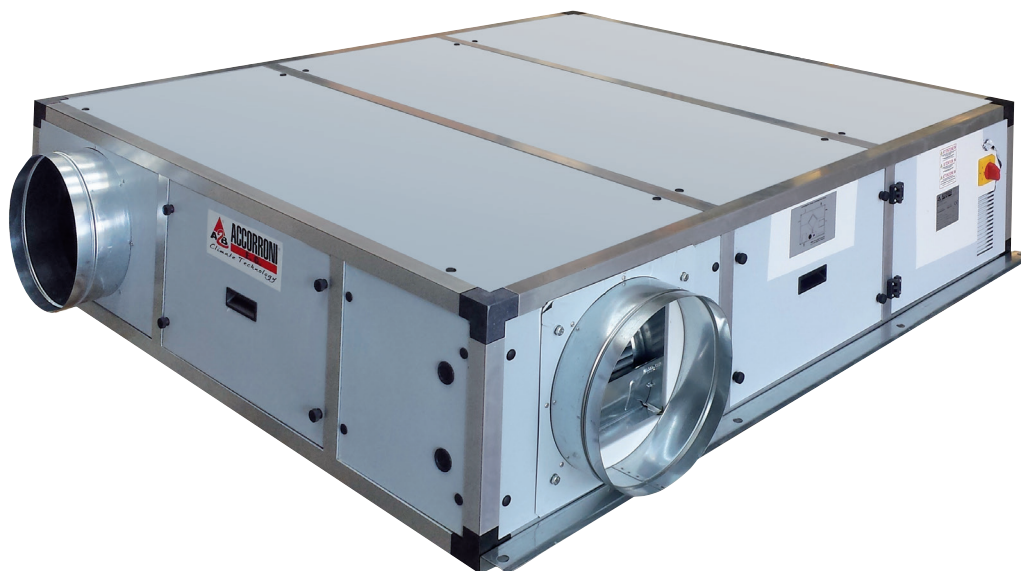


COMPRESSOR DRIVE

Air conditioning and dehumidification system with air renewal and support thermodynamic compressor



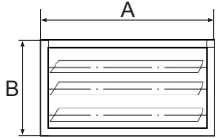
Model	Air flow m ³ /h	Code	€
COMPRESSOR DRIVE 35	350	75800601	7.730,00
COMPRESSOR DRIVE 60	600	75800602	8.020,00
COMPRESSOR DRIVE 100	1000	75800603	9.390,00
COMPRESSOR DRIVE 150	1500	75800604	10.530,00
COMPRESSOR DRIVE 230	2300	75800605	12.890,00
COMPRESSOR DRIVE 320	3200	75800606	14.190,00
COMPRESSOR DRIVE 450	4500	75800607	16.920,00
COMPRESSOR DRIVE 35E	350	75801601	9.340,00
COMPRESSOR DRIVE 60E	600	75801602	9.740,00
COMPRESSOR DRIVE 100E	1000	75801603	11.020,00
COMPRESSOR DRIVE 150E	1500	75801604	12.240,00
COMPRESSOR DRIVE 230E	2300	75801605	14.970,00
COMPRESSOR DRIVE 320E	3200	75801606	17.050,00
COMPRESSOR DRIVE 450E	4500	75801607	19.780,00

COMPRESSOR DRIVE

Air conditioning and dehumidification system with air renewal and support thermodynamic compressor

Regulation damper

Device to calibrate the air flow complete with 230V on-off servocontrol



Model	Code	€
Control damper COMPRESSOR DRIVE 35 - 60	75800611	330,00
Control damper COMPRESSOR DRIVE 100	75800612	352,00
Control damper COMPRESSOR DRIVE 150	75800613	368,00
Control damper COMPRESSOR DRIVE 230	75800614	422,00
Control damper COMPRESSOR DRIVE 320	75800615	444,00
Control damper COMPRESSOR DRIVE 450	75800616	470,00

Dimensions	35 / 60	100	150	230	320	450
A mm	210	210	310	410	510	510
B mm	300	400	400	500	500	600

Post-treatment section with water coil

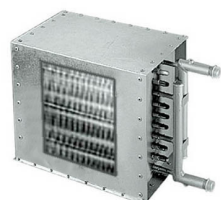
Positioned in a special module in insulated galvanized sheet metal, connectable to the unit through suitable ducting; it can be used to help the heat pump in both heating and cooling mode

Models	U.M.	35	60	100	150	230	320	450
Pipes by rank	n.	13	13	16	24	26	28	32
Ranks	n.	3	3	3	3	3	3	3
Step fins	mm	2,1	2,1	2,1	2,1	2,1	2,1	2,1
Thermal power ⁽¹⁾	kW	4,1	6,2	10,6	15,8	23,2	31,3	42,6
Air outlet temperature ⁽¹⁾	°C	54,6	50,4	51,1	51,1	49,8	48,8	47,9
Thermal power ⁽²⁾	kW	2,0	3,1	4,8	7,8	11,8	15,3	21,0
Air outlet temperature ⁽²⁾	°C	37,5	35,6	33,7	34,8	34,6	33,7	33,9
Water flow	m ³ /h	0,4	0,5	0,9	1,4	2,0	2,7	3,7
Water load losses	kPa	2,3	4,7	5,8	5,8	19,0	8,0	11,0
Air load losses	Pa	13	32	29	29	43	48	59
Cooling capacity ⁽³⁾	kW	1,2	1,4	2,9	4,4	7,9	9,1	13,1
Air outlet temperature ⁽³⁾	°C	15,5	16,9	16,1	16,1	15,3	16,2	16,1
Water flow	m ³ /h	0,2	0,2	0,5	0,8	1,4	1,6	2,2
Water load losses	kPa	1,0	1,5	2,5	2,5	3,0	3,8	6,0
Air load losses	Pa	19	47	43	43	65	70	86

(1) Inlet air 20 °C, water in / out 70/60 °C

(2) Air inlet 20 °C, water in / out 45/40 °C

(3) Inlet air 21 °C - 75% RH, water in / out 7/12 °C



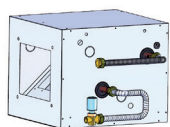
Model		€
Section with COMPRESSOR DRIVE 35 - 60 water coil	75800630	660,00
Section with COMPRESSOR DRIVE 100 water coil	75800631	756,00
Section with COMPRESSOR DRIVE 150 water coil	75800632	972,00
Section with COMPRESSOR DRIVE 230 water coil	75800633	1.120,00
Section with COMPRESSOR DRIVE 320 water coil	75800634	1.198,00
Section with COMPRESSOR DRIVE 450 water coil	75800635	1.440,00

COMPRESSOR DRIVE

Air conditioning and dehumidification system with air renewal and support thermodynamic compressor

2-way valve kit with on / off servomotor

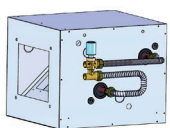
Kit for on / off regulation of the auxiliary water coil complete with 2-way valve, servomotor with 230 V power supply hydraulic connection fittings.



Model	Code	€
COMPRESSOR DRIVE 35 - 320 2-way valve kit	75800640	446,00
COMPRESSOR DRIVE 450 2-way valve kit	75800641	464,00

3-way valve kit with on / off servomotor

Kit for on / off regulation of the auxiliary water coil complete with 3-way valve, servomotor with 230 V power supply hydraulic connection fittings.



Model	Code	€
Kit valvola a 3 vie COMPRESSOR DRIVE 35 - 320	75800645	480,00
Kit valvola a 3 vie COMPRESSOR DRIVE 450	75800646	502,00

High efficiency class F7 filters

Polypropylene filters and galvanized steel frame placed on the machine in place of the standard filters, on both filter sections.



Model	Code	€
Filters class F7 COMPRESSOR DRIVE 35 - 60	75800650	74,00
Filters class F7 COMPRESSOR DRIVE 100	75800651	102,00
Filters class F7 COMPRESSOR DRIVE 150	75800652	130,00
Filters class F7 COMPRESSOR DRIVE 230	75800653	192,00
Filters class F7 COMPRESSOR DRIVE 320	75800654	210,00
Filters class F7 COMPRESSOR DRIVE 450	75800655	280,00

Auxiliary electrical resistance

Filament resistor complete with safety thermostat and control relay installed on the machine, both as a post-heating function winter as a pre-heating function in the case of outdoor air temperature below the normal range of operation.

With the installation of the electrical resistance the machine continues to ventilate even during defrost cycles.

Models	U.M.	35	60	100	150	230	320	450
Nominal power	kW	1,5	1,5	3,0	3,0	6,0	9,0	12,0
Power supply		220V/1/50Hz				400V/3/50Hz		
Absorption	A	6,5	6,5	13,0	13,0	8,7	13,0	17,4



Electric resistance COMPRESSOR DRIVE 35 - 60	75800620	590,00
Electric resistance COMPRESSOR DRIVE 100 - 150	75800621	650,00
Electric resistance COMPRESSOR DRIVE 230	75800622	820,00
Electric resistance COMPRESSOR DRIVE 320	75800623	1.020,00
Electric resistance COMPRESSOR DRIVE 450	75800624	1.240,00

COMPRESSOR DRIVE

Air conditioning and dehumidification system with air renewal and support thermodynamic compressor

Circular attack kit

Circular connections made of galvanized sheet that allows a quick connection through circular ducts both in delivery and in recovery.

Model	U.M.	35 - 60	100	150	230	320	450
Diameter	mm	200	315	315	355	400	450



Model	Code	€
Circular attack kit COMPRESSOR DRIVE 35 - 60	75800670	210,00
Circular attack kit COMPRESSOR DRIVE 100	75800671	240,00
Circular attack kit COMPRESSOR DRIVE 150	75800672	280,00
Circular attack kit COMPRESSOR DRIVE 230	75800673	324,00
Circular attack kit COMPRESSOR DRIVE 320	75800674	366,00
Circular attack kit COMPRESSOR DRIVE 450	75800675	410,00

Differential pressure switch

Device for checking the clogging status of the filters, it is applied to a side panel near the filtering section from check and wired to the electrical panel of the machine.

If the maximum loss of load set is reached, the panel of command warns the user, through appropriate alarm control on the display.



Differential pressure gauge COMPRESSOR DRIVE	75800610	160,00
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Channel silencer

Trim silencer consisting of a rectangular section steel frame insulated with glass wool and covered with a compact fabric which prevents the wool fibers from flaking. The sound wave generated by the fan is damped by the impact with the walls of the septa with load losses of 40 Pa at nominal flow.



Model		
Channel silencer COMPRESSOR DRIVE 35 - 60	75800680	450,00
Channel silencer COMPRESSOR DRIVE 100	75800681	536,00
Channel silencer COMPRESSOR DRIVE 150	75800682	840,00
Channel silencer COMPRESSOR DRIVE 230	75800683	910,00
Channel silencer COMPRESSOR DRIVE 320	75800684	1.070,00
Channel silencer COMPRESSOR DRIVE 450	75800685	1.298,00

Bioxigen® sanitization system

Ducted stainless steel module that allows the reduction of the bacterial load inside the channel by ionization of the air flow through the battery and air purification introduced into the rooms.

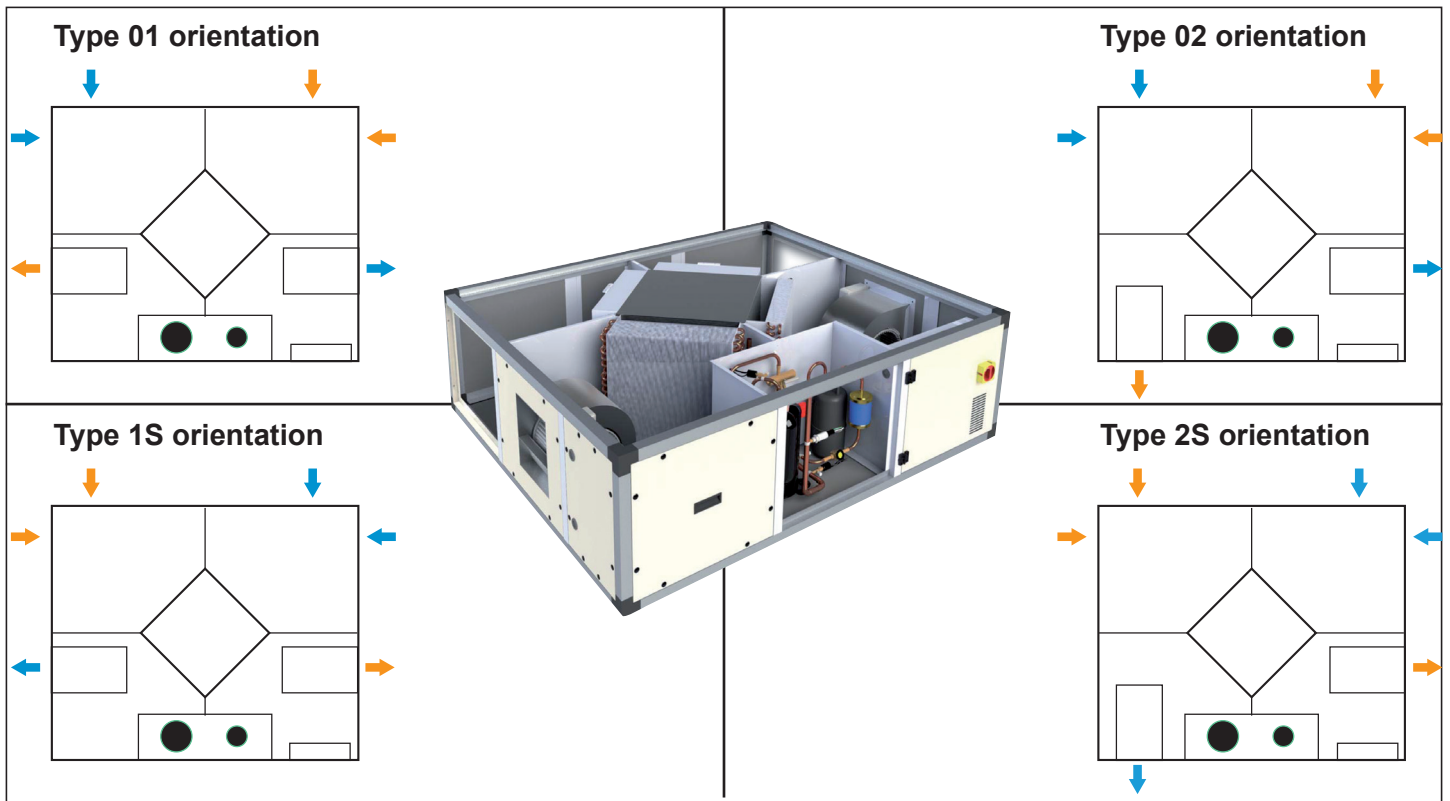


Model		
Bioxigen® COMPRESSOR DRIVE 35 - 60	75800690	598,00
Bioxigen® COMPRESSOR DRIVE 100	75800691	660,00
Bioxigen® COMPRESSOR DRIVE 150	75800692	792,00
Bioxigen® COMPRESSOR DRIVE 230	75800693	1.180,00
Bioxigen® COMPRESSOR DRIVE 320	75800694	1.240,00
Bioxigen® COMPRESSOR DRIVE 450	75800695	1.438,00

COMPRESSOR DRIVE

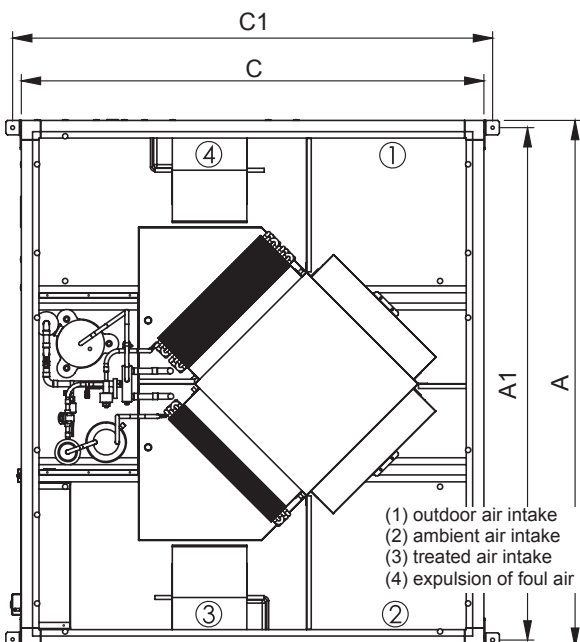
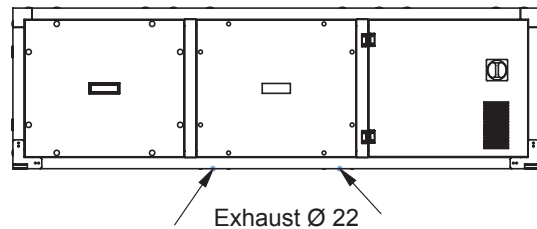
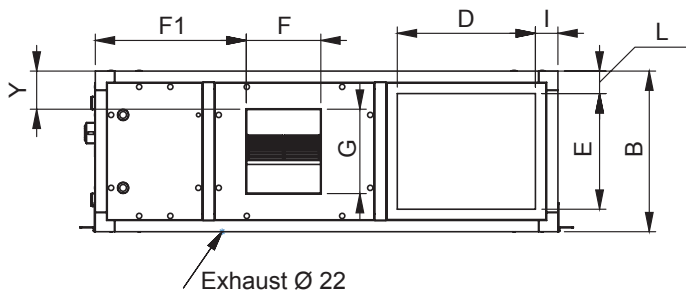
Air conditioning and dehumidification system with air renewal and support thermodynamic compressor

Possible directions COMPRESSOR DRIVE



Legend: Expelled air Renewal air The orientations shown are relative to the machine seen from above

Dimensions and weights COMPRESSOR DRIVE models



Model	U.M.	35	60	100	150	230	320	450
A	mm	1540	1540	1840	1840	2040	2040	2240
B	mm	370	370	410	500	550	650	710
C	mm	1240	1240	1440	1440	1690	1690	1890
A1	mm	1495	1495	1795	1795	1995	1995	2195
C1	mm	1294	1294	1494	1494	1744	1744	1944
D	mm	300	300	400	400	500	500	600
E	mm	210	210	250	350	410	510	550
F	mm	232	232	233	233	299	332	332
F1	mm	458	458	703	470	571	500	604
G	mm	115	115	264	264	264	291	291
I	mm	85	85	85	85	85	85	85
L	mm	80	80	80	75	70	70	80
Y	mm	90	90	55	118	120	180	180
Weight	Kg	122	125	185	228	267	281	392

COMPRESSOR DRIVE

Air conditioning and dehumidification system with air renewal and support thermodynamic compressor

Technical data table COMPRESSOR DRIVE

Model	U.M.	35	35E	60	60E	100	100E	150	150E	230	230E	320	320E	450	450E
Nominal air flow rate	m ³ /h	350		600		1000		1500		2300		3200		4500	
Supply static pressure	Pa	165	270	170	285	195	295	155	290	155	365	185	265	175	270
Useful static pressure recovery	Pa	140	245	100	215	140	240	95	230	95	305	115	195	110	205
Sound pressure level ⁽¹⁾	dB(A)	59/47/52		64/50/55		62/49/54		67/54/57		65/51/59		68/54/59		70/56/59	

FUNCTIONAL LIMITS

Limit operating conditions ⁽¹⁾	°C / %	MIN -10 °C OUT & MIN 19 °C 50% IN													
	°C / %	MAX 38 °C 50% OUT & MAX 27 °C IN													
Range variation range	%	-7 ÷ +7													

ELECTRICAL DATA

Power supply		230V/1/50Hz						450V/3+N/50Hz		
Maximum current consumption ⁽²⁾	A	5,3	9,0	13,2	20,2	10,0	15,4	16,8		

HEATING PERFORMANCE ⁽³⁾

Static recovery efficiency	%	62	51	50	50	50	50	50
Total thermal power	W	3580	5790	9410	14390	21190	30260	36010
Thermal power recovery active	W	1740	2960	5010	7690	11090	16300	17300
Global COP ⁽⁴⁾	W/W	10,9	9,6	9,2	8,6	8,9	9,9	12,6
Entry temperature	°C	24	23	22	22	22	22	18

COOLING PERFORMANCE ⁽⁵⁾

Static recovery efficiency	%	56	50	50	50	50	50	49
Total cooling capacity	W	2210	3450	5840	8720	12830	18390	21440
Cooling power recovery active	W	1810	2680	4890	7270	10580	15310	16990
Global EER	W/W	4,2	3,9	4,2	3,9	3,9	4,1	5,0
Entry temperature	°C	20	20	20	20	20	20	21

(1) Sound pressure level estimated at 1 m from: ducted pressure socket / intake / suction / compressor compartment

(2) Referred to nominal flow

(3) Outdoor air -5 °C 80% RH; ambient air 20 °C 50% RH

(4) Excluding the absorbed power for ventilation

(5) External air 32 °C 50% RH; ambient air 26 °C 50% RH