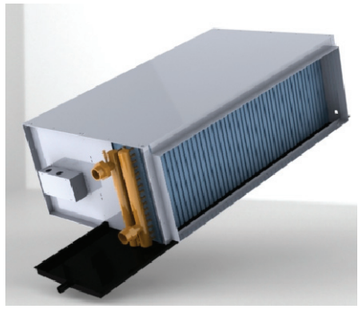
Ceiling concealed type FCU-High ESP 136 ÷ 460

Water terminal units

Indoor installation

Capacity from 7.2 to 24.3 kW FP-WAB



The ceiling concealed type water terminals is designed for installations where air is conducted at high pressure, their fans give enough static pressure to conduit air to different spaces, through

※ 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.

※ easy installation and maintenance

functions and features

Cooling-heating	Indoor Inst.	Horizontalinst.	Refrig. Water	Group Control

available configurations

	(1)	(2)	(3)	(4)	(5)
FP-WAB	136	R3	TR	EH	L	3V2-B

(1) VARYING INTAKE
R3=Bottom intake
RF=Front intake

(2) CONTROLS
TR =Fan terminal board (standard)
SPS=3-speed switch
TSC=thermostat switch
PCW=Electronic PCB +wired wall pad

(3) WATER COIL / ELECTRICAL HEATER
------Not required Standard
HC=Hot water coil 1Rows (4-pipe system)
EH=Electrical heater

(4) WATER FITTINGS
L=Water fittings to the left
R=Water fittings to the right
Water connections reversibility during installation

(5) VALVES
-- = Not required Standard
2V2-B = ON/OFF 2 way valve for 2-pipe unit for WAB
3V2-B = ON/OFF 3 way valve for 2-pipe unit for WAB
2V4-B = ON/OFF 2 way valve for 4-pipe unit for WAB
3V4-B = ON/OFF 3 way valve for 4-pipe unit for WAB

technical data

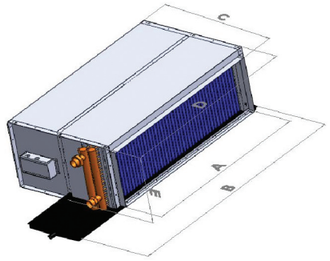
FPWAB-V model	UNIT	136	170	204	238	300	400	460
Cooling capacity of WAB (1)	KW	7.29	9.12	12.05	13.0	15.0	19.3	24.3
Sensible cooling capacity of WAB	kW	4.69	5.75	7.61	8.15	10.98	13.7	16.6
Heating capacity of WAB(2)	KW	7.67	9.1	11.9	13.02	16.8	22	25
Total power input	W	270	550	750	550	620	750	832
Air flow rate	m^3/h	1360	1700	2040	2380	3008	4008	4500
ESP	Pa	90	91	110	105	120	110	110
Sound pressure level (3)	dB(A)	54	56	58	62	66	70	73
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.

FPWAB-P model	UNIT	136	170	204	238	300	400	460
Cooling capacity (1)	KW	7.29	9.12	12.05	13.0	15.0	19.3	24.3
Sensible cooling capacity	kW	4.69	5.75	7.61	8.15	10.98	13.7	16.6
Total power input	W	270	550	750	550	620	750	832
Heating capacity(2)	KW	3.59	4.52	6.36	6.88	9.06	10.5	11
Heating capacity(3)	KW	7.27	9	12.3	13.32	17.8	20.8	22.7
Air flow rate	m^3/h	1360	1700	2040	2380	3008	4008	4500
ESP	Pa	90	91	110	105	120	110	110
Sound pressure level (4)	dB(A)	54	56	58	62	66	70	73
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	WAB-136	WAB-170	WAB-204	
A	557	557	622	
B	920	920	985	
C	800			
D	625	625	690	
E	430			
MODEL	**WAB-238**	**WAB-300**	**WAB-400**	**WAB-460**
A	842	872	1142	1592
B	1205	1235	1505	1955
C	800			
D	910	940	1210	1660
E	430			