FROM 1,3 KW TO 7,3 KW.

FVW 13÷74 FLOYD

FAN COIL UNITS WITH CABINET AND 3-SPEED OR EC INVERTER RADIAL FANS.

floyd®

EC INVERTER FAN

The hydronic Fan Coil units with cabinet of FVW series feature a refined, exclusive design combined with the highest efficiency and noiseless operation.
Part of an hydronic system equipped with a liquid Chiller, **FLOYD** generates cool air silently and with instantaneous reaction. During the winter, if combined with a boiler or heat pump, it provides warm air, making it possible to meet home or business heating needs. A filter, which absorbs and retains dust in suspension, allows to keep the air quality at a suitable level and its easy removal enables continuous cleaning cycles to be carried out, which are particularly important in order to guarantee suitable hygiene standards in highly frequented rooms. All installation needs are considered in the many standard features of the unit. It can be installed horizontally or vertically, with front, bottom or rear intake. There is also a series of accessories, also for 4-Pipe systems, that includes a control panel that is installed on-board or in the room.
Units are available both with 3-Speed or EC Inverter fans. The units equipped with EC Inverter motor are able to modulate the air flow ensuring a perfect adaptability to the load without any temperature fluctuations, achieving superior performance compared to the traditional solutions even from energy consumption point of view.

VERSION

FVW/VP	***FVW/VH***	***FVW/VE***	***FVW/VO***
Vertical unit with bottom inlet and vertical delivery	Vertical unit with front inlet and vertical delivery	Horizontal unit with rear inlet and horizontal delivery	Horizontal unit with bottom inlet and horizontal delivery
FVW/VP/EC	***FVW/VH/EC***	***FVW/VE/EC***	***FVW/VO/EC***
Vertical unit with EC Inverter fans, bottom inlet and vertical delivery	Vertical unit with EC Inverter fans, front inlet and vertical delivery	Horizontal unit with EC Inverter fans, rear inlet and horizontal delivery	Horizontal unit with EC Inverter fans, bottom inlet and horizontal delivery

FEATURES

- Structure made of galvanized sheet protected by a prepainted sheet covering cabinet and ABS details, complete with heat/sound insulation, regenerating filter, heat-resistant ABS polymer grills adjustable in 4 different directions and natural discharge condensation tray.
- Radial fan type directly coupled to a 6-Speed single phase electric motor, with 3 speeds connected in the standard configuration.
- Radial EC INVERTER fan (23÷74).
- Heat exchanger coils with copper pipes and aluminium fins with airvent on the distributors.

ACCESSORIES

LOOSE ACCESSORIES

Z	Couple of feet
C	Auxiliary condensate drain pan
WS	Hot water coil for 4-Pipe system
EH	Supplementary electrical heater
PP	Rear panel
TP	Rear closure
S	Manual damper
SG	Manual damper with grid
SMF	On/off motorized damper
SMG	On/off motorized damper with grid
RM	Wall connection for damper
DBA	On board automatic electronic control panel
DRA	Wall mounted automatic electronic control panel
VB	On board fan speed control panel
VR	Wall mounted fan speed control panel
TA	Wall mounted ambient thermostat
DBE	On board electromechanic control panel
DRE	Wall mounted electromechanic control panel
DBV	On board automatic electronic control panel
DRV	Wall mounted automatic electronic control panel
MCC	Multicontrol connection card
BC	Universal connecting terminal
TMB	Minimum temperature thermostat for VB and VR
V2	3-Way on/off valve for 2-Pipe system
V4	3-Way on/off valves for 4-Pipe system
MP	Condensate drain pump

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MODEL			13	14	23	24	33	34	43
Cooling	Total cooling capacity (1),(2)	kW	1.31	1.49	1.77	2.05	2.47	2.77	3.11
	Sensible cooling capacity (1),(2)	kW	1.09	1.26	1.45	1.68	1.96	2.16	2.42
	Water flow (1),(2)	l/h	225	256	304	353	425	476	535
	Pressure drops (1),(2)	kPa	5	1	11	6	8	5	14
Heating	Heating capacity (2),(3)	kW	3.20	3.45	4.19	4.53	5.70	6.35	7.03
	Water flow (2),(3)	l/h	275	297	360	390	490	546	605
	Pressure drops (2),(3)	kPa	4	1	8	2	6	4	11
Rows	Quantity	n°	3	4	3	4	3	4	3
Water connections	In / Out	"G	½"	½"	½"	½"	½"	½"	½"
Air flow	Max	m³/h	240	240	340	340	430	430	540
	Med	m³/h	190	190	260	260	340	340	420
	Min	m³/h	140	140	170	170	250	250	280
Air flow (EC version)	Max	m³/h	---	---	340	340	430	430	540
	Min	m³/h	---	---	150	150	180	180	230
Additional coil	Heating capacity (2),(3)	kW	1.50	1.50	2.16	2.16	2.92	2.92	3.75
	Water flow (2),(3)	l/h	129	129	186	186	251	251	322
	Pressure drops (2),(3)	kPa	5	5	9	9	15	15	26
	Rows	n°	1	1	1	1	1	1	1
	Water connections (In / Out)	"G	½"	½"	½"	½"	½"	½"	½"
Electrical heater	Power supply	V/Ph/Hz	230/1/50						
	Absorbed power	kW	0.6	0.6	1.0	1.0	1.6	1.6	2.0
Electrical characteristics	Power supply	V/Ph/Hz	230/1/50						
	Max absorbed power	kW	0.03	0.03	0.05	0.05	0.05	0.05	0.07
Electrical characteristics (EC version)	Power supply	V/Ph/Hz	---		230/1/50				
	Max absorbed power	kW	---	---	0.02	0.02	0.03	0.03	0.04
Sound pressure	Max (4)	dB(A)	41	41	44	44	40	40	44
	Med (4)	dB(A)	34	34	38	38	34	34	37
	Min (4)	dB(A)	26	26	26	26	25	25	27
Sound pressure (EC version)	Max (4)	dB(A)	---	---	44	44	40	40	44
	Min (4)	dB(A)	---	---	25	25	24	24	26
Weights	Transport weight	Kg	16	16	19	19	24	25	28
	Operating weight	Kg	14	14	17	17	22	23	26

MODEL			44	53	54	63	64	73	74
Cooling	Total cooling capacity (1),(2)	kW	3.54	4.04	4.58	5.09	5.96	6.45	7.26
	Sensible cooling capacity (1),(2)	kW	2.71	3.12	3.47	3.86	4.63	5.07	5.57
	Water flow (1),(2)	l/h	609	695	788	875	1025	1109	1249
	Pressure drops (1),(2)	kPa	9	26	17	8	5	16	15
Heating	Heating capacity (2),(3)	kW	7.75	9.01	9.93	11.69	13.00	14.59	16.19
	Water flow (2),(3)	l/h	666	775	854	1005	1118	1255	1392
	Pressure drops (2),(3)	kPa	7	20	13	6	4	12	8
Rows	Quantity	n°	4	3	4	3	4	3	4
Water connections	In / Out	"G	½"	½"	½"	½"	½"	½"	½"
Air flow	Max	m³/h	540	690	690	910	910	1180	1180
	Med	m³/h	420	530	530	730	730	810	810
	Min	m³/h	280	400	400	510	510	590	590
Air flow (EC version)	Max	m³/h	540	690	690	910	910	1180	1180
	Min	m³/h	230	300	300	420	420	500	500
Additional coil	Heating capacity (2),(3)	kW	3.75	4.65	4.65	6.01	6.01	7.84	7.84
	Water flow (2),(3)	l/h	322	400	400	517	517	674	674
	Pressure drops (2),(3)	kPa	26	18	18	13	13	24	24
	Rows	n°	1	1	1	1	1	1	1
	Water connections (In / Out)	"G	½"	½"	½"	½"	½"	½"	½"
Electrical heater	Power supply	V/Ph/Hz	230/1/50						
	Absorbed power	kW	2.0	2.5	2.5	3.0	3.0	4.0	4.0
Electrical characteristics	Power supply	V/Ph/Hz	230/1/50						
	Max absorbed power	kW	0.07	0.09	0.09	0.16	0.16	0.19	0.19
Electrical characteristics (EC version)	Power supply	V/Ph/Hz	230/1/50						
	Max absorbed power	kW	0.04	0.07	0.07	0.09	0.09	0.13	0.13
Sound pressure	Max (4)	dB(A)	44	46	46	48	48	52	52
	Med (4)	dB(A)	37	39	39	43	43	42	42
	Min (4)	dB(A)	27	33	33	34	34	34	34
Sound pressure (EC version)	Max (4)	dB(A)	44	46	46	48	48	52	52
	Min (4)	dB(A)	26	29	29	28	28	33	33
Weights	Transport weight	Kg	29	33	34	43	44	54	56
	Operating weight	Kg	27	31	32	41	42	52	54

DIMENSIONS			13	14	23	24	33	34	43	44	53	54	63	64	73	74
L	STD/EC	mm	650	650	780	780	1040	1040	1170	1170	1430	1430	1430	1430	1690	1690
W	STD/EC	mm	210	210	210	210	210	210	210	210	210	210	275	275	275	275
H	STD/EC	mm	500	500	500	500	500	500	500	500	500	500	570	570	570	570
D (5)	STD/EC	mm	90	90	90	90	90	90	90	90	90	90	90	90	90	90

CLEARANCE AREA

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Electrical board side

NOTES

1. Ambient air temperature 27 °C d.b./19 °C w.b., water temperature 7/12 °C.
2. Performances also valid for EC version.
3. Ambient air temperature 20 °C d.b., water temperature 70/60 °C.
4. Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.
5. Feet height.

N.B. Maximum operating pressure 1000 kPa.
N.B. Maximum inlet water temperature 90 °C.
N.B. Inhibited ethylene glycol can be added to the water.