



ZEFIRO

HYDRONIC
FAN COIL



SOMETHING DIFFERENT

GB



ZEFIRO

HYDRONIC FAN COIL

The Zefiro fan coil is the product of decades of experience in the field of hydronic terminals and offers technical solutions based on all the feedback from users, installers and designers who over the years have contributed to making this a feature-packed, complete product.

Special attention has been given to ensuring easy installation, thanks to the interlocking construction of the sides of the cabinet.

The stylish design, low-noise operation, versatility, quality components and the wide range of accessories make this fan coil an excellent product for heating and cooling any residential and commercial environment. The Zefiro series is Eurovent certified and is produced in accordance with the applicable regulations on safety.

EASY DRAINAGE

AUXILIARY TRAY IN ABS TILTED TO AN ANGLE TO FACILITATE CONDENSATE DRAINAGE AND PREVENT STAGNATION, INCLUDED IN THE STANDARD EQUIPMENT AND INSTALLED UNDER THE VALVES.

REVERSIBLE

THE "HDP" ACCESSORY ALLOWS A VERTICAL UNIT TO BE CONVERTED FOR INSTALLATION IN THE HORIZONTAL DIRECTION.

LOW-NOISE

THE USE OF AN EC MOTOR ALLOWS LOWER NOISE EMISSIONS TO BE OBTAINED COMPARED TO TRADITIONAL MOTORS, REACHING EXTREMELY LOW SOUND POWER VALUES.

FUNCTIONAL CABINET

COVER CABINET WITH 2 SIDES EASILY REMOVABLE INDEPENDENTLY FROM THE REST OF THE UNIT.

BMS COMPATIBLE

POSSIBILITY OF CONTROLLING UP TO 240 UNITS WITH OUR TOP3-BMS MODBUS PROTOCOL MULTIFUNCTIONAL DIGITAL THERMOSTAT, ALSO IN COMBINATION WITH ALL AERTESI TERMINAL UNITS.

ADVANCED CONTROL

ADVANCED CONTROL ENABLES TO MANAGE MASTER/SLAVE COMBINATIONS OF UP TO 24 UNITS AND TO USE WALL MOUNTED OR REMOTE CONTROLS.

EC MOTOR

ENERGY SAVINGS FROM 45% TO 65% COMPARED TO TRADITIONAL MOTORS - DEPENDING ON THE TYPE AND METHOD OF USE. THE EC MOTOR USED IS OF THE BRUSHLESS TYPE CONTROLLED BY A 0-10 VDC SIGNAL WITH VERY LOW POWER CONSUMPTION.



COOLING

0.9/8.9_{kw}



HEATING

0.9/9.2_{kw}



AIR FLOW

198-1740_{m³/h}



CONSUMPTION REDUCED UP TO

67%



I.A.Q. PURIFICATION AND SANITIZATION SYSTEM

Aertesi makes certified technologies and devices available with demonstrated reduction capacity of the microbial load of different bacterial strains, including virucidal activity against COVID-19.

SANI FAN for sanitising fan-coil internal surfaces with Bioxigen® technology.

BIOXAIR for sanitising aeraulic ducts with Bioxigen® technology.

FILTRASAN fibre suitable for filtering media which retains and removes microorganisms present in the air. Sanitized technology.

VERSIONS WITH CABINET



Vertical and horizontal with adjustable grilles.

Vertical and horizontal with front intake and front filter removal. Adjustable grilles.

LOW ZEFIRO

LOWERED-HEIGHT VERSION



Vertical and horizontal. Adjustable grilles.

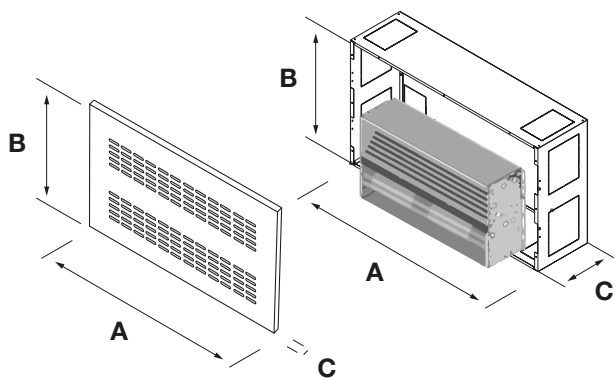
VERSIONS WITHOUT CABINET



Vertical or horizontal recessed installation with variable intake.

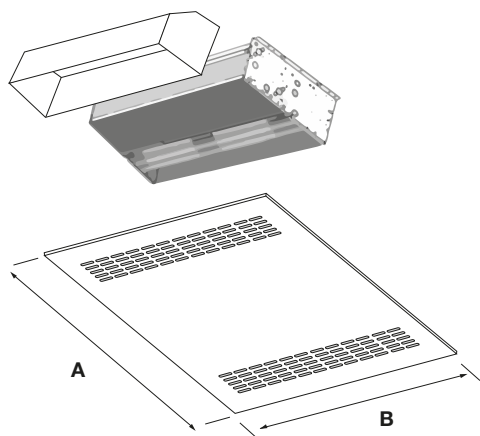


IDENTIFICATION MODEL



CCM + MPK-VF OUTER CASING AND PANEL FOR ZEFIRO VF

The CCM + MPK kit for floor installation includes a sturdy sheet metal outer casing that allows hydraulic and electrical systems to be fitted on site; the fan coil is then installed at a later stage as works progress. The installation is completed by a stylish 2 mm thick panel fixed to the outer casing. RAL colours can be customised on request for an extra fee.

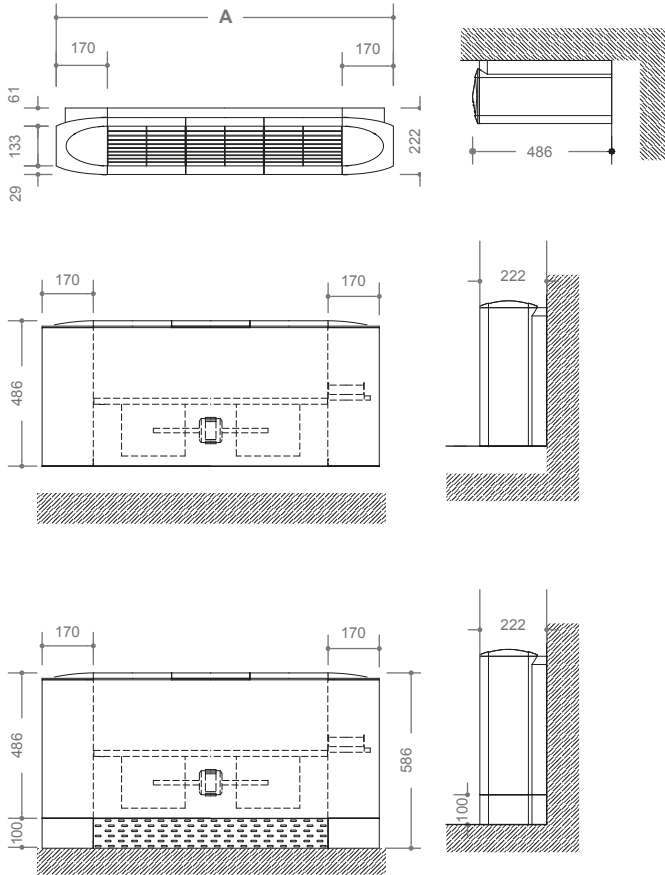


MPK-HD PANEL FOR ZEFIRO HD

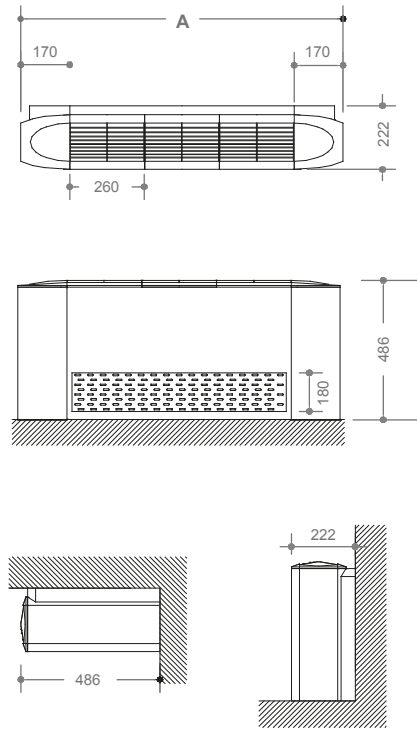
External metal panel for horizontal Zefiro HD + 90° DELIVERY PLENUM (without insulation).

ZEFIRO WITH CABINET

VA - VB - HA - HB

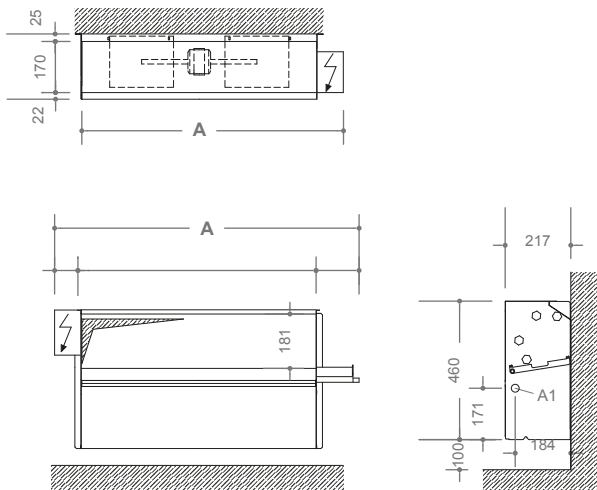


VL - HL

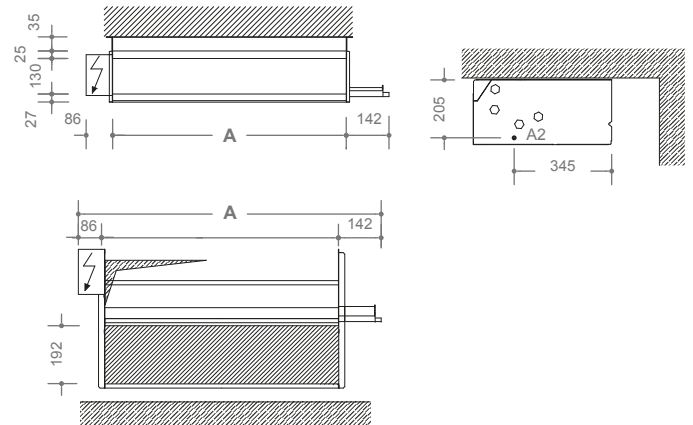


ZEFIRO WITHOUT CABINET

VC - VE - HC



VD - VF - HD



SIZE	VERTICAL <i>with cabinet</i>			VERTICAL <i>without cabinet</i>			HORIZONTAL <i>with cabinet</i>			HORIZONTAL <i>without cabinet</i>			WEIGHT <i>of cabinet</i> Kg	WEIGHT <i>of cessed version</i> Kg
	VA - VB - VL			VC - VD - VF - VE			HA - HB - HL			HC - HD				
	A	B*	C	A	B*	C	A	B	C*	A	B	C		
308	860	486	222	746	460	217	860	222	486	746	217	460	17	15
316	860	486	222	746	460	217	860	222	486	746	217	460	17	15
320	860	486	222	746	460	217	860	222	486	746	217	460	18	16
628	1120	486	222	1006	460	217	1120	222	486	1006	217	460	18	16
634	1120	486	222	1006	460	217	1120	222	486	1006	217	460	22	19
840	1380	486	222	1266	460	217	1380	222	486	1266	217	460	22	19
847	1380	486	222	1266	460	217	1380	222	486	1266	217	460	23	20
1250	1380	486	222	1266	460	217	1380	222	486	1266	217	460	29	24
1260	1380	486	222	1266	460	217	1380	222	486	1266	217	460	28	23
1575	1640	486	222	1526	460	217	1640	222	486	1526	217	460	29	24
1885	1900	486	222	1786	460	217	1900	222	486	1786	217	460	35	29

*VB/HB: add 100mm for plinths
A = length mm
B = height mm
C = depth mm



AERLINK COMPLETE SUPERVISION SYSTEM VIA BROWSER

The AERLINK device allows users to manage a network consisting of up to 32 fan coils.

In the case of a higher number of fan coils, additional AERLINK devices can be used (max 32 fan coils for each device), in this way the maximum number of fan coils that can be managed is virtually unlimited.

IT'S also possible to associate additional "slave" fan coils to each of the 32 fan coils connected to AERLINK, according to "Master/slave" logics independently of this device.



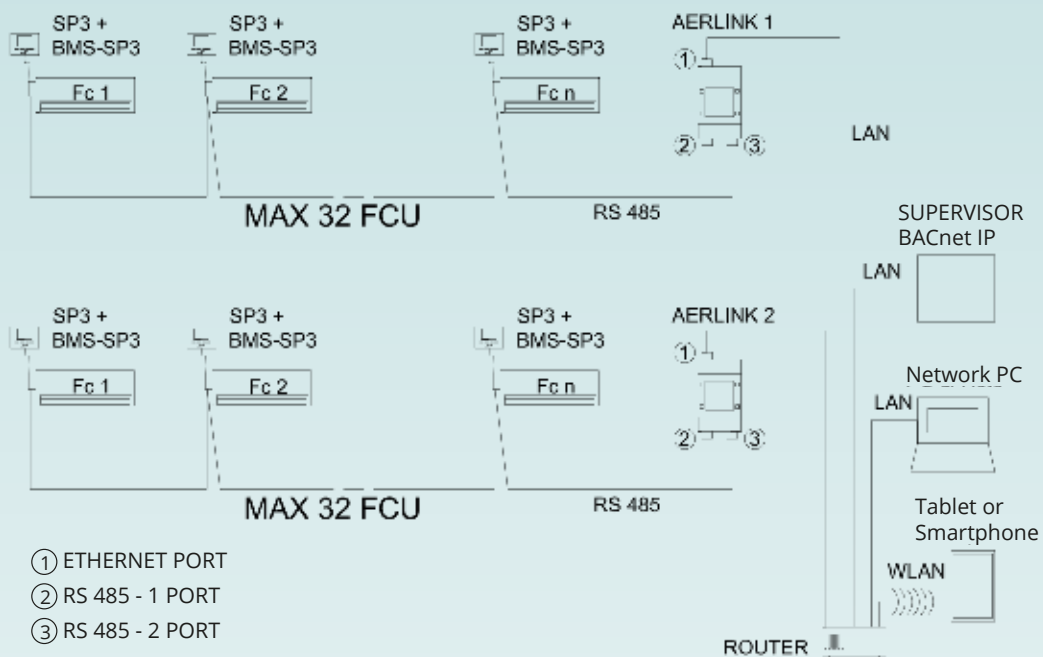
FANCOIL WITH USER DISPLAY:

SP3 (motherboard) + BMS-SP3 (module for Modbus) + TOP3 (display) + SND (water probe) + SND-AIR (air probe, optional)

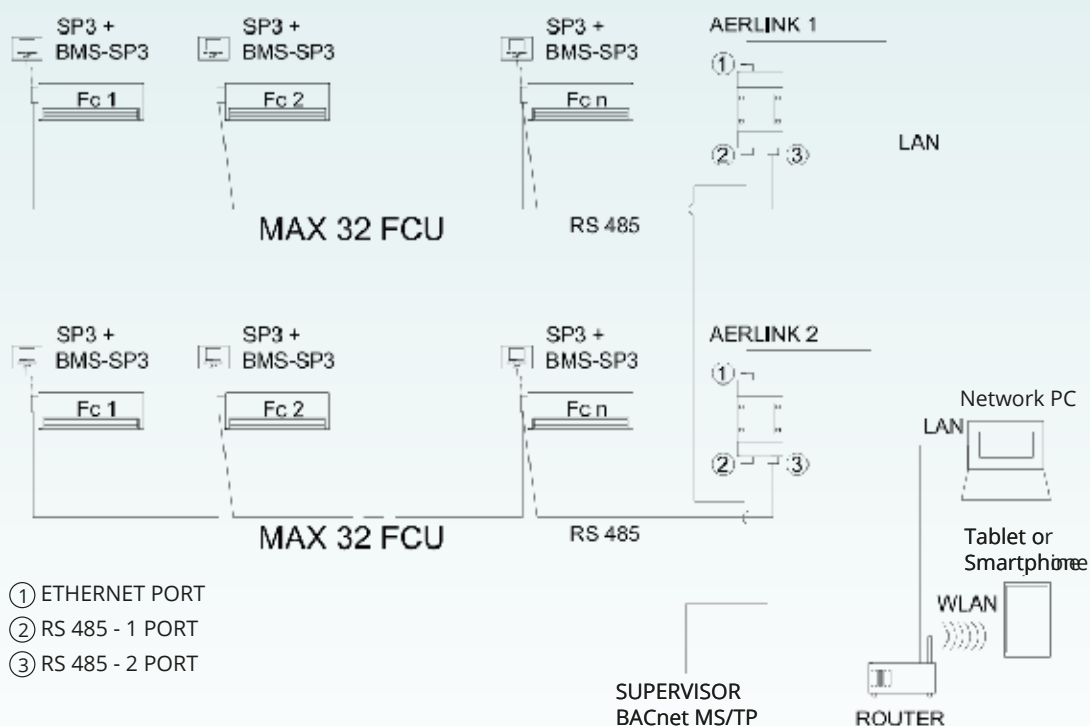
FANCOIL WITHOUT USER DISPLAY:

SP3 (motherboard) + BMS-SP3 (module for Modbus) + SND (water probe) + SND-AIR (air probe)

CONFIGURATION 1



CONFIGURATION 2



AC MOTOR 2-PIPE SYSTEM

		316			628			840			1250			1575			1885		
		3 rows			3 rows			3 rows			3 rows			4 rows			4 rows		
SPEED		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Air flow	m3/h	168	250	288	304	451	523	427	680	756	647	1017	1133	877	1206	1359	1111	1538	1742

COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C

Total capacity (E)	kW	0.96	1.29	1.42	1.70	2.27	2.51	2.48	3.48	3.75	3.36	4.56	4.89	5.04	6.36	6.91	6.47	8.20	8.93
Sensitive capacity (E)	kW	0.74	1.02	1.14	1.32	1.8	2.02	1.89	2.72	2.95	2.62	3.67	3.96	3.90	5.03	5.51	4.96	6.42	7.07
Water flow rate	l/h	165	221	245	293	390	432	426	598	644	578	784	840	867	1093	1187	1112	1409	1536
Δp (water) (E)	kPa	3.1	5.3	6.3	4.4	7.2	8.6	10.7	19.6	22.2	24.0	41.0	46.2	11.5	17.4	20.1	21.2	32.0	37.2

HEATING - air 20°C - water inlet 45°C, outlet 40°C

Capacity (E)	kW	0.98	1.34	1.50	1.73	2.36	2.65	2.46	3.53	3.83	3.39	4.78	5.17	5.08	6.57	7.21	6.42	8.34	9.20
Water flow rate	l/h	181	249	276	322	439	492	456	657	713	632	889	961	944	1221	1341	1195	1552	1711
Δp (water) (E)	kPa	3.1	5.3	6.5	4.3	7.4	9.0	10.0	19.1	22.0	23.3	42.3	48.6	11.1	17.4	20.6	19.8	31.4	37.2

MOTOR ELECTRIC POWER DRAW

Power draw (E)	W	13	24	29	21	36	43	42	72	87	66	115	136	107	135	147	124	163	184
Max power draw	A	0.19			0.24			0.47			0.74			0.75			0.92		

SOUND DATA

Sound power (E)	dB(A)	32	40	44	34	43	46	38	49	52	47	58	61	54	62	65	55	62	65
Sound pressure (*)	dB(A)	23	31	35	25	34	37	29	40	43	38	49	52	45	53	56	46	53	56

AC MOTOR 4-PIPE SYSTEM

		316 + B1			628 + B1			840 + B1			1250 + B1			1575 + B1			1885 + B1		
		3 rows + 1			3 rows + 1			3 rows + 1			3 rows + 1			4 rows + 1			4 rows + 1		
SPEED		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Air flow	m3/h	168	250	288	304	451	523	427	680	756	647	1017	1133	877	1206	1359	1111	1538	1742

COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C

Total capacity (E)	kW	0.96	1.29	1.42	1.70	2.27	2.51	2.48	3.48	3.75	3.36	4.56	4.89	5.04	6.36	6.91	6.47	8.20	8.93
Sensitive capacity (E)	kW	0.74	1.02	1.14	1.32	1.8	2.02	1.89	2.72	2.95	2.62	3.67	3.96	3.90	5.03	5.51	4.96	6.42	7.07
Water flow rate	l/h	165	221	245	293	390	432	426	598	644	578	784	840	867	1093	1187	1112	1409	1536
Δp (water) (E)	kPa	3.1	5.3	6.3	4.4	7.2	8.6	10.7	19.6	22.2	24.0	41.0	46.2	11.5	17.4	20.1	21.2	32.0	37.2

HEATING - air 20°C - water inlet 65°C, outlet 55°C

Capacity (E)	kW	0.98	1.28	1.41	1.76	2.30	2.53	2.41	3.28	3.52	3.18	4.15	4.42	4.29	5.24	5.53	5.41	6.51	7.02
Water flow rate	l/h	86	112	123	154	200	221	210	286	307	277	362	386	374	457	482	472	568	612
Δp (water) (E)	kPa	1.7	2.7	3.2	7.4	11.8	14.0	2.3	4.0	4.6	5.0	8.0	8.9	10.3	14.7	16.2	18.3	25.4	29.0

MOTOR ELECTRIC POWER DRAW

Power draw (E)	W	13	24	29	21	36	43	42	72	87	66	115	136	107	135	147	124	163	184
Max power draw	A	0.19			0.24			0.47			0.74			0.75			0.92		

SOUND DATA

Sound power (E)	dB(A)	32	40	44	34	43	46	38	49	52	47	58	61	54	62	65	55	62	65
Sound pressure (*)	dB(A)	23	31	35	25	34	37	29	40	43	38	49	52	45	53	56	46	53	56

(E): EUROVENT certified performance

(*) = the sound pressure levels are lower than power levels by 9 dB(A) for a 100 m³ space and a reverberation time of 0.5 sec.

The human hearing is more perceivable to frequencies above 2000 Hz while the sound data here declared include all the band middle frequencies. For more details, refer to the technical manual.

EC MOTOR 2-PIPE SYSTEM

		316			628			840			1250			1575			1885		
		3 rows			3 rows			3 rows			3 rows			4 rows			4 rows		
SPEED (DRIVE VOLTAGE)	V	1	3.5	10	1	3.5	10	1	3.5	10	1	3.5	10	1	3.5	10	1	3.5	10
Air flow	m3/h	110	170	360	210	300	560	252	410	689	252	426	972	290	620	1250	380	770	1630
COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C																			
Total capacity (E)	kW	0.68	0.97	1.64	1.26	1.66	2.57	1.62	2.40	3.49	1.62	2.47	4.35	2.06	3.84	6.52	2.67	4.82	8.45
Sensitive capacity (E)	kW	0.52	0.77	1.36	0.96	1.30	2.11	1.21	1.84	2.77	1.21	1.90	3.55	1.53	2.95	5.26	1.97	3.66	6.77
Water flow rate	l/h	116	168	283	217	286	442	278	412	599	278	424	748	355	661	1121	460	828	1453
Δp (water) (E)	kPa	2.2	4.2	10.5	3.3	5.4	11.7	6.6	13.2	25.5	8.6	18.2	49.2	3.1	9.4	23.7	5.8	16.4	44.1
HEATING - air 20°C - water inlet 45°C, outlet 40°C																			
Capacity (E)	kW	0.78	1.17	2.09	1.47	1.97	3.22	1.81	2.77	4.19	1.81	2.86	5.38	2.28	4.45	8.02	2.93	5.49	10.23
Water flow rate	l/h	135	203	362	254	341	557	313	479	724	313	494	931	395	771	1387	507	950	1775
Δp (water) (E)	kPa	2.1	4.2	11.7	3.2	5.4	12.8	5.9	12.4	25.6	7.7	17.1	52.2	2.7	8.8	24.8	5.0	15.0	45.2
MOTOR ELECTRIC POWER DRAW																			
Power draw (E)	W	4	5	20	4	6	20	5	8	28	5	11	70	6	22	183	8	25	165
Max power draw	A	0.22			0.21			0.27			0.53			1.10			1.29		
SOUND DATA																			
Sound power (E)	dB(A)	29	35	53	29	35	53	30	36	54	32	42	62	34	49	67	34	49	67
Sound pressure (*)	dB(A)	20	26	44	20	26	44	21	27	45	23	33	53	25	40	58	25	40	58

EC MOTOR 4-PIPE SYSTEM

		316 + B1			628 + B1			840 + B1			1250 + B1			1575 + B1			1885 + B1		
		3 rows + 1			3 rows + 1			3 rows + 1			3 rows + 1			4 rows + 1			4 rows + 1		
SPEED (DRIVE VOLTAGE)	V	1	3.5	10	1	3.5	10	1	3.5	10	1	3.5	10	1	3.5	10	1	3.5	10
Air flow	m3/h	110	170	360	210	300	560	252	410	689	252	426	972	290	620	1250	380	770	1630
COOLING - air 27°C dry bulb, 19°C wet bulb - water inlet 7°C, outlet 12°C																			
Total capacity (E)	kW	0.68	0.97	1.64	1.26	1.66	2.57	1.62	2.40	3.49	1.62	2.47	4.35	2.06	3.84	6.52	2.67	4.82	8.45
Sensitive capacity (E)	kW	0.52	0.77	1.36	0.96	1.30	2.11	1.21	1.84	2.77	1.21	1.90	3.55	1.53	2.95	5.26	1.97	3.66	6.77
Water flow rate	l/h	116	168	283	217	286	442	278	412	599	278	424	748	355	661	1121	460	828	1453
Δp (water) (E)	kPa	2.2	4.2	10.5	3.3	5.4	11.7	6.6	13.2	25.5	8.6	18.2	49.2	3.1	9.4	23.7	5.8	16.4	44.1
HEATING - air 20°C - water inlet 65°C, outlet 55°C																			
Capacity (E)	kW	0.77	1.06	1.70	1.43	1.84	2.78	1.77	2.49	3.52	1.77	2.56	4.25	2.14	3.59	5.58	2.73	4.45	7.10
Water flow rate	l/h	67	93	149	126	160	242	153	218	307	153	223	371	187	313	486	238	387	618
Δp (water) (E)	kPa	1.2	2.2	5.0	5.9	9.1	18.7	1.5	2.8	5.2	2.0	3.9	9.5	3.5	8.6	18.6	6.3	14.7	33.6
MOTOR ELECTRIC POWER DRAW																			
Power draw (E)	W	4	5	20	4	6	20	5	8	28	5	11	70	6	22	183	8	25	165
Max power draw	A	0.22			0.21			0.27			0.53			1.10			1.29		
SOUND DATA																			
Sound power (E)	dB(A)	29	35	53	29	35	53	30	36	54	32	42	62	34	49	67	34	49	67
Sound pressure (*)	dB(A)	20	26	44	20	26	44	21	27	45	23	33	53	25	40	58	25	40	58

(E): EUROVENT certified performance

(*) = the sound pressure levels are lower than power levels by 9 dB(A) for a 100 m³ space and a reverberation time of 0.5 sec.

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