

Universal type FCU

34 ÷ 238

Water terminal units

Indoor installation

Capacity from 1.8 to 12 kW

FP-WA(M)U

Universal type FCU



The Universal type terminal unit has been designed for installation in 3 ways: floor standing; wall-mounted and ceiling suspended.

Available in which is with cabinet and FP-WAU which is without cabinet

- ※ 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.
- ※ Metallic protective cabinet with rustproof polyester pai

functions and features

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

available configurations

	(1)	(2)	(3)	(4)	(5)	(6)	
FP-WA(M)U	34	R3	TR	EH	L	3V2	EDPH

<p>(1) VARYING INTAKE R3=Bottom intake RF=Front intake</p>	<p>(2) CONTROLS TR =Fan terminal board (standard) SPS=3-speed switch TSC=thermostat switch PCW=Electronic PCB +wired wall pad</p>
<p>(3) WATER COIL / ELECTRICAL HEATER -----Not required Standard HC=Hot water coil 1Rows (4-pipe system) EH=Electrical heater</p>	<p>(4) WATER FITTINGS L=Water fittings to the left R=Water fittings to the right Water connections reversibility during installation</p>
<p>(5) VALVES -- = Not required Standard 2V2-U = ON/OFF 2 way valve for 2-pipe unit for WA(M)U 3V2L-U = ON/OFF 3 way valve for 2-pipe left unit for WA(M)U 3V2R -U= ON/OFF 3 way valve for 2-pipe right unit for WA(M)U 2V4- U= ON/OFF 2 way valve for 4-pipe unit for WA(M)U 3V4L-U = ON/OFF 3 way valve for 4-pipe left unit for WA(M)U 3V4R-U = ON/OFF 3 way valve for 4-pipe right unit for WA(M)U</p>	<p>(6) EXTERNAL DRAIN PAIN --- = Not required Standard EDPHR-U = Auxiliary drain pan with right water connections for horizontal installation EDPHL-U = Auxiliary drain pan with left water connections for horizontal installation EDPV -U= Auxiliary drain pan for vertical installation</p>

technical data

FPWA(M)U-V 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	2.1	2.8	4.1	5	5.68	7.67	9.1	10.65	11.9
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.

FPWA(M)U-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	WMU-34	WMU-51-68	WMU-85-102	WMU-136-170	WMU-204-238
L	908	1058	1408	1608	1908
W	235				
H	473				



MODEL	WAU-34	WAU-51-68	WAU-85-102	WAU-136-170	WAU-204-238
L	658	808	1158	1358	1658
W	230				
H	460				