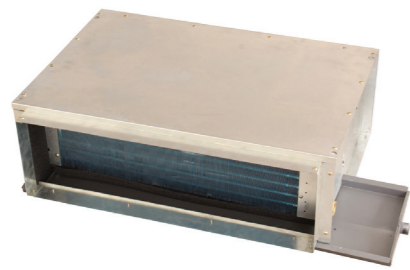


**Ceiling concealed type FCU-LOW ESP 34 ÷ 238**

**Water terminal units**

Indoor installation  
**Capacity from 1.8 to 12 kW**

**FP-WAC**



The ceiling concealed type water terminals is designed for installations where air is conducted at low pressure, their fans give enough static pressure to distribute air to different spaces, through conducting systems, grilles or diffusers.

- ※ Water connections reversibility during installation
- ※ 1-row additional coil for 4-pipe system ( This is optional part.)
- ※ The available controls are simple and user-friendly, satisfying the most
- Varied of requirements, with top-of-the-range electronic control designed for connection to the HM Control or general supervisors.
- ※ available in 4 kinds of ESP(12,30,50,60Pa).
- ※ easy installation and maintenance

**functions and features**

Cooling-heating	Indoor Inst.	Horizontal inst.	Refrig. Water	Group Control

**available configurations**

	(1)	(2)	(3)	(4)	(5)	
<b>FP-WAC(L3)</b>	34	R3	TR	EH	L	3V2-C
<b>FP-WAC(L3)</b>	---2-pipe 3 rows coil					
<b>FP-WAC(L4)</b>	---2-pipe 4 rows coil					

<p><b>(1) VARYING INTAKE</b> R3=Bottom intake RF=Front intake</p>	<p><b>(2) CONTROLS</b> TR =Fan terminal board (standard) SPS=3-speed switch TSC=thermostat switch PCW=Electronic PCB +wired wall pad</p>
<p><b>(3) WATER COIL / ELECTRICAL HEATER</b> -----Not required Standard HC=Hot water coil 1Rows (4-pipe system) EH=Electrical heater</p>	<p><b>(4) WATER FITTINGS</b> L=Water fittings to the left R=Water fittings to the right Water connections reversibility during installation</p>
<p><b>(5) VALVES</b> -- = Not required Standard 2V2-C = ON/OFF 2 way valve for 2-pipe unit for WAC 3V2-C = ON/OFF 3 way valve for 2-pipe unit for WAC</p>	
<p>2V4-C = ON/OFF 2 way valve for 4-pipe unit for WAC 3V4-C = ON/OFF 3 way valve for 4-pipe unit for WAC</p>	

**technical data**

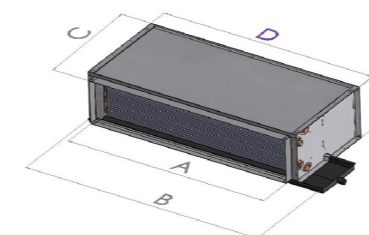
FPWAC(L3)-V model	UNIT	34	51	68	85	102	136	170	204	238
Cooling capacity of WAC(L3) (1)	KW	1.75	2.68	3.64	4.48	5.35	7.18	8.95	10.6	12
Sensible cooling capacity of WAC(L3)	kW	1.27	1.90	2.54	3.17	3.8	5.07	6.34	6.54	8.1
Heating capacity of WAC(L3) (2)	KW	2.1	2.8	4.1	5	5.68	7.67	9.1	10.6	11.9
Cooling capacity of WAC(L4) (1)	KW	2.2	3.4	4.7	5.3	7.3	9.3	12.4	14.9	16.2
Sensible cooling capacity of WAC(L4)	KW	1.5	2.3	3.2	3.7	4.7	6.1	8.1	9.7	10.3
Heating capacity of WAC(L4) (2)	KW	2.4	3.5	4.6	5.6	7.0	9.1	12.9	16.1	17.5
Total power input	W	33	47	56	72	89	111	140	180	221
Air flow rate	m³/h	340	510	680	850	1020	1360	1700	2040	2380
Sound pressure level (3)	dB(A)	37	39	41	43	45	46	48	50	52
Power supply	V/Ph/Hz	230/1/50								

- (1) Ambient air at 27°C; 50% R.H.; water at inlet 7°C and outlet 12°C
  - (2) Ambient air at 20°C; water at inlet 50°C and water flow same to cooling mode
  - (3) Sound levels refer to units with full load under nominal test conditions.
- The sound pressure is measured at 1 m from the external surface of the unit in open field conditions.

FPWAC-P model	UNIT	34	51	68	85	102	136	170	204	238
Cooling capacity (1)	KW	1.75	2.68	3.64	4.48	5.35	7.18	8.95	10.6	12
Sensible cooling capacity	kW	1.27	1.90	2.54	3.17	3.8	5.07	6.34	6.54	8.1
Total power input	W	33	47	56	72	89	111	140	180	221
Heating capacity(2)	KW	0.7	1.2	1.9	2.6	2.86	3.59	4.52	6.36	6.88
Heating capacity(3)	KW	1.4	2.3	3.5	5.25	5.78	7.27	9	12.3	13.3
Air flow rate	m³/h	340	510	680	850	1020	1360	1700	2040	2380
Sound pressure level (4)	dB(A)	37	39	41	43	45	46	48	50	52
Power supply	V/Ph/Hz	230/1/50								

- (1) Ambient air at 27°C; 50% R.H.; water at inlet 7°C and outlet 12°C
  - (2) Ambient air at 20°C; water at inlet 50°C and outlet 40°C.
  - (3) Ambient air at 20°C; water at inlet 70°C and outlet 60°C.
  - (4) Sound levels refer to units with full load under nominal test conditions.
- The sound pressure is measured at 1 m from the external surface of the unit in open field conditions.

**dimensions and functional spaces**



MODEL	WAC-34	WAC-51-68	WAC-85-102	WAC-136-170	WAC-204-238
A	590	740	1090	1290	1590
B	770	920	1270	1470	1770
C	495				
D	648	798	1148	1348	1648
E	240				