

FHX Fan coils With sterilizer and air ionizer

**Sterilizer
and air ionizer
incorporated**



Aermec adheres to the EUROVENT Certification programme. The products concerned appear in the EUROVENT Certified Products Guide.



Caratteristiche

- Available in 6 sizes and 3 versions:
 - FHX-A:** tall cabinet complete with internal command panel, for floor installation
 - FHX-P:** wall-mounted model without cabinet
 - FHX-PO:** wall-mounted model without cabinet, with boosted motor at 7 speeds (3 selectable)
- EUROVENT certification
- Exclusive device for air sterilization
- Incorporated ionizer device
- Air filter with activated carbons
- Visualisation of the status of the sterilising lamps
- Visualisation of the status of the air filter with activated carbons
- 3-speed ventilating unit
- Full compliance with the accident prevention standards
- Rounded line
- Quiet operation
- Low loss of charge in the heat exchange batteries
- Electric motors with permanently inserted condensers
- Ease of installation and maintenance
- Air filter easy to remove and clean
- Command and control by means of micro-processor thermostat fitted on the fan coil for FHX-A (as standard) and on the wall for FHX-P and PO (accessory PXAE)
- Metal protection cabinet with varnishing in anticorrosion polyester, colour RAL9002 (FHX-A)
- Delivery grille, colour RAL7044 (FHX-A)

The FHX fan coil is fitted with an exclusive device for air sterilization, making it essential in environments that require the highest levels of hygiene, such as:

- hospitals
- dentists' surgeries
- doctors' and vets' surgeries
- analysis laboratories
- pharmaceutical companies
- waiting rooms
- beauty institutes
- homes
- offices
- public premises

Accessories

- The FHX fan coils use the accessories already available for the FCX range. Consult the compatibility table to make your choice.

Accessories	Size (FHX)						Versions
	22	32	42	50	62	82	
BC	4	✓	✓	✓	✓	✓	A
	8	✓	✓	✓	✓		P-PO
	9					✓	✓
GA	22	✓					P-PO
	32		✓				P-PO
	42			✓	✓		P-PO
GAF	22	✓					P-PO
	32		✓				P-PO
	42			✓	✓		P-PO
GM	22	✓					P-PO
	32		✓				P-PO
	42			✓	✓		P-PO
PC	22	✓					A
	32		✓				A
	42			✓	✓		A
PXAE	22	✓					P-PO
	32		✓				P-PO
	42			✓	✓		P-PO

Accessories	Size (FHX)						Versions	
	22	32	42	50	62	82		
PM	22	✓					P-PO	
	32		✓				P-PO	
	42			✓	✓		P-PO	
	62					✓	✓	P-PO
RD	22	✓					P-PO	
	32		✓				P-PO	
	42			✓	✓		P-PO	
RP	22	✓					P-PO	
	32		✓				P-PO	
	42			✓	✓		P-PO	
SW3	22	✓					P-PO	
	32		✓				P-PO	
	42			✓	✓		P-PO	
VCF	1	✓	✓	✓	✓	✓	A-P-PO	
	2			✓	✓		A-P-PO	
	3					✓	✓	A-P-PO
ZX	5	✓	✓	✓	✓		A	
	6					✓	✓	A
	7	✓	✓	✓	✓		P-PO	
	8					✓	✓	P-PO

Technical data

Mod.		FHX 22	FHX 32	FHX 42	FHX 50	FHX 62	FHX 82
Heating capacity	W (max.)	3400	4975	7400	8620	12920	15140
	W (med.)	2700	4085	6415	7530	10940	13350
	W (min.)	1915	3380	5115	5420	8330	10770
Heating capacity (inlet water 50°C)	W (E)	2100	3160	4240	5180	7090	7990
Water capacity	l/h	292	428	636	741	1111	1302
Perdite di carico acqua	kPa	6,3	14,2	14,1	14,2	14,8	19,8
Total cooling capacity	W (max.) (E)	1500	2400	3400	4190	4860	7420
	W (med.)	1330	2055	2800	3640	4660	5500
	W (min.)	1055	1570	2310	2840	3950	4710
Sensitive cooling capacity	W (max.) (E)	1240	1900	2760	3000	4240	5680
	W (med.)	1055	1540	2115	2750	3510	4250
	W (min.)	755	1100	1635	2040	2825	3450
Water capacity	l/h	258	413	585	721	836	1276
Water pressure drops	kPa (E)	5,8	16,6	14,3	19,3	11,6	13,5
Air capacity	m³/h (max.)	290	450	600	720	920	1140
	m³/h (med.)	220	350	460	600	720	930
	m³/h (min.)	140	260	330	400	520	700
Number of fans	n.	1	2	2	2	3	3
Sound pressure	dB (A) (max.)	39,5	39,5	42,5	47,5	46,5	52,5
	dB (A) (med.)	32,5	32,5	35,5	42,5	40,5	47,5
	dB (A) (min.)	22,5	25,5	28,5	33,5	31,5	42,5
Sound power	dB (A) (max.) (E)	48	48	51	56	55	61
	dB (A) (med.) (E)	41	41	44	51	49	56
	dB (A) (min.) (E)	31	34	37	42	40	51
Water content	l	0,79	1,11	1,48	1,48	2,52	2,52
Max. motor power	W (FHX-A / P) (E)	25	44	57	67	82	106
	(FHX-PO)	54	97	111	82	97	135
Max. input current motor	A (FHX-A / P)	0,12	0,21	0,28	0,35	0,40	0,49
	(FHX-PO)	0,25	0,45	0,51	0,36	0,48	0,62
Total input power	W (FHX-A / P)	110	165	200	210	335	360
	(FHX-PO)	140	220	255	225	350	390
Total input current	A (FHX-A / P)	0,50	0,76	0,92	0,96	1,53	1,65
	(FHX-PO)	0,64	1,01	1,17	1,03	1,60	1,78
Peak current	A (FHX-A / P)	0,71	1,15	1,45	1,66	2,29	2,56
	(FHX-PO)	1,1	1,87	2,14	1,69	2,53	2,95
Battery connections 3R	ø	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"

Electrical power supply = 1~230V 50Hz

The performance refers to the following conditions:

♪ sound pressure measured in semireverberation chamber of 85m³ and with reverberation time Tr = 0.5s.

■ Cooling:

- room temperature of air 27°C D.B., 19°C W.B.;
- maximum speed:
- inlet water temperature 7°C; Δt water 5°C.
- average and minimum speed:
- inlet water temperature 7°C;
- water capacity as at maximum speed.

(E) = Performance EUROVENT certification

■ Heating:

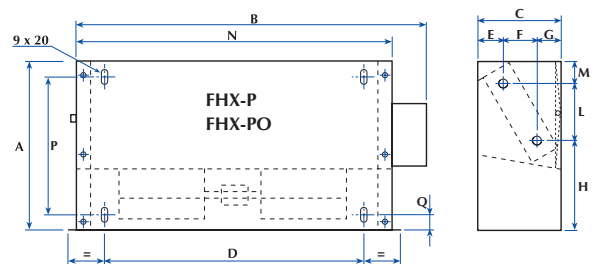
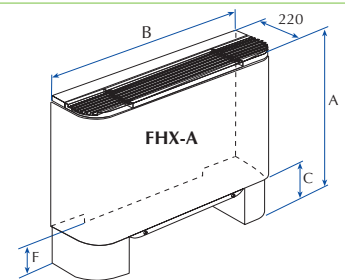
- room temperature of air 20°C D.B.;
- maximum speed:
- inlet water temperature 70°C; Δt water 10°C;
- average and minimum speed:
- inlet water temperature 70°C;
- water capacity as at maximum speed.
- maximum speed (water inlet 50°C):
- inlet water temperature 50°C;
- water capacity as for cooling operation.



Dimensions (mm)

Mod FHX-A		22	32	42	50	62	82
Height with feet	A	563	563	563	563	688	688
Width	B	750	980	1200	1200	1320	1320
Height of feet	C	105	105	105	105	125	125
Rear height with feet	F	73	73	73	73	93	93
Weight (without feet)	kg	17	22	27	27	37	37

Mod FHX-P / PO		22	32	42	50	62	82
A		468	468	468	468	573	573
B		562	793	1013	1013	1147	1147
C		216	216	216	216	216	216
D		440	671	891	891	1102	1102
E		41	41	41	41	41	41
F		101	101	101	101	107	107
G		74	74	74	74	68	68
H		275	275	275	275	288	288
L		144	144	144	144	253	253
M		49	49	49	49	32	32
N		522	753	973	973	1122	1122
P		388	388	388	388	350	350
Q		40	40	40	40	98	98
Weight (Kg) P/PO		15/16	20/21	25/26	25/26	35/36	35/36



The technical data in this document are not binding. Aermec S.p.A. reserves the right to make whatever modifications it deems necessary to improve the product at any time.

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