller						
Plogic controller (other electromechanical or electronic control systems also available)						
TControl EASY 35 and TControl POD glass controllers (other electromechanical or electronic control systems also available)						
WRC: wall-mounted remote control for Plogic						



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Fan coil cassette EC fan

Fan coil cassette units with cooling and heating.

Cooling capacity: 1,3 to 9,6 kW.

Heating capacity: 1,1 to 14,0 kW.



Optional controller.  
WRC remote control.



Optional controller.  
SRC - mini BMS  
controller.



Optional controller.  
Electronic controller  
TControl POD glass.



Optional controller.  
Electronic controller  
TControl EASY 3S.



Optional controller.  
Wired remote controller  
with touch control.  
PAW-FC-907EC

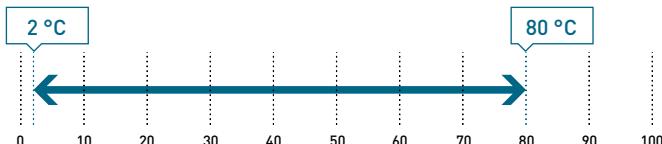


Optional controller.  
Wired remote controller.  
PAW-FC-903EC

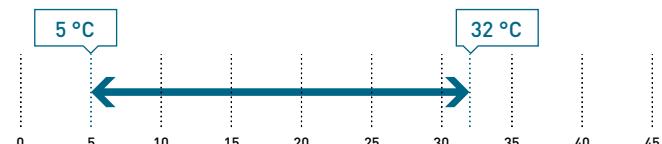
SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>

## The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 6 sizes
- Low energy consumption EC fan: 100% controllable via a 0-10 V signal or 3 operating speeds
- Air flow from 360 to 1598 m<sup>3</sup>/h
- Integrated condensate drain pump
- G1 cleanable air filter

## Advantages

- Excellent performances: FCEER and FCCOP up to "A"
- Aesthetic and IRYS COANDA design diffusers with strong coanda effect
- Silent units
- Easy installation and maintenance: all connections on the same side. Electrical box and valves outside of the unit
- Low built-in-height
- Perfect integration into standard 600 x 600 ceiling tiles\*
- Valves and drain pump factory mounted

\* From 20 to 40 with IRYS COANDA diffusers.

## IRYS COANDA diffusers.

For a unique design and a strong coanda effect.

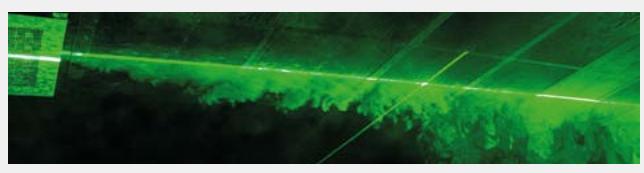


IRYS COANDA 360.  
360° air diffusion.



IRYS COANDA 180.  
180° air diffusion.

Coanda effect measurements taken in our Panasonic development center.



## Technical features

## Energy efficiency class<sup>6)</sup>

Fan coil cassette EC fan							
	FCEER	B	A	B	A	A	A
2-pipes	FCCOP	B	B	B	A	A	A
	FCEER	B	A	B	—	A	B
4-pipes	FCCOP	C	A	B	—	A	A

1) Fan standard factory set speeds (voltage). 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 4) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 5) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A). 6) According to Eurovent.

<b>Accessories and options</b>
2 way or 3 way valves
Auxiliary drain pan
Ecospeed card for EC fans
Electric heaters [from 1500 W to 3000 W]
Electromechanical sensor for automatic change over
Fresh air intake
G4 filter
IRC: infrared remote control for Plogic

<b>Accessories and options</b>
Modbus communication board for Plogic
Plastic or metallic (IRYS COANDA) diffusers (mandatory)
SRC - mini BMS controller
Plogic controller (other electromechanical or electronic control systems also available)
TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
WRC: wall-mounted remote control for Plogic



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Fan coil wall AC fan

Fan coil wall-mounted units with cooling and heating.

Cooling capacity: 1,0 to 4,0 kW.

Heating capacity: 1,4 to 4,5 kW.



Optional controller.  
WRC remote control.



Optional controller.  
SRC - mini BMS  
controller.



Optional controller.  
Electronic controller  
TControl POD glass.



Optional controller.  
Electronic controller  
TControl EASY 3S.



Optional controller.  
Wired remote  
controller with  
touch control.  
PAW-FC-907AC



Optional controller.  
Wired remote  
controller.  
PAW-FC-903AC



Optional controller.  
Advanced wired  
remote controller.  
PAW-FC-RC1

## The range at a glance

- Versions (2-pipes): infrared without valve (IR SV), infrared with valve (IR AV) and terminal block without valve (TB SV)
- 4 sizes
- 3-speed AC fan
- Air flow from 280 to 850 m<sup>3</sup>/h
- G1 cleanable air filter

## Advantages

- Reversible
- Aesthetic design
- Light for easy installation
- Silent units
- Very easy servicing through a removable front panel
- Cleanable synthetic-type air filter

## Accessories and options

2 way or 3 way valves

Modbus communication board for Plogic

SRC - mini BMS controller

Plogic controller [other electromechanical or electronic control systems also available]

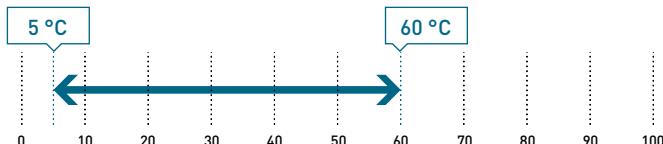
TControl EASY 3S and TControl POD glass controllers [other electromechanical or electronic control systems also available]

WRC: wall-mounted remote control for Plogic

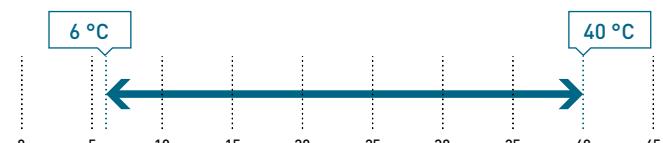
SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>



## Technical features

Fan coil wall AC fan	P-FW07 S2/S3/S4 <sup>1)</sup>	P-FW09 S2/S3/S4 <sup>1)</sup>	P-FW18 S2/S3/S4 <sup>1)</sup>	P-FW22 S2/S3/S4 <sup>1)</sup>
<b>2-pipes, without valve</b>				
Total cooling capacity <sup>2)</sup>	kW	1,00/1,34/1,69	1,58/1,79/2,50	2,78/3,05/3,60
Sensible capacity <sup>2)</sup>	kW	0,72/0,97/1,20	1,21/1,37/1,87	2,12/2,39/2,74
Water flow <sup>2)</sup>	l/h	172/231/291	270/308/431	479/525/620
Water pressure drop <sup>2)</sup>	kPa	18,6/24,9/31,4	18,5/21,4/31,0	34,6/40,0/52,3
Heating capacity <sup>3)</sup>	W	1,42/1,62/1,72	1,68/1,92/2,80	2,99/3,30/4,10
Water flow <sup>3)</sup>	l/h	245/279/296	289/331/482	515/568/706
Water pressure drop <sup>3)</sup>	kPa	17,6/23,4/26,5	21,4/23,5/28,6	39,9/46,3/64,7
<b>Sound levels</b>				
Sound power	dB(A)	45/49/51	40/43/52	47/50/54
Sound pressure <sup>4)</sup>	dB(A)	30/33/35	32/36/40	39/41/43
NR <sup>4)</sup>	dB(A)	32/36/38	34/39/44	40/43/46
<b>Ventilation</b>				
Number of fans		1	1	1
Air flow	m <sup>3</sup> /h	282/321/360	367/413/551	532/592/680
Filter		G1	G1	G1
<b>Electrical data</b>				
Power supply	Voltage	V	230	230
	Phase		Single phase	Single phase
	Frequency	Hz	50	50
Consumption	Cooling	W	39/42/62	30/33/40
	Heating	W	39/42/62	27/30/50
<b>Water connections</b>				
Connection type		Gas female threaded	Gas female threaded	Gas female threaded
Connections	Inch	1/2	1/2	1/2
<b>Dimensions and weight</b>				
Dimension	LxWxH	mm	845x180x275	940x200x298
Weight	kg	11	11	13
<b>Fan coil wall AC fan</b>				
	P-FW09 S2/S3/S4 <sup>1)</sup>		P-FW22 S2/S3/S4 <sup>1)</sup>	
<b>2-pipes, with valve</b>				
Total cooling capacity <sup>2)</sup>	kW	1,11/1,25/1,40		2,32/2,68/3,10
Sensible capacity <sup>2)</sup>	kW	0,91/1,08/1,25		1,68/1,98/2,28
Water flow <sup>2)</sup>	l/h	191/215/241		400/460/532
Water pressure drop <sup>2)</sup>	kPa	14,9/16,8/18,8		42,4/50,8/61,5
Heating capacity <sup>3)</sup>	W	1,29/1,61/2,00		2,51/2,75/3,30
Water flow <sup>3)</sup>	l/h	222/277/344		432/474/568
Water pressure drop <sup>3)</sup>	kPa	16,1/21,3/28,2		45,8/48,6/54,1
<b>Sound levels</b>				
Sound power	dB(A)	44/50/54		53/57/60
Sound pressure <sup>4)</sup>	dB(A)	32/36/40		39/43/48
NR <sup>4)</sup>	dB(A)	27/31/37		34/37/41
<b>Ventilation</b>				
Number of fans		1		1
Air flow	m <sup>3</sup> /h	150/250/400		290/400/600
Filter		G1		G1
<b>Electrical data</b>				
Power supply	Voltage	V	230	230
	Phase		Single phase	Single phase
	Frequency	Hz	50	50
Consumption	Cooling	W	35/38/43	50/58/69
	Heating	W	30/33/43	50/58/69
<b>Water connections</b>				
Connection type		Gas female threaded	Gas female threaded	
Connections	Inch	1/2		1/2
<b>Dimensions and weight</b>				
Dimension	LxWxH	mm	845x180x275	940x200x298
Weight	kg	11		13

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 4) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A).



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Fan coil duct EC fan

Fan coil medium static pressure ductable units with cooling and heating.

**Cooling capacity: 0,7 to 6,7 kW.**

**Heating capacity: 0,5 to 7,1 kW.**



Optional controller.  
WRC remote control.



Optional controller.  
SRC - mini BMS  
controller.



Optional controller.  
Electronic controller  
TControl POD glass.



Optional controller.  
Electronic controller  
TControl EASY 3S.



Optional controller.  
Wired remote controller  
with touch control.  
PAW-FC-907EC



Optional controller.  
Wired remote controller.  
PAW-FC-903EC

SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## The range at a glance

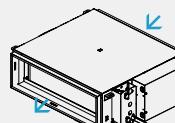
- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 6 sizes
- Low energy consumption EC fan: 100% controllable via a 0-10 V signal or 3 operating speeds
- Air flow from 82 to 1293 m<sup>3</sup>/h
- Static pressure up to 120 Pa
- Many air inlet/outlet configurations
- Left or right water / electric connections

## Advantages

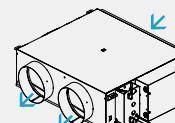
- Excellent performances: FCEER and FCCOP up to "A"
- Silent units: internal acoustic and thermal insulation
- Highly customisable: many aeraulic configurations and selection of hydraulic, and electric service side
- Ease of installation: very low height (223 mm)
- Easy maintenance: direct access to the internal components
- Mono-bloc drain pan
- 100% factory tested

## Air inlet/outlet configurations.

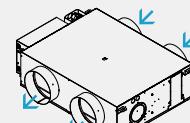
### I configurations.



Rectangular return and  
discharge (standard).

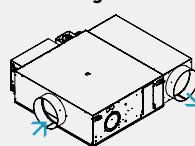


Rectangular return and  
circular discharge.



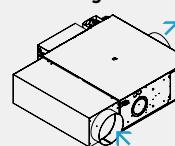
Circular return and  
discharge.

### J configuration.



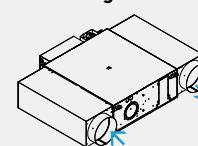
Circular return and  
discharge.

### L configuration.



Circular return and  
discharge.

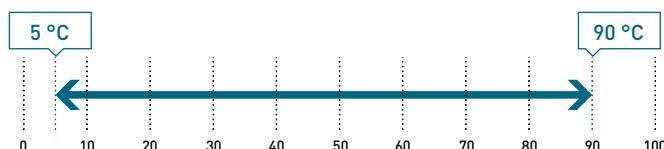
### U configuration.



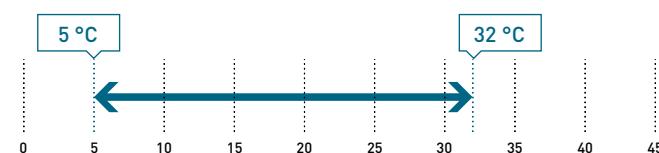
Circular return and  
discharge.

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning  
selection program: <https://acselect.panasonic.eu/>



## Technical features

Fan coil duct EC fan	P-FD10	P-FD15	P-FD20	P-FD25	P-FD30	P-FD40
	2V/7,35V/10V <sup>1)</sup>	3,8V/6,00V/8,2V <sup>1)</sup>	4,8V/7,15V/8,9V <sup>1)</sup>	3,1V/3,9V/4,85V <sup>1)</sup>	2V/6V/10V <sup>1)</sup>	2,1V/5,5V/10V <sup>1)</sup>
<b>2-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	0,7/1,2/1,5	1,39/1,88/2,06	1,83/2,42/2,74	2,42/2,77/3,2	1,90/3,66/4,80
Sensible capacity <sup>2)</sup>	kW	0,67/1,08/1,36	1,16/1,6/1,96	1,46/1,92/2,21	1,96/2,24/2,63	1,42/2,82/3,68
Water flow <sup>2)</sup>	l/h	121/207/258	239/324/355	315/416/472	416/477/551	327/630/827
Water pressure drop <sup>2)</sup>	kPa	2,38/5,29/7,52	6,1/9,3/10,5	9,5/15,5/19,5	19,7/25,3/33,1	15,2/44/70,3
Heating capacity <sup>3)</sup>	kW	0,51/1,28/1,82	1,45/2,07/2,55	2,07/2,47/2,59	2,58/3,02/3,39	1,90/3,83/5,01
Water flow <sup>3)</sup>	l/h	87,8/220/313	250/357/439	357/425/446	444/520/584	327/660/863
Water pressure drop <sup>3)</sup>	kPa	1,54/5,85/10,3	6,5/10,6/14,3	11,9/16,1/17,6	22,3/30/37,3	10,3/37,6/62,8
<b>4-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	0,71/1,35/1,58	1,34/1,78/2,18	1,78/2,38/2,74	2,19/2,69/2,94	1,72/3,54/4,57
Sensible capacity <sup>2)</sup>	kW	0,67/1,20/1,42	1,11/1,52/1,73	1,42/1,9/2,22	1,73/2,16/2,39	1,24/2,61/3,39
Water flow <sup>2)</sup>	l/h	122/233/272	231/307/376	306/410/472	377/463/506	296/610/787
Water pressure drop <sup>2)</sup>	kPa	2,43/6,36/8,18	5,8/8,5/11,4	9,1/15,1/19,5	13,3/19,4/22,9	8,6/32,4/52,7
Heating capacity <sup>4)</sup>	kW	0,65/1,66/2,16	1,79/2,54/2,88	2,6/3,02/3,12	3,16/3,59/4,03	1,73/3,27/4,10
Water flow <sup>4)</sup>	l/h	56/143/186	154/219/248	224/260/269	308/344/385	149/282/353
Water pressure drop <sup>4)</sup>	kPa	1,36/4,88/7,24	5,9/11,1/13,9	12,1/18/19,7	11,5/14,9/18,9	3,27/12,3/19,6
<b>Sound levels</b>						
Sound power return + radiated <sup>5)</sup>	2-pipes	dB(A)	31/52/55	44/55/60	46/57/61	50/55/61
	4-pipes	dB(A)	29/52/55	44/55/60	50/57/61	50/55/61
Sound power discharge <sup>5)</sup>	2-pipes	dB(A)	31/51/55	41/52/58	50/57/61	50/56/61
	4-pipes	dB(A)	34/51/57	41/52/58	50/57/61	50/56/61
Sound pressure <sup>6)</sup>	2-pipes	dB(A)	<20/35/38	26/37/42	31/40/44	33/39/44
	4-pipes	dB(A)	<20/35/38	26/37/42	31/40/44	33/39/44
NR <sup>6)</sup>	2-pipes		9/30/33	21/32/37	26/35/39	28/34/39
	4-pipes		6/30/33	21/32/37	26/35/39	28/34/39
<b>Ventilation</b>						
Number of fans		1	1	1	1	1
Air flow <sup>5)</sup>	2-pipes	m <sup>3</sup> /h	82/247/357	255/383/491	360/501/599	448/541/642
	4-pipes	m <sup>3</sup> /h	85/292/384	228/351/452	331/467/560	413/503/602
External static pressure	2-pipes	Pa	3,3/30/62,6	22/50/82	26/50/72	34/50/70
	4-pipes	Pa	2,5/30/51,8	21/50/83	25/50/72	34/50/72
<b>Electrical data</b>						
	Voltage	V	230	230	230	230
Power supply	Phase		Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50/60	50/60	50/60	50/60
Consumption	2-pipes	W	7/19/35	11/29/56	19/50/70	25/41/64
	4-pipes	W	7/20/36	11/28/53	20/47/76	26/41/69
Electric heater		W	500	600/1000	600/1000	1000/2000
<b>Water connections</b>						
Connection type		Gas Female threaded	Gas Female threaded	Gas Female threaded	Gas Female threaded	Gas Female threaded
2 or 4-pipes	Cooling	Inch	1/2	1/2	1/2	1/2
4-pipes	Heating	Inch	1/2	1/2	1/2	1/2
<b>Dimensions and weight</b>						
Dimension without drain pan	LxWxH	mm	633x631x223	733x631x223	833x631x223	933x631x223
Weight	kg	14	16	18	20	22
						29

Energy efficiency class<sup>7)</sup>

Fan coil duct EC fan	FCEER	C	B	B	B	—	A
2-pipes	FCCOP	C	A	B	A	—	A
4-pipes	FCEER	C	B	B	B	—	A
	FCCOP	C	A	A	A	—	A

1) Fan standard factory set speeds [voltage]. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

4) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 5) According to Eurovent 6/10 [air flow test method] and 8/12 [sound test method]. 6) Informative data, considering an hypothetical sound attenuation of the room and installation of 21 dB(A). 7) According to Eurovent.

\* Data with I configuration with rectangular return and discharge and G2 (DT10/15/20/25/30) or G3 (DT40) filter.

Accessories and options
2 way or 3 way valves
Circuit breakers
Condensate drain pump
Ecospeed card for EC fans
Electric heaters (from 500 W to 2500 W)
Fresh air intake
Fuse holder
G2/G3 filter

Accessories and options
Many air inlet/outlet configurations
Electromechanical sensor for automatic change over
Modbus communication board for Plogic
Other speeds configuration (standard factory set speeds in technical features table)
SRC - mini BMS controller
Suspension kit

Accessories and options
Plogic controller (other electromechanical or electronic control systems also available)
TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
WRC: wall-mounted remote control for Plogic



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Fan coil high static duct AC fan

Fan coil high static pressure ductable units with cooling and heating.

**Cooling capacity:** 4,1 to 24,8 kW.

**Heating capacity:** 4,1 to 25,0 kW.



Optional controller.  
WRC remote control.



Optional controller.  
SRC - mini BMS  
controller.



Optional controller.  
Electronic controller  
TControl POD glass.



Optional controller.  
Electronic controller  
TControl EASY 3S.



Optional controller.  
Wired remote  
controller with  
touch control.  
PAW-FC-907AC



Optional controller.  
Wired remote  
controller.  
PAW-FC-903AC

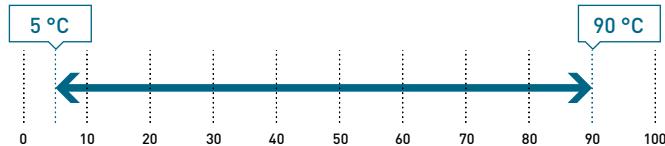


Optional controller.  
Advanced wired  
remote controller.  
PAW-FC-RC1

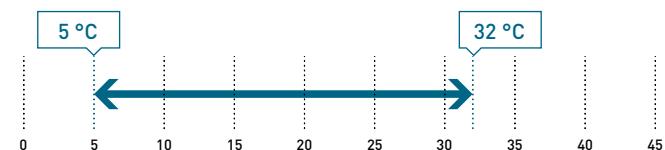
+ SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>

## The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 6 sizes
- 5 or 4-speed AC fan - standard factory set speeds. 07/15/18/21: S1,S3,S5 (5-speed fan motor) and 24/27: S1,S2,S3 (4-speed fan motor)
- Air flow from 586 to 3451 m<sup>3</sup>/h
- High available static pressure up to 220 Pa
- Left or right water / electric connections

## Advantages

- Very low acoustic level at low speed (double skin insulation available as an accessory)
- Selection of hydraulic and electric service side
- Ease of installation and maintenance
- 100% factory tested

## Accessories and options

- 2 way or 3 way valves
- Auxiliary drain pan
- Circuit breakers
- Condensate drain pump
- Double skin acoustic insulation
- Electric heaters (from 1000 W to 3000 W)
- Fresh air intake
- Fuse holder
- G3/G4 filter
- Inlet and outlet plenums for circular ducts (07 only)
- Electromechanical sensor for automatic change over
- Modbus communication board for Plogic
- Other speeds configuration (standard factory set speeds in technical features table)
- SRM - mini BMS controller
- Suspension kit
- Plogic controller (other electromechanical or electronic control systems also available)
- TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
- WRC: wall-mounted remote control for Plogic



## Technical features

Fan coil high static duct AC fan	P-FH07	P-FH15	P-FH18	P-FH21	P-FH24	P-FH27
	S1/S3/S5 <sup>1)</sup>	S1/S3/S5 <sup>1)</sup>	S1/S3/S5 <sup>1)</sup>	S1/S3/S5 <sup>1)</sup>	S1/S2/S3 <sup>1)</sup>	S1/S2/S3 <sup>1)</sup>
<b>2-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	4,43/5,32/5,59	6,9/11,48/13,33	6,32/11,48/13,87	7,07/13,7/17	14,78/16,67/19,03
Sensible capacity <sup>2)</sup>	kW	3,14/3,97/4,25	5,04/9,19/11,23	4,94/9,48/11,89	4,93/9,94/12,5	10,68/12,27/14,23
Water flow <sup>2)</sup>	l/h	765/919/965	1191/1982/2302	1091/1982/2395	1221/2365/2935	2552/2878/3286
Water pressure drop <sup>2)</sup>	kPa	27,4/39,2/43,5	7,9/19,8/26,1	6,8/19,6/27,6	8,5/28,7/43,5	14,7/18,3/23,3
Heating capacity <sup>3)</sup>	kW	4,06/5,53/6,7	6,6/12/15,48	7,2/14/18,01	6,95/13,9/17,8	15/17,4/20,9
Water flow <sup>3)</sup>	l/h	701/955/1157	1140/2072/2673	1243/2417/3110	1200/2400/3073	2590/3004/3609
Water pressure drop <sup>3)</sup>	kPa	24,1/43,5/63,2	5/17,9/26,3	6,1/16,1/24,3	12,4/21,8/34,1	11,4/21,9/28,1
<b>4-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	4,05/4,84/5,08	6,38/10,08/11,33	6,77/11,18/12,83	7,75/14,38/17,43	13,68/15,27/17,13
Sensible capacity <sup>2)</sup>	kW	2,86/3,57/3,8	4,76/8,42/10,13	5,01/9,13/11,13	5,45/10,58/13,23	10,18/11,67/13,33
Water flow <sup>2)</sup>	l/h	699/836/877	1102/1740/1956	1169/1930/2215	1338/2483/3009	2362/2637/2958
Water pressure drop <sup>2)</sup>	kPa	31/43/47,2	5,8/13,3/16,9	6,9/17,1/22,6	11,1/34,9/50,9	15,3/18,8/23,3
Heating capacity <sup>4)</sup>	kW	5,5/7/7,7	9,6/17/21	9,7/17,06/21	9,7/17,1/21	10,9/12,9/15,2
Water flow <sup>4)</sup>	l/h	475/604/665	829/1468/1813	837/1473/1813	837/1476/1813	941/1114/1312
Water pressure drop <sup>4)</sup>	kPa	9/13,3/15	32,7/92,1/134	20,2/56,1/80	20,2/56,1/80	30,8/39/49,5
<b>Sound levels</b>						
Sound power return + radiated <sup>5)</sup>	2-pipes	dB(A)	57/60/63	52/66/72	54/66/74	52/66/72
	4-pipes	dB(A)	54/60/63	52/66/72	52/66/72	55/69/73
Sound power discharge <sup>5)</sup>	2-pipes	dB(A)	53/59/62	52/64/71	52/64/71	64/67/72
	4-pipes	dB(A)	53/59/62	52/64/71	52/64/71	64/67/72
Sound pressure <sup>6)</sup>	2-pipes	dB(A)	33/39/42	31/45/51	31/45/51	31/45/51
	4-pipes	dB(A)	33/39/42	31/45/51	31/45/51	44/48/52
NR <sup>6)</sup>	2-pipes		27/34/37	27/40/47	27/40/47	40/44/48
	4-pipes		27/34/37	27/40/47	27/40/47	40/44/48
<b>Ventilation</b>						
Number of fans		1	1	1	1	1
Filter		G3	G3	G3	G3	G3
Air flow <sup>5)</sup>	2-pipes	m <sup>3</sup> /h	703/977/1125	960/2112/2830	960/2112/2830	960/2112/2830
	4-pipes	m <sup>3</sup> /h	586/824/974	960/2112/2830	960/2112/2830	960/2112/2830
External static pressure	2-pipes	Pa	30/50/70	15/50/90	15/50/90	15/50/90
	4-pipes	Pa	25/50/70	15/50/90	15/50/90	15/50/90
<b>Electrical data</b>						
Power supply	Voltage	V	230	230	230	230
	Phase		Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50/60	50/60	50/60	50/60
Consumption	W	132/182/222	180/421/675	180/421/675	180/421/675	420/530/673
Electric heater	W	2000	3000	3000	3000	3000
<b>Water connections</b>						
Connection type		Gas Female threaded	Gas Male threaded	Gas Male threaded	Gas Male threaded	Gas Male threaded
2-pipes	Inch	1/2	1	1 1/4	1 1/4	1 1/4
4-pipes	Cooling	Inch	1/2	1	1	1 1/4
	Heating	Inch	1/2	3/4	3/4	3/4
<b>Dimensions and weight</b>						
Dimension	LxWxH	mm	1200x698x250	1380x798x375	1380x798x375	1500x798x450
Weight	kg	42	63	65	67	76
						80

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 4) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 5) According to Eurovent 6/10 (air flow test method) and 8/12 (sound test method). 6) Informative data, considering an hypothetical sound attenuation of the room and installation of 21 dB(A).

\* Data with I configuration with rectangular return and discharge.



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Fan coil high static duct EC fan

Fan coil high static pressure ductable units with cooling and heating.

**Cooling capacity:** 3,2 to 21,9 kW.

**Heating capacity:** 2,5 to 24,1 kW.



Optional controller.  
WRC remote control.



Optional controller.  
SRC - mini BMS  
controller.



Optional controller.  
Electronic controller  
TControl POD glass.



Optional controller.  
Electronic controller  
TControl EASY 3S.



Optional controller.  
Wired remote controller  
with touch control.  
PAW-FC-907EC

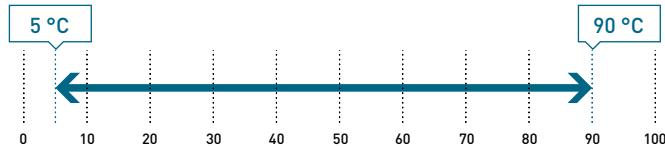


Optional controller.  
Wired remote controller.  
PAW-FC-903EC

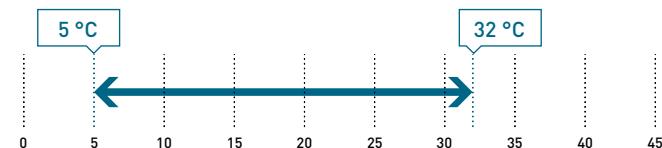
+ SEE PAGE 96 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

## Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



## AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>

## The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 6 sizes
- Low energy consumption EC fan: 100% controllable via a 0-10 V signal or 3 operating speeds
- Air flow from 320 to 3568 m³/h
- High available static pressure up to 220 Pa
- Left or right water / electric connections

## Advantages

- Excellent performances: FCEER and FCCOP up to "A"
- Very low acoustic level at low speed (double skin insulation available as an accessory)
- Selection of hydraulic and electric service side
- Ease of installation and maintenance
- 100% factory tested

## Accessories and options

- 2 way or 3 way valves
- Auxiliary drain pan
- Circuit breakers
- Condensate drain pump
- Double skin acoustic insulation
- Electric heaters (from 1000 W to 3000 W)
- Fresh air intake
- Fuse holder
- G3/G4 filter
- Inlet and outlet plenums for circular ducts (07 only)
- Electromechanical sensor for automatic change over
- Modbus communication board for Plogic
- Other speeds configuration (standard factory set speeds in technical features table)
- SRM - mini BMS controller
- Suspension kit
- Plogic controller (other electromechanical or electronic control systems also available)
- TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
- WRC: wall-mounted remote control for Plogic



## Technical features

Fan coil high static duct EC fan	P-FH07	P-FH15	P-FH18	P-FH21	P-FH24	P-FH27
	3,33V/5,87V/8,67V <sup>1)</sup>	2V/4V/5V <sup>1)</sup>	2V/4V/5V <sup>1)</sup>	2V/4V/5V <sup>1)</sup>	2V/5V/7V <sup>1)</sup>	2V/5V/7V <sup>1)</sup>
<b>2-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	3,26/4,90/5,88	7,93/10,1/11,1	8,98/11,7/12,8	9,79/12,7/13,9	10,6/16,1/17,6
Sensible capacity <sup>2)</sup>	kW	2,05/3,59/4,56	6,08/8,05/8,9	6,71/9,02/10	7,14/9,55/10,60	7,84/12,4/13,7
Water flow <sup>2)</sup>	l/h	562/844/1013	1369/1744/1917	1551/2020/2210	1690/2193/2400	1826/2780/3039
Water pressure drop <sup>2)</sup>	kPa	15/33,5/48,1	13,2/19,8/23	9,1/14,2/16,7	10,2/15,4/17,9	8,04/18,4/21,4
Heating capacity <sup>3)</sup>	kW	2,47/5,61/9,26	8,66/11,7/13	9,48/13,1/14,6	9,99/14,1/15,8	10,9/17,6/19,5
Water flow <sup>3)</sup>	l/h	425/966/1595	1495/2020/2245	1637/2262/2521	1725/2435/2728	1872/3039/3367
Water pressure drop <sup>3)</sup>	kPa	7,2/33,7/89,0	12,2/20,6/24,9	8,2/14,2/17,3	8,3/15/18,5	10,9/21,5/25,8
<b>4-pipes</b>						
Total cooling capacity <sup>2)</sup>	kW	3,22/4,74/5,54	6,57/8,21/8,91	7,4/9,26/10	8,92/11,3/12,4	9,51/14/15,2
Sensible capacity <sup>2)</sup>	kW	2,12/3,48/4,25	5,2/6,76/7,43	5,7/7,48/8,24	6,66/8,75/9,64	7,13/11/12,1
Water flow <sup>2)</sup>	l/h	555/817/954	1134/1418/1538	1278/1599/1727	1540/1951/2141	1642/2417/2624
Water pressure drop <sup>2)</sup>	kPa	20,6/41,4/55,3	6,6/10,2/12	8/11,2/12,7	11,2/16,7/19,4	9,4/18,7/21,9
Heating capacity <sup>4)</sup>	kW	3,93/6,81/9,05	5,85/7,45/8,13	10/12,9/14,2	10/11,9/14,2	8/11,9/13
Water flow <sup>4)</sup>	l/h	338/586/779	505/643/702	863/1114/1226	863/1114/1226	691/1027/1122
Water pressure drop <sup>4)</sup>	kPa	5,6/12,5/19,5	14,1/21,4/25	23/35/40,9	22,8/34,8/40,8	13,5/27,5/32,1
<b>Sound levels</b>						
Sound power return + radiated <sup>5)</sup>	2-pipes	dB(A)	54/60/63	56/65/67	56/65/67	58/69/73
	4-pipes	dB(A)	54/60/63	56/65/67	56/65/67	58/69/73
Sound power discharge <sup>5)</sup>	2-pipes	dB(A)	53/59/62	56/64/65	56/64/65	58/67/72
	4-pipes	dB(A)	53/59/62	56/64/65	56/64/65	58/67/72
Sound pressure <sup>6)</sup>	2-pipes	dB(A)	33/39/42	35/44/46	35/44/46	37/48/52
	4-pipes	dB(A)	33/39/42	35/44/46	35/44/46	37/48/52
NR <sup>6)</sup>	2-pipes		27/34/37	31/40/42	31/40/42	33/44/48
	4-pipes		27/34/37	31/40/42	31/40/42	33/44/48
<b>Ventilation</b>						
Number of fans		1	1	1	1	1
Filter		G3	G3	G3	G3	G3
Air flow <sup>5)</sup>	2-pipes	m <sup>3</sup> /h	347/849/1293	1360/2044/2335	1360/2044/2335	1360/2044/2335
	4-pipes	m <sup>3</sup> /h	320/803/1229	1360/2044/2335	1360/2044/2335	1360/2044/2335
External static pressure	2-pipes	Pa	8/50/116	22/50/65	22/50/65	22/50/65
	4-pipes	Pa	8/50/117	22/50/65	22/50/65	22/50/65
<b>Electrical data</b>						
Power supply	Voltage	V	230	230	230	230
	Phase		Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50/60	50/60	50/60	50/60
Consumption	2-pipes	W	10/62/197	61/172/246	61/172/246	57/237/364
	4-pipes	W	10/60/189	61/172/246	61/172/246	57/237/364
Electric heater	W		2000	3000	3000	3000
<b>Water connections</b>						
Connection type		Gas Female threaded	Gas Male threaded	Gas Male threaded	Gas Male threaded	Gas Male threaded
2-pipes	Inch	1/2	1	1 1/4	1 1/4	1 1/4
4-pipes	Cooling	Inch	1/2	1	1	1 1/4
	Heating	Inch	1/2	3/4	3/4	3/4
<b>Dimensions and weight</b>						
Dimension	LxWxH	mm	1200x698x250	1380x798x375	1380x798x375	1380x798x375
Weight	kg		42	63	65	67
					76	80

Energy efficiency class<sup>7)</sup>

Fan coil high static duct EC fan	FCEER	A	A	A	B	A
2-pipes	FCCOP	—	A	A	A	A
4-pipes	FCEER	—	B	B	A	A
	FCCOP	—	B	A	A	B

1) Fan standard factory set speeds (voltage). 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

4) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 5) According to Eurovent 6/10 (Air flow test method) and 8/12 (Sound test method). 6) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A). 7) According to Eurovent.

\* Data with I configuration with rectangular return and discharge.



ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

# Smart fan coils

Smart fan coils units with cooling and heating.

**Cooling capacity: 0,3 to 2,5 kW.**

**Heating capacity: 0,2 to 2,1 kW.**



Built-in advanced thermostat.

## The range at a glance

- 4 operation modes (auto, silent, night-time and maximum ventilation speed)
- Exclusive design
- Extremely compact (only 129 mm deep)
- Cooling and dehumidification functions possible (drain is needed)
- 3-way valve included (no overflow valve needed on the installation if more than 3 units installed)
- Touch screen thermostat

## Stylish floor-standing fan coils with advanced controller

**The slimline of Smart fan coils delivers high efficiency climate control.**

With a depth of just under 130 mm they are at the cutting edge of the market. Blending easily into the home, Smart fan coil's elegant design and product refinements are clear to see in every detail.

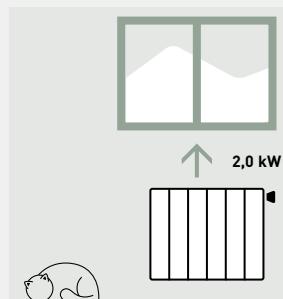
Exceptional ventilation efficiency means the motor uses considerably less energy (low wattage). The fan speed is continuously modulated by the temperature controller with proportional integral logic, with undoubtedly advantages for regulating the temperature and humidity in summer mode.

### Accessories and options

Kits of 2 legs to protect the water pipings

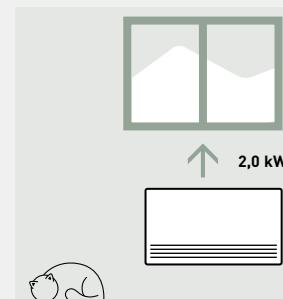
Motor connection cable for units with hydraulic connections on the right

### With standard cast radiators.



Water at 65 °C needed.

### With Smart fan coil.



Water at 35 °C needed.

All temperature curves and capacity are available on [www.panasonicproclub.com](http://www.panasonicproclub.com)

**PRO Club**



## Technical features

Smart fan coils		PAW-AAIR-200-2	PAW-AAIR-700-2	PAW-AAIR-900-2	PAW-AAIR-1100-2
Total cooling capacity	Lo/Med/Hi	kW	0,3/0,5/0,6	0,6/0,9/1,5	0,8/1,6/2,1
Sensible capacity	Lo/Med/Hi	kW	0,2/0,4/0,6	0,5/0,9/1,3	0,7/1,3/1,9
Water flow	Lo/Med/Hi	kg/h	51,1/89,4/106,3	96,0/155,2/251,1	140,8/267,2/365,7
Water pressure drop	Lo/Med/Hi	kPa	3,3/5,7/6,1	1,1/2,1/4,2	1,5/5,8/10,3
Inlet water temperature		°C	10	10	10
Outlet water temperature		°C	15	15	15
Inlet air temperature		°C	27	27	27
Outlet air temperature	Lo/Med/Hi	°C	12,8/13,2/14,9	14,6/14,8/14,0	15,8/14,6/14,4
Relative humidity of inlet air		%	47	47	47
Total heating capacity	Lo/Med/Hi	kW	0,2/0,4/0,5	0,4/0,8/1,2	0,6/1,2/1,6
Water flow	Lo/Med/Hi	kg/h	38,4/70,5/92,8	72,7/139,2/201,6	114,0/204,2/284,5
Water pressure drop	Lo/Med/Hi	kPa	1,0/2,3/3,0	0,5/1,5/3,1	1,0/3,3/6,6
Inlet water temperature		°C	35	35	35
Outlet water temperature		°C	30	30	30
Inlet air temperature		°C	19	19	19
Outlet air temperature	Lo/Med/Hi	°C	33,5/33,3/30,9	30,1/31,4/31,8	30,1/31,1/31,2
Air flow	Lo/Med/Hi	m³/h	54/114/162	156/252/318	246/366/462
	Voltage	V	230	230	230
Power supply	Phase		Single phase	Single phase	Single phase
	Frequency	Hz	50/60	50/60	50/60
Maximum input power	Lo/Med/Hi	W	7,0/9,0/13,0	14,0/18,0/22,0	16,0/20,0/24,0
Sound pressure	Lo/Med/Hi	dB(A)	24/33/39	25/34/40	25/34/42
Dimension (HxWxD)		mm	579 x 735 x 129	579 x 935 x 129	579 x 1135 x 129
Net weight		kg	17	20	23
3 Ways valve included			Yes	Yes	Yes
Touch screen thermostat			Yes	Yes	Yes

\* Smart fan coils is produced by Innova.



## Fan coil controllers

Panasonic has a wide, technological range of controllers and control systems suitable for installation within a wide variety of locations such as office, hotel, and residential applications. These controllers are compatible with AC and EC fans and allow users to take advantage of the improved performance and efficiency and thus energy savings. Most of our controllers have an intuitive user interface to easily setup the desired configurations.



## 1 Individual controllers

Thanks to these controllers it is possible to control one fan coil unit individually. All our controllers fall into this category. Depending on the model, they can have different features: possibility to set the desired temperature, compatibility with AC and EC fans, LCD display, wall or unit mounting.

## 2 Group controllers

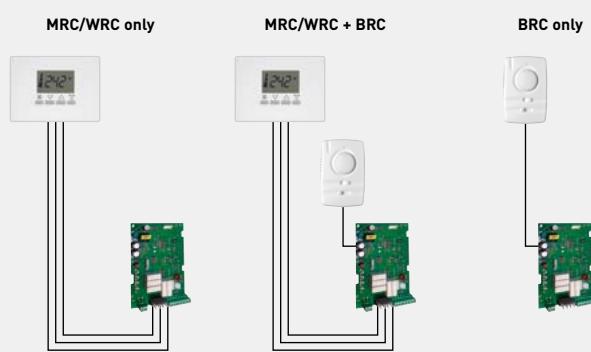
These controllers allow the control of more than one fan coil unit per controller but maintaining the same fan and temperature settings (a slight temperature variation is possible within the same zone). Plogic is the Panasonic group controller that allows you to control multiple units with a single control.

## 3 Centralized and group controller

Due to the advanced technical capability, it is possible to control different climatic zones with different settings and ambient conditions. The combination of Plogic + BMS and SRC are the perfect example for this type of control.

## Plogic (zone controller) with remote control

### 1| Plogic. Different individual control possibilities.

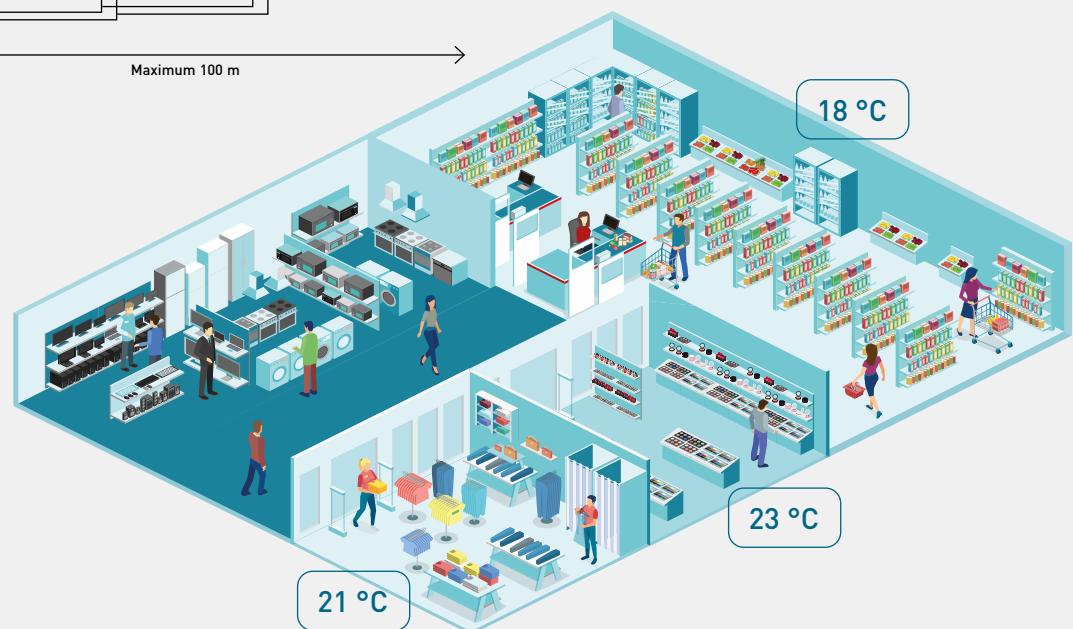
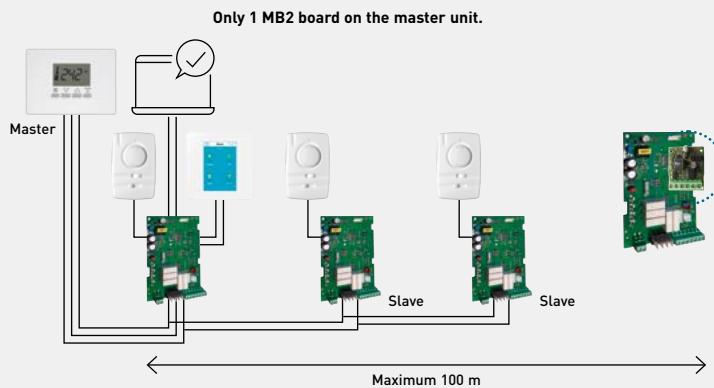


### 2| Plogic. Group control (without BMS).



1) Up to 15 Plogic/fan coil units. Fan coil units can be of different types, with AC or EC fan motor.

### 3| Centralized and group control with BMS and SRC.



## Electro-mechanical and electronic control systems



TRM-FA

Plogic

2-pipes (cooling or heating)	✓	✓
2-pipes heat pump	✓	✓ <sup>1)</sup>
2-pipes cooling + electric heater (< 2000 W)	—	✓
2-pipes heat pump + electric heater (< 2000 W)	—	✓ <sup>1)</sup>
4-pipes	✓	✓
Communication protocol	—	Modbus (with MB2 card)
SRC mini BMS compatibility	—	✓

### Functions

Changeover	Manual	Manual or Auto
Fan speed selection	Manual	Manual or Auto
Fan operation	Cyclic <sup>3)</sup>	Continuous <sup>4)</sup> or cyclic <sup>3)</sup>
Master/slave	—	✓ Up to 15 slave units
Time programming	—	—

### Fan compatibility

AC	✓	✓
EC with ecospeed card	✓	—
EC 0-10 V	—	✓

### Valve compatibility

ON / OFF 230 V	✓	✓
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### Controller power supply

230 V	—	✓
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### Mounting type

Wall-mounted or mounted on the unit	Wall	Unit
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1) Changeover Auto only with 2 or 4 way valves. 2) Changeover Auto only with 4 way valves. 3) Cyclic: fan stops when the set point is reached. 4) Continuous: fan continues running after the set point is reached.

## SRC - mini BMS controller

### Smart controller. Mini building management system.

- Supervise Panasonic fan coil units, chillers/heat pumps, air handling units and water source heat pumps<sup>1)</sup>
- Can be used as a mini BMS or a remote control
- Manage up to 15 zones and 31 units
- Communicate via Modbus protocol
- Time programming function
- A modern and refined design
- 3,5" color touch screen
- Wall mounting

1) Consult documentation for more details.





TControl EASY 3S	TControl POD glass	PAW-FC-RC1	PAW-FC-903EC PAW-FC-907EC	PAW-FC-903AC PAW-FC-907AC
✓	✓	✓	✓	✓
✓ <sup>2)</sup>	✓ <sup>2)</sup>	—	—	—
—	✓	—	—	—
—	—	—	—	—
✓	✓	✓	✓	—
—	Modbus	Modbus	Modbus	—
—	✓	✓	✓	—
Manual or Auto	Manual or Auto	Manual or Auto	Manual	Manual
Manual or Auto	Manual or Auto	Manual or Auto	Manual or Auto	Manual or Auto
Continuous <sup>4)</sup> or cyclic <sup>3)</sup>	Continuous <sup>4)</sup> or cyclic <sup>3)</sup>	—	Continuous <sup>4)</sup> or cyclic <sup>3)</sup>	Continuous <sup>4)</sup> or cyclic <sup>3)</sup>
—	—	—	—	—
—	✓	—	—	—
✓	✓	✓	—	✓
✓	—	—	—	—
—	✓	—	✓	—
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
Wall (embedded)	Wall (surface or embedded)	Wall (embedded)	Wall (embedded)	Wall (embedded)

## Remote controls

### Plogic.

Wall mounting (surface) or mounted on the unit.



1) Integrated temperature sensor.

Compatibilities	Fan coil comfort	Fan coil cassette	Fan coil wall	Fan coil duct	Fan coil high static duct
TRM-FA	✓	✓	✓ <sup>1)</sup>	✓	✓
Plogic	✓	✓	✓ <sup>1)</sup>	✓	✓
TControl POD glass	✓	✓	✓ <sup>1)</sup>	✓	✓
TControl EASY 3S	✓	✓	✓ <sup>1)</sup>	✓	✓
PAW-FC-RC1	✓	✓	✓ <sup>1)</sup>	✓	✓
PAW-FC-903EC PAW-FC-907EC	✓	✓	—	✓	✓
PAW-FC-903AC PAW-FC-907AC	✓	✓	✓ <sup>1)</sup>	—	✓

1) Louvres must be manually operated with these controllers.