



EC INVERTER FAN

VXM 123÷614

FAN COIL UNITS WITH CABINET AND 6-SPEED OR EC INVERTER CENTRIFUGAL FANS.



The hydronic Fan Coil units with cabinet, VXM 123÷614, feature an exclusive and compact design combined with the highest efficiency and noiseless operation.

When part of a hydronic system equipped with a liquid chiller, the unit generates cool air silently and with instantaneous reaction. While, during the winter, if combined with a thermal system, it provides warm air, making possible to meet home or business heating needs. An easily removable and cleanable air filter absorbs and retains dust in suspension, keeping the air quality at a suitable level and allowing the execution of continuous cleaning cycles, which are particularly important to guarantee suitable hygiene standards, especially in highly frequented rooms. All installation needs are considered, from the possibility of horizontal and vertical installations, with front, bottom or

rear intake to a wide range of accessories, also for 4-Pipe systems, which includes a complete control panel collection, that can be installed on-board or in the room.

Units are available both with 6-Speed or EC Inverter fans. The units equipped with EC Inverter motor modulate the air flow, adapting the performances instant to instant to the actual needs of the room to be conditioned, assuring a total comfort with greater energy savings.

VERSIONS

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

POWER RANGE

- 1.4-8.4 kW
- 0.4-2.4 Ton

FEATURES

- Cabinet made of thick steel-sheet, galvanized and highly resistant to abrasion. Bearing structure made of galvanized steel-sheet with internal thermal-acoustic insulation. Air delivery grill by fixed fins made of ABS, adjustable on two positions, equipped with small sliding side doors for easily access to the internal control panel.
- Air filter easy to remove and to wash, made of a metal frame holding filtering section.
- Condensate drain pan provided with natural condensation drain and thermal insulation.
- Heat exchanger coil made of copper pipes and aluminium fins, water connections provided with anti-torsion system, manual air vent and water drain valves.
- Fan section provided with centrifugal fans with double air inlet and last generation plastic blades, directly coupled to the 6-Speed electric motor with 3 speeds connected in the standard configuration.

- Fan section provided with centrifugal fans with double air inlet and last generation plastic blades, directly coupled to the EC Inverter electronic motor. Modulating regulation with 0-10Vdc signal with control panels provided as accessory or with independent regulation system.
- Standard water connections on the left side in front of the unit. Reversible on site.

ACCESSORIES

TECHNICAL DATA

			123	124	233	234	343	344	463	464	573	574	613
Cooling	Total cooling capacity (1)(2)	kW	1,36	1,60	2,04	2,41	3,20	3,70	4,65	5,20	5,82	6,30	7,50
	Sensible cooling capacity (1)(2)	kW	1,22	1,38	1,76	2,00	2,51	2,90	3,95	4,41	4,92	5,24	6,60
	Water flow (1)(2)	l/h	233	275	350	414	549	635	798	892	999	1081	1287
	Pressure drops (1)(2)	kPa	2	15	4	22	10	12	25	18	40	33	20
Heating	Heating capacity (3)(2)	kW	1,89	1,97	2,81	2,94	3,75	4,26	5,93	6,47	7,57	7,79	9,88
	Water flow (3)(2)	l/h	329	342	490	513	653	741	1032	1128	1319	1357	1721
	Pressure drops (3)(2)	kPa	2	16	6	25	11	13	31	22	41	39	21

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	Rows	n°	1	1	1	1	1	1	1	1	1	1	1
EH1 Electrical heater	Power supply	V/Ph/Hz	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60
	Absorbed power	kW	0,7	0,7	1,0	1,0	1,5	1,5	2,0	2,0	2,0	2,0	2,0
EH2 Electrical heater	Power supply	V/Ph/Hz	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60
	Absorbed power	kW	1,0	1,0	1,5	1,5	2,0	2,0	3,0	3,0	3,0	3,0	3,0
Electrical characteristics	Power supply	V/Ph/Hz	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60
	Max absorbed power	kW	0,05	0,05	0,07	0,07	0,07	0,07	0,13	0,13	0,15	0,15	0,21
Electrical characteristics (EC version)	Power supply	V/Ph/Hz	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60	230/1/50-60
	Max absorbed power	kW	0,05	0,05	0,06	0,06	0,06	0,06	0,07	0,07	0,07	0,07	0,17
Sound pressure	Max (5)	dB(A)	44	46	48	49	45	45	51	53	54	56	59

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Sound pressure (EC version)	Med (5)	dB(A)	35	37	41	42	38	38	45	45	48	49	57
	Min (5)	dB(A)	28	28	33	33	28	28	36	36	37	37	53
	Max (5)	dB(A)	44	46	48	49	45	45	51	53	54	56	59
	Min (5)	dB(A)	28	30	31	32	30	30	34	35	34	36	52
Weights	Transport weight	kg	16	16	19	20	25	26	29	30	33	35	37
	Operating weight	kg	14	14	16	17	23	24	26	28	30	32	34

DIMENSIONS

[illegible]

			123	124	233	234	343	344	463	464	573	574	613
D	STD/EC (6)	mm	90	90	90	90	90	90	90	90	90	90	90

NOTES

- 1Ambient air temperature 27 °C d.b./19 °C w.b., water temperature 7/12 °C.
- 2Performances also valid for EC version.
- 3Ambient air temperature 20 °C d.b., water temperature 45/40 °C,
- 4Ambient air temperature 20 °C d.b., water temperature 65/55 °C.
- 5Sound pressure level measured at 1 m from the unit with reverberation time 0,5 s.
- 6Feet height.
- N.B. (1)Inhibited ethylene glycol can be added to the water.
- N.B. (2)Maximum operating pressure 1500 kPa.
- N.B. (3)Maximum inlet water temperature 100 °C.