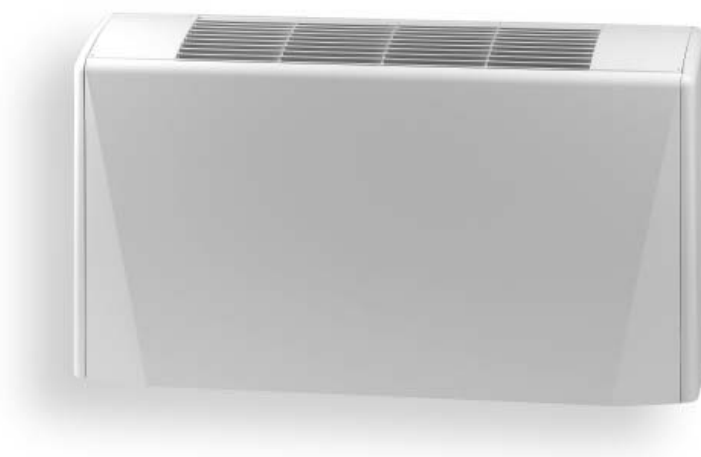


TECHNICAL MANUAL



CENTRIFUGAL FAN COIL UNIT

AIR



Vers. 2013-0



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INTRODUCTION

GENERAL DESCRIPTION

The AIR series fan coil unit is a terminal which uses warm water for heating in winter and refrigerated water for cooling in summer, generating a thermal exchange between a bank of finned tubes and a forced air flow originating from one or more fans. The units may be installed both vertically or horizontally with cabinet in case of exposed versions, or enclosed in a recess or on the drop ceiling. Thanks to the wide range of accessories, we can meet all the installation and air handling requirements.

Main components:

- metal structure; - one or more block of finned tubes (generally water-operated);
- one or more fans activated by one or more electric motors;
- a drain pan for summer use;
- an air filter;

The Air series fan coil units have been specifically designed for summer and winter air conditioning in both residential and commercial buildings (office premises, hotels, etc.) and thanks to their beautiful and innovative design they are suitable to be installed anywhere in the room and they perfectly integrate with modern style furniture.

FANS

Centrifugal fan with double-inlet aluminium or plastic impellers with long blades to achieve a high airflow with a low rotation speed.

COIL

Coil made of copper pipe expanded into aluminium fins in continuous block. Brass headers with female fittings (GAS threads) and easily accessible air vents.

DRAIN PAN

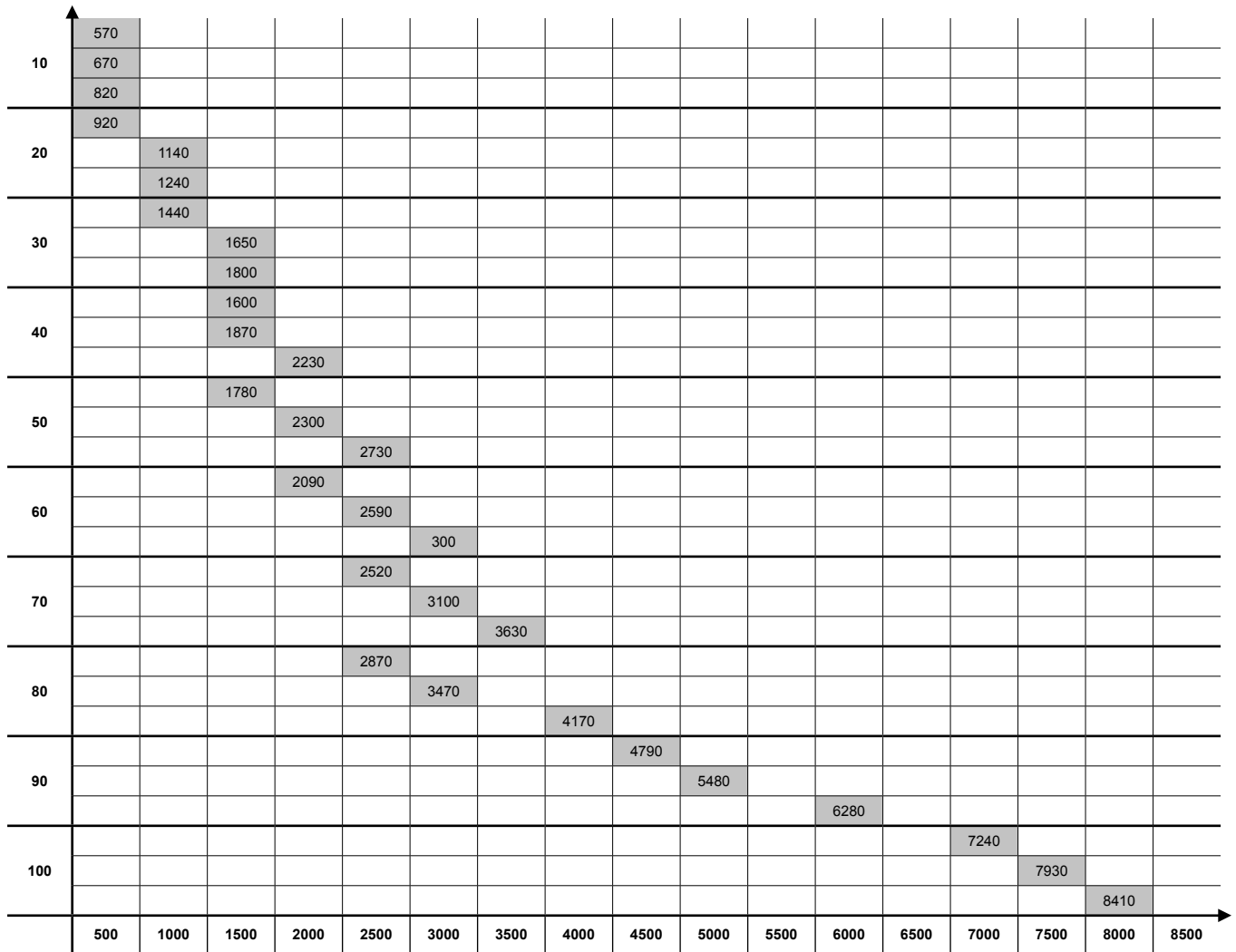
Insulated main pan in black prepainted galvanised steel sheet for condensate collection, equipped with drain plug for complete drainage and thermally insulated by a self-stick mat in closed cell polyurethane foam 3-mm thick.

AIR FILTER

Standard honeycomb polypropylene air filter, filtration level G1.

UNIT OVERVIEW

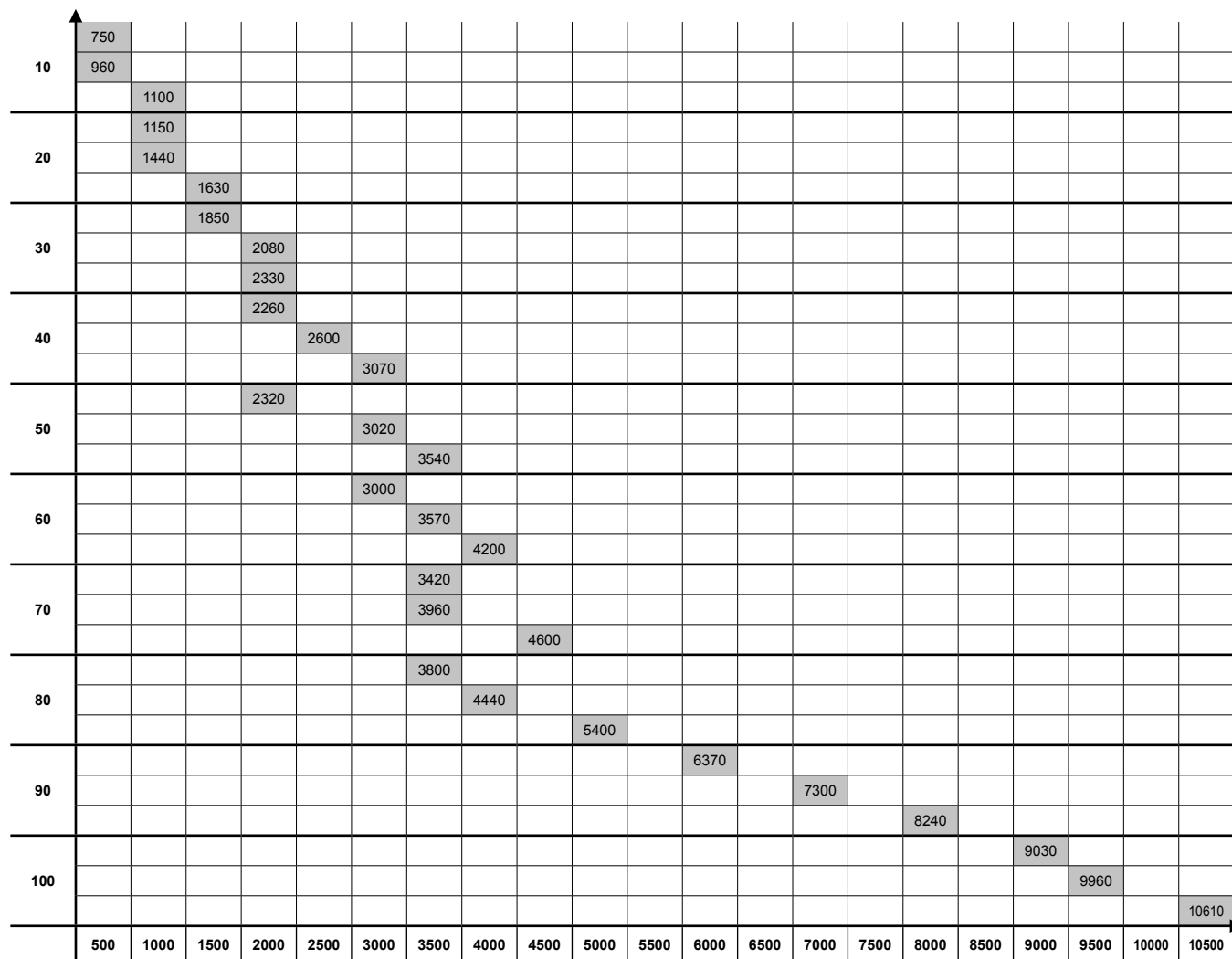
TOTAL COOLING CAPACITY



Total cooling capacity (W)

UNIT OVERVIEW

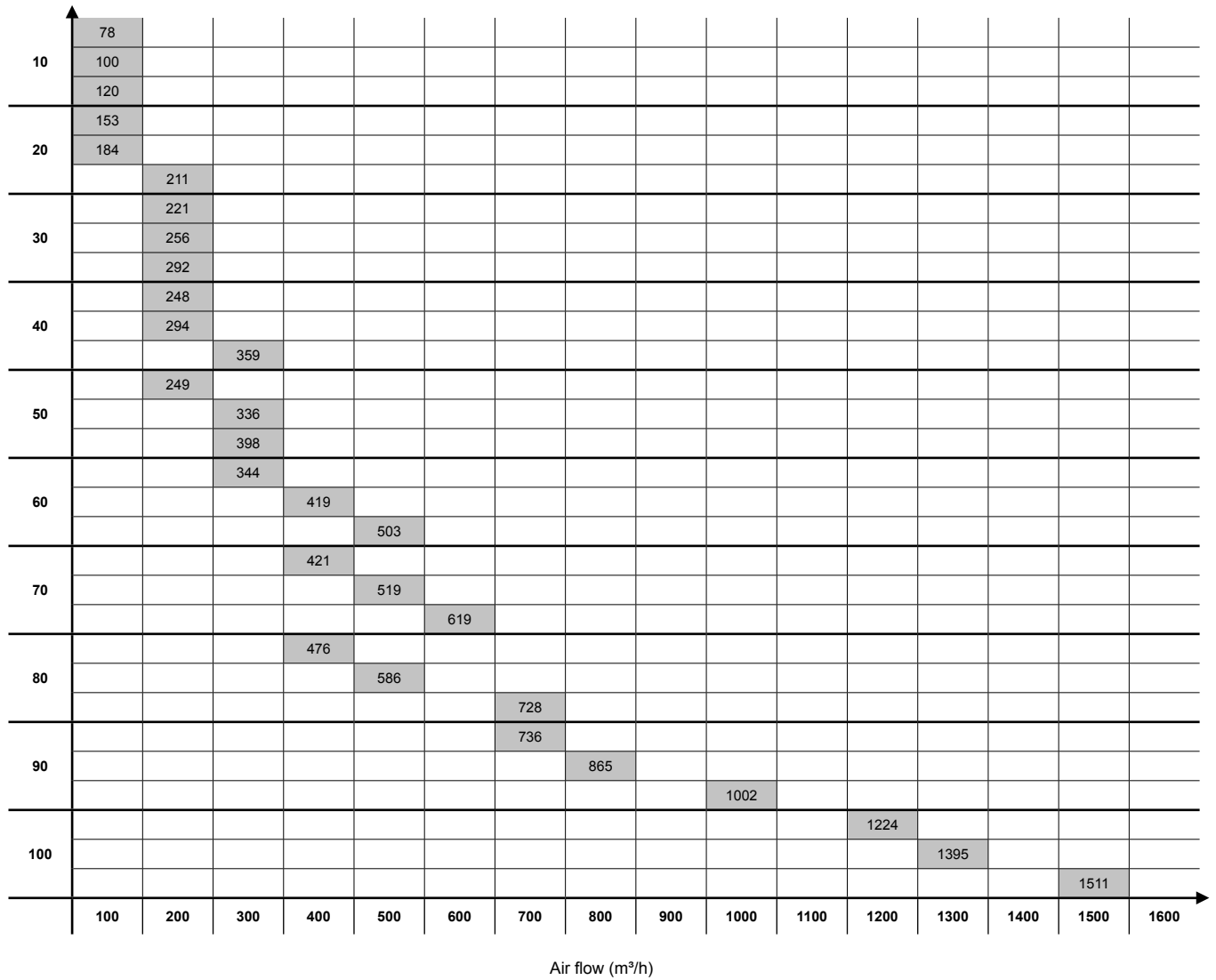
HEATING CAPACITY



Heating capacity [water 50°C] (W)

UNIT OVERVIEW

AIR FLOW



TECHNICAL DATA

GENERAL TECHNICAL DATA

				10	20	30	40	50	60	70	80	90	100
				4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°
COOLING Inlet water temp.: 7 °C Outlet water temp.: 12 °C Inlet air temp.: 27 °C d.b.-19 °C w.b.	Total cooling capacity	W	6	1250	1930	2730	3710	4950	5010	5670	6490	8670	9870
		W	5	1000	1720	2330	2850	3560	4030	4570	5710	7660	9410
		W	4	870	1320	1940	2360	2890	3200	3840	4410	6640	8890
		W	3	770	1170	1720	1960	2380	2670	3220	3600	5690	8230
		W	2	680	980	1480	1640	1810	2120	2570	2920	4880	7380
		W	1	580	850	1060	1270	1450	1910	2310	2580	4430	6880
	Sensible cooling capacity	W	6	960	1430	2030	2750	3660	3690	4200	4870	6490	7450
		W	5	750	1270	1710	2070	2570	2920	3340	4240	5680	7090
		W	4	650	950	1410	1700	2060	2290	2780	3220	4870	6670
		W	3	570	840	1260	1390	1680	1900	2320	2590	4140	6140
		W	2	490	710	1070	1170	1280	1500	1830	2090	3520	5460
		W	1	390	610	780	890	1020	1350	1650	1830	3170	5060
	Water flow	l/h	6	215	331	468	636	850	859	973	1114	1489	1695
		l/h	5	172	295	399	489	612	691	785	979	1315	1615
		l/h	4	149	227	334	404	496	549	659	756	1139	1526
		l/h	3	133	200	295	336	409	458	553	618	976	1417
		l/h	2	116	168	255	282	311	364	441	502	837	1267
		l/h	1	99	146	182	218	249	327	397	443	761	1180
Water pressure drop	kPa	6	6	16,3	36,6	24	46,1	23,9	17,9	22,7	41,8	34,6	
	kPa	5	4	13,3	27,7	15,1	25,9	16,3	12,2	18,1	33,6	31,8	
	kPa	4	3,1	8,4	20,2	10,8	17,9	10,8	9	11,5	26,1	28,8	
	kPa	3	2,5	6,7	16,2	7,8	12,7	7,9	6,6	8	19,9	25,1	
	kPa	2	2	5	12,6	5,7	7,9	5,3	4,4	5,6	15,2	20,7	
	kPa	1	1,5	3,8	7	3,6	5,3	4,4	3,7	4,5	12,8	18,3	
HEATING Air temp.: 20 °C Inlet water temp.: 50 °C	Heating capacity	W	6	1770	2530	3500	5180	6570	7000	7340	8580	11600	12520
		W	5	1360	2210	2980	3940	4650	5560	5850	7480	10170	11910
		W	4	1120	1660	2460	3250	3740	4440	4870	5710	8710	11210
		W	3	960	1470	2160	2700	3140	3710	4110	4610	7580	10330
		W	2	750	1170	1880	2310	2370	3060	3490	3880	6490	9200
		W	1	580	1030	1410	1750	1820	2730	3170	3420	5830	8540
	Water flow	l/h	6	215	331	468	636	850	859	973	1114	1489	1695
		l/h	5	172	295	399	489	612	691	785	979	1315	1615
		l/h	4	149	227	334	404	496	549	659	756	1139	1526
		l/h	3	134	200	295	336	409	458	553	618	976	1417
		l/h	2	116	168	255	282	311	364	441	502	837	1267
		l/h	1	99	146	182	218	249	327	397	443	761	1180
	Water pressure drop	kPa	6	4,9	13,3	29,8	19,6	37,6	19,5	14,6	18,5	34,1	26,1
		kPa	5	3,3	10,9	22,6	12,3	21,1	13,3	10	14,7	27,4	23,5
		kPa	4	2,9	6,9	16,4	8,8	14,6	8,8	7,3	9,3	21,3	21,3
		kPa	3	2,1	5,5	13,2	6,4	10,4	6,4	5,4	6,5	16,2	19,2
		kPa	2	1,6	4	10,2	4,7	6,4	4,3	3,6	4,5	12,4	16,3
		kPa	1	1,2	3,1	5,7	3	4,3	3,6	3	3,6	10,5	14,4

- Standard unit with free outlet:
- Sound power level:
- Sound pressure level:
- Maximum voltage allowed:

external static pressure = 0 Pa
 ISO 23741
 8,6 dB(A) lower that the sound power level for a room of 90 m3 with a reverberation time of 0,5 sec.
 ~230V±10% / 1ph / 50-60Hz

TECHNICAL DATA

GENERAL TECHNICAL DATA

			10	20	30	40	50	60	70	80	90	100	
			4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	
2 pipe system (3R coil)													
HEATING Air temp.: 20°C Inlet water temp.: 70/60°C	Heating capacity	W	6	3070	4300	5920	8860	11150	11970	12430	14590	19730	21180
		W	5	2350	3740	5030	6730	7860	9480	9900	12710	17280	20130
		W	4	1920	2810	4140	5540	6320	7570	8220	9660	14760	18940
		W	3	1640	2480	3630	4600	5310	6320	6940	7800	12860	17440
		W	2	1280	1960	3170	3940	4000	5230	5930	6570	11010	15520
		W	1	1000	1740	2380	2970	3100	4660	5400	5800	9870	14390
	Water flow	l/h	6	269	378	520	779	979	1052	1092	1281	1733	1860
		l/h	5	206	329	442	590	690	833	869	1116	1518	1768
		l/h	4	169	247	364	486	555	665	721	848	1297	1664
		l/h	3	146	218	319	403	466	555	609	684	1129	1532
		l/h	2	114	172	279	346	351	459	521	577	967	1364
		l/h	1	88	152	209	261	282	409	474	509	867	1264
	Water pressure drop	kPa	6	6,6	15,4	33,1	25,7	44,4	25,6	16,4	21,7	41	30,6
		kPa	5	4,1	12,1	24,8	15,8	24	17	11	17	32,4	28
		kPa	4	3,3	7,3	17,6	11,2	16,3	11,4	7,9	10,5	24,6	25,1
		kPa	3	2,3	5,9	14	8,1	12	8,3	5,9	7,2	19,3	21,7
		kPa	2	1,5	3,9	11	6,2	7,3	6	4,5	5,3	14,7	17,7
		kPa	1	0,9	3,1	6,6	3,8	5	4,9	3,8	4,3	12,1	15,5
FURTHER DATA	Air flow	m³/h	6	205	342	427	603	771	835	968	1153	1376	1670
		m³/h	5	150	295	364	439	510	650	753	1001	1198	1604
		m³/h	4	120	211	292	359	398	503	619	728	1002	1511
		m³/h	3	100	184	256	294	336	419	519	586	865	1395
		m³/h	2	78	153	221	248	249	344	421	476	736	1224
		m³/h	1	61	130	160	220	189	299	379	407	649	1112
	Sound power level	dB(A)	6	48	51	51	53	54	54	57	62	62	65
		dB(A)	5	41	47	47	45	46	49	52	59	59	64
		dB(A)	4	36	40	43	40	40	43	46	51	55	62
		dB(A)	3	32	36	39	35	36	38	41	45	51	60
		dB(A)	2	26	30	36	31	30	33	37	40	47	57
		dB(A)	1	21	28	29	25	25	30	34	38	43	55
Sound pressure level	dB(A)	6	39	42	42	44	45	45	48	53	53	56	
	dB(A)	5	32	38	38	36	37	40	43	50	50	55	
	dB(A)	4	27	31	34	31	31	34	37	42	46	53	
	dB(A)	3	23	27	30	26	27	29	32	36	42	51	
	dB(A)	2	17	21	28	22	21	24	28	31	38	48	
	dB(A)	1	13	19	21	16	16	21	25	29	34	46	
Power supply			~230V / 1ph / 50Hz										
Power input	W	6	35	45	58	77	91	104	114	153	220	249	
	W	5	24	35	45	49	62	80	88	136	169	229	
	W	4	19	22	34	38	48	61	67	104	129	213	
	W	3	16	18	29	30	39	50	54	84	105	195	
	W	2	12	13	24	25	30	41	45	68	86	179	
	W	1	10	12	18	19	23	35	38	59	73	162	
Absorbet current	A	6	0,16	0,20	0,26	0,34	0,41	0,47	0,50	0,67	0,97	1,14	
	A	5	0,11	0,15	0,20	0,22	0,28	0,36	0,39	0,60	0,74	1,05	
	A	4	0,09	0,10	0,15	0,17	0,21	0,28	0,29	0,46	0,57	0,97	
	A	3	0,07	0,08	0,13	0,13	0,17	0,22	0,24	0,38	0,46	0,90	
	A	2	0,06	0,06	0,11	0,11	0,13	0,18	0,20	0,32	0,38	0,83	
	A	1	0,04	0,05	0,08	0,09	0,10	0,16	0,17	0,28	0,32	0,76	

- Standard unit with free outlet:
- Sound power level:
- Sound pressure level:
- Maximum voltage allowed:

external static pressure = 0 Pa
 ISO 23741
 8,6 dB(A) lower than the sound power level for a room of 90 m3 with a reverberation time of 0,5 sec.
 ~230V±10% / 1ph / 50-60Hz

TECHNICAL DATA

GENERAL TECHNICAL DATA

			10	20	30	40	50	60	70	80	90	100	
			4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	
2 pipe system (4R coil)													
COOLING Inlet water temp.: 7 °C Outlet water temp.: 12 °C Inlet air temp.: 27°C d.b./-19°C w.b.	Total cooling capacity	W	6	1650	2310	3070	4230	5700	5610	6610	7650	10240	11510
		W	5	1300	2060	2600	3230	4080	4460	5330	6700	8980	10960
		W	4	1020	1560	2140	2650	3280	3480	4410	5140	7790	10330
		W	3	910	1380	1880	2180	2690	2880	3710	4160	6620	9520
		W	2	810	1180	1630	1840	1990	2290	2960	3380	5630	8480
		W	1	680	1020	1130	1410	1500	1800	2680	3000	5090	7880
	Sensible cooling capacity	W	6	1190	1640	2220	3030	4060	4010	4710	5510	7370	8370
		W	5	920	1460	1860	2290	2880	3160	3780	4780	6410	7950
		W	4	730	1090	1530	1870	2290	2450	3110	3640	5530	7480
		W	3	650	960	1350	1520	1850	2030	2600	2920	4670	6850
		W	2	500	820	1150	1280	1370	1600	2050	2360	3960	6060
		W	1	390	710	810	970	1040	1270	1860	2070	3560	5620
	Water flow	l/h	6	283	397	526	727	978	962	1134	1313	1757	1975
		l/h	5	222	353	446	555	701	766	915	1149	1541	1881
		l/h	4	176	268	368	454	562	597	757	882	1337	1773
		l/h	3	157	236	323	375	461	495	636	714	1136	1634
		l/h	2	139	202	279	315	341	392	508	580	967	1456
		l/h	1	117	176	194	242	257	308	459	514	873	1353
	Water pressure drop	kPa	6	13	30,1	526	18,3	35,6	12,7	18,9	24,5	45,3	27,3
		kPa	5	8,5	24,5	446	11,4	19,8	8,5	13	19,4	36	25,1
		kPa	4	5,6	15,1	368	8	13,4	5,5	9,3	12,1	28	22,6
		kPa	3	4,6	12,1	323	5,7	9,5	3,9	6,8	8,4	21	19,6
		kPa	2	3,7	9,1	279	4,2	5,6	2,6	4,6	5,8	15,8	16
		kPa	1	2,7	7,2	194	2,6	3,4	1,7	3,8	4,7	13,2	14
HEATING Air temp.: 20°C Inlet water temp.: 50°C	Heating capacity	W	6	1950	2860	3900	5710	7330	7830	8280	9800	13140	14310
		W	5	1430	2470	3290	4170	4890	6150	6570	8520	11460	13600
		W	4	1130	1830	2680	3410	3810	4760	5380	6410	9600	12780
		W	3	950	1600	2340	2770	3190	3970	4520	5130	8260	11720
		W	2	740	1270	2030	2350	2370	3260	3790	4260	7040	10390
		W	1	580	1110	1490	1870	1790	2830	3450	3750	6180	9580
	Water flow	l/h	6	283	397	526	727	978	962	1134	1313	1757	1975
		l/h	5	222	353	446	555	701	766	915	1149	1541	1881
		l/h	4	176	268	368	454	562	597	757	882	1337	1773
		l/h	3	157	236	323	375	461	495	636	714	1136	1634
		l/h	2	139	202	279	315	341	392	508	580	967	1456
		l/h	1	117	176	194	242	257	308	459	514	873	1353
	Water pressure drop	kPa	6	10,6	24,5	15,9	14,9	29	10,3	15,4	20	36,9	22,3
		kPa	5	6,9	20	11,9	9,3	16,1	6,9	10,6	15,8	29,3	20,4
		kPa	4	5	12,3	8,5	6,5	10,9	4,4	7,6	9,9	22,8	18,4
		kPa	3	3,7	9,9	6,7	4,6	7,7	3,2	5,6	6,8	17,1	15,9
		kPa	2	3	7,5	5,2	3,4	4,5	2,1	3,8	4,7	12,9	13
		kPa	1	2,2	5,9	2,7	2,1	2,8	1,4	3,1	3,8	10,8	11,4

- Standard unit with free outlet:

external static pressure = 0 Pa

TECHNICAL DATA

GENERAL TECHNICAL DATA

			10	20	30	40	50	60	70	80	90	100	
			4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	
2 pipe system (4R coil)													
HEATING Air temp.: 20°C Inlet water temp.: 70/60°C	Heating capacity	W	6	3310	4810	6580	9710	12490	13360	13950	16540	22370	24110
		W	5	2430	4150	5540	7090	8330	10470	11040	14380	19500	22900
		W	4	1930	3060	4520	5800	6480	8110	9020	10790	16340	21510
		W	3	1620	2670	3930	4730	5440	6770	7580	8620	14080	19720
		W	2	1270	2110	3410	4000	4050	5550	6390	7170	11980	17460
		W	1	980	1860	2520	3150	3050	4800	5810	6300	10510	16080
	Water flow	l/h	6	305	422	578	869	1100	1173	1224	1453	1974	2117
		l/h	5	230	364	487	651	766	919	969	1262	1719	2011
		l/h	4	186	269	396	531	607	722	792	948	1457	1888
		l/h	3	160	235	345	435	504	599	666	757	1259	1731
		l/h	2	124	185	299	370	376	491	561	629	1070	1533
		l/h	1	94	162	221	277	297	432	510	553	949	1412
	Water pressure drop	kPa	6	39,4	25,2	17,3	18,8	32,8	13,4	16,2	21,9	41,6	23,1
		kPa	5	32,3	19,5	12,8	11,3	17,4	8,8	10,8	17,1	32,7	21,1
		kPa	4	27,4	11,4	8,9	7,9	11,5	5,7	7,5	10,3	24,4	18,9
		kPa	3	23,4	9	7	5,5	8,3	4,1	5,6	7	18,9	16,2
		kPa	2	17,4	5,9	5,4	4,2	5	2,9	4,1	5	14,2	13,1
		kPa	1	12,5	4,7	3,2	2,5	3,3	2,3	3,5	4	11,5	11,3
FURTHER DATA	Air flow	m³/h	6	202	333	420	591	760	822	952	1137	1361	1647
		m³/h	5	148	287	358	432	507	641	745	993	1187	1584
		m³/h	4	118	205	287	353	394	493	609	724	994	1494
		m³/h	3	99	177	251	288	331	412	512	583	856	1378
		m³/h	2	77	148	216	243	247	338	415	471	729	1212
		m³/h	1	60	127	157	215	186	292	374	405	640	1098

- Standard unit with free outlet:

external static pressure = 0 Pa

TECHNICAL DATA

GENERAL TECHNICAL DATA

			10	20	30	40	50	60	70	80	90	100	
			4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	4° 3° 2°	
4 pipe system (3R+1 coil)													
COOLING Inlet water temp.: 7 °C Outlet water temp.: 12 °C Inlet air temp.: 27 °C d.b. - 19 °C w.b.	Total cooling capacity	W	6	1230	1890	2670	3640	4870	4920	5570	6380	8530	9700
		W	5	980	1680	2290	2800	3500	3960	4490	5610	7530	9240
		W	4	860	1300	1910	2310	2840	3140	3770	4320	6520	8730
		W	3	750	1140	1680	1920	2340	2630	3160	3530	5580	8080
		W	2	670	960	1450	1610	1780	2090	2530	2870	4790	7240
		W	1	560	840	1040	1250	1430	1870	2260	2540	4350	6750
	Sensible cooling capacity	W	6	950	1400	1960	2700	3590	3880	4130	4770	6380	7320
		W	5	750	1240	1660	2030	2530	2870	3280	4160	5580	6950
		W	4	640	940	1370	1660	2030	2250	2720	3150	4780	6550
		W	3	550	820	1200	1270	1660	1870	2260	2540	4060	6020
		W	2	480	690	1030	1140	1250	1480	1800	2040	3450	5360
		W	1	390	600	730	890	990	1320	1600	1810	3110	4970
	Water flow	l/h	6	211	325	459	625	836	844	957	1094	1463	1665
		l/h	5	168	289	392	480	602	679	770	962	1292	1586
		l/h	4	147	223	327	397	488	539	646	742	1119	1499
		l/h	3	129	196	288	329	401	451	512	606	958	1386
		l/h	2	115	165	249	277	305	359	434	492	822	1243
		l/h	1	96	143	179	214	245	321	388	435	746	1159
	Water pressure drop	kPa	6	5,8	15,8	35,4	23,2	44,8	23,2	17,3	22	40,6	33,6
		kPa	5	3,9	12,8	26,9	14,6	25,1	15,8	11,8	17,5	32,6	30,8
		kPa	4	3	8,1	19,5	10,4	17,3	10,5	8,7	11,1	25,3	27,9
		kPa	3	2,4	6,5	15,6	7,5	12,3	7,7	6,4	7,7	19,2	24,3
		kPa	2	2	4,8	12,1	5,5	7,6	5,1	4,3	5,4	14,7	20,1
		kPa	1	1,4	3,7	6,7	3,5	5,2	4,2	3,5	4,3	12,4	17,7
HEATING Air temp.: 20 °C Inlet water temp.: 70/60 °C	Heating capacity	W	6	1270	2000	2910	3230	4770	4970	5480	6000	7990	8510
		W	5	1040	1830	2580	2630	3690	4110	4640	5480	7240	8060
		W	4	870	1440	2220	2240	3070	3390	3980	4390	6370	7590
		W	3	840	1360	2030	1940	2660	2950	3550	3910	5660	7090
		W	2	710	1170	1830	1710	2120	2570	3160	3450	5010	6500
		W	1	600	740	1440	1390	1750	2340	2920	3120	4560	6140
	Water flow	l/h	6	112	176	255	284	419	436	481	527	702	747
		l/h	5	92	161	226	231	324	361	408	482	636	708
		l/h	4	77	127	195	196	269	298	350	386	559	667
		l/h	3	74	119	178	170	233	259	312	343	498	623
		l/h	2	62	103	161	151	186	226	278	303	439	571
		l/h	1	52	65	126	122	154	206	256	274	400	540
	Water pressure drop	kPa	6	2,4	6,9	16,4	23,5	7,7	9,4	12,6	14,8	27,2	33,4
		kPa	5	1,7	5,9	13,3	16,3	4,9	6,8	9,4	12,6	22,8	30,4
		kPa	4	1,2	3,9	10,2	12,3	3,5	4,8	7,2	8,5	18,2	27,3
		kPa	3	1,1	3,5	8,7	9,5	2,7	3,8	5,9	7	14,8	24,2
		kPa	2	0,9	2,7	7,3	7,7	1,8	3	4,8	5,6	11,9	20,8
		kPa	1	0,6	1,2	4,8	5,3	1,3	2,5	4,2	4,7	10,1	18,8

- Standard unit with free outlet:
- Sound power level:
- Sound pressure level:
- Maximum voltage allowed:

external static pressure = 0 Pa
 ISO 23741
 8,6 dB(A) lower that the sound power level for a room of 90 m3 with a reverberation time of 0,5 sec.
 ~230V±10% / 1ph / 50-60Hz

For conditions of use different from the ones indicated above, please refer to our selection program and to the curves characterizing the machines.

TECHNICAL DATA

GENERAL TECHNICAL DATA

			10	20	30	40	50	60	70	80	90	100	
			4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	
FURTHER DATA	4 pipe system (3R+1 coil)												
	Air flow	m ³ /h	6	200	317	424	604	753	829	960	1138	1352	1643
		m ³ /h	5	146	282	354	427	505	635	751	1000	1180	1572
		m ³ /h	4	117	201	291	349	401	496	603	733	990	1493
		m ³ /h	3	98	174	248	284	329	407	508	581	851	1368
		m ³ /h	2	76	146	214	241	245	335	411	469	725	1216
	Sound power level	dB(A)	6	48	51	52	53	54	55	57	62	62	65
			5	41	47	48	45	46	49	52	59	59	64
			4	36	40	43	40	40	43	46	51	55	62
			3	32	36	39	35	36	38	41	45	51	60
			2	26	30	36	32	30	33	37	40	47	57
			1	20	28	29	25	25	30	34	38	43	55
	Sound pressure level	dB(A)	6	39	42	43	44	45	46	48	53	53	56
			5	32	38	39	36	37	40	43	50	50	55
			4	27	31	34	31	31	34	37	42	46	53
			3	23	27	30	26	27	29	32	36	42	51
			2	17	21	28	23	21	24	28	31	38	48
			1	12	19	21	16	16	21	25	29	34	46
	Power supply			~230V / 1ph / 50Hz									
	Power input	W	6	35	45	58	77	91	104	114	153	220	249
			5	24	35	45	49	62	80	88	136	169	229
			4	19	22	34	38	48	61	67	104	129	213
			3	16	18	29	30	39	50	54	84	105	195
			2	12	13	24	25	30	41	45	68	86	179
			1	10	12	18	19	23	35	38	59	73	162
	Absorbet current	A	6	0,16	0,20	0,26	0,34	0,41	0,47	0,50	0,67	0,97	1,14
			5	0,11	0,15	0,20	0,22	0,28	0,36	0,39	0,60	0,74	1,05
4			0,09	0,10	0,15	0,17	0,21	0,28	0,29	0,46	0,57	0,97	
3			0,07	0,08	0,13	0,13	0,17	0,22	0,24	0,38	0,46	0,90	
2			0,06	0,06	0,11	0,11	0,13	0,18	0,20	0,32	0,38	0,83	
1			0,04	0,05	0,08	0,09	0,10	0,16	0,17	0,28	0,32	0,76	

- Standard unit with free outlet:
- Sound power level:
- Sound pressure level:
- Maximum voltage allowed:

external static pressure = 0 Pa
 ISO 23741
 8,6 dB(A) lower that the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec.
 ~230V±10% / 1ph / 50-60Hz

For conditions of use different from the ones indicated above, please refer to our selection program and to the curves characterizing the machines.

DIRECT EXPANSION COIL - GAS R410a -

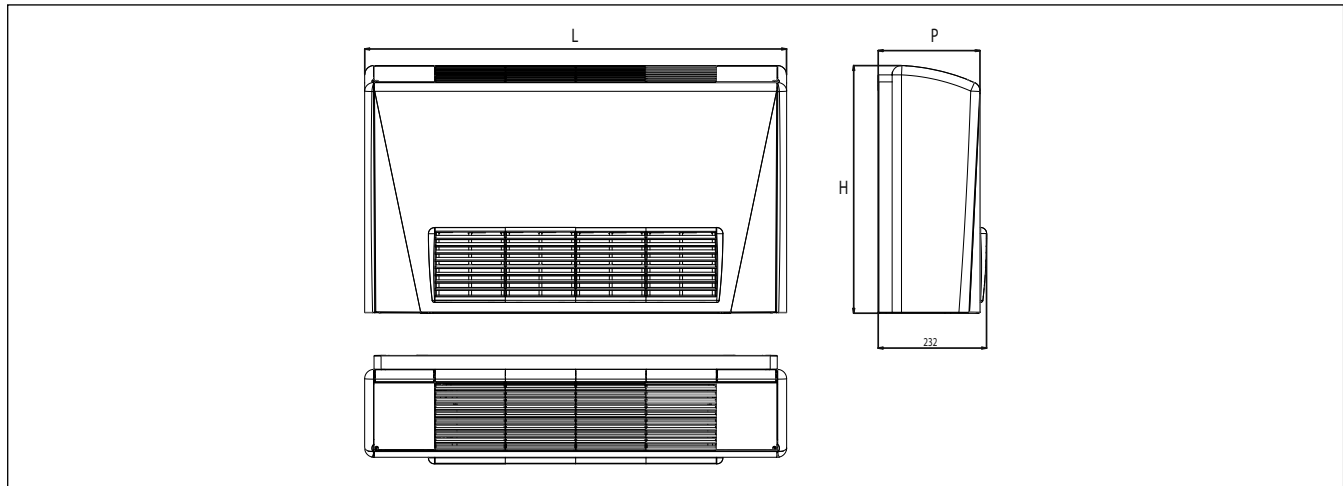
			10	20	30	40	50	60	70	80	90	100
			4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"	4° 3' 2"
Total cooling capacity	W	6	1510	2590	3300	4600	5760	6450	7430	8390	9890	11600
	W	5	1200	2330	2940	3650	4260	5370	6190	7610	9000	11300
	W	4	1020	1810	2490	3120	3520	4410	5330	6030	7930	10900
	W	3	881	1630	2250	2670	3070	3810	4640	5110	7120	10300
	W	2	721	1400	2000	2320	2390	3250	3920	4330	6300	9420
	W	1	586	1230	1530	2100	1890	2880	3590	3810	5710	8790
Sensible cooling capacity	W	6	1040	1770	2260	3140	3950	4400	5070	5790	6840	8090
	W	5	8200	1580	1990	2460	2870	3620	4180	5210	6170	7860
	W	4	685	1210	1670	2090	2350	2950	3570	4070	5380	7520
	W	3	590	1090	1500	1770	2040	2530	3090	3410	4800	7090
	W	2	479	931	1330	1530	1580	2140	2590	2880	4220	6430
	W	1	387	810	1010	1380	1240	1900	2370	2520	3810	5970

evaporation temperature 5°C
 condensation temperature 45°C
 undercooling 5°C

overheating 5°C
 air temperature 27°C
 relative humidity 47%

TECHNICAL DATA

FAN COIL GENERAL DIMENSIONS FOR 2/4 PIPE SYSTEM



2 PIPE SYSTEM		MOD.	10	20	30	40	50	60	70	80	90	100
	Fans number	n°	1	1	1	2	2	2	2	3	4	4
	Coils numbers	n°	1	1	1	1	1	1	1	1	1	1
Coil used for cooling and heating	Rows number	n°	3	3	3	3	3	3	3	3	3	3
	Water content	litri	0,5	0,8	1,2	1,5	1,8	2,1	2,4	2,4	2,7	3,1
	Hydraulic connection (Ø Gas female)	Ø	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"
General features	Unit lenght with cabinet	L (mm)	600	750	900	1050	1200	1350	1500	1500	1650	1800
	Unit lenght without cabinet	M (mm)	380	530	680	830	980	1130	1280	1280	1430	1580

4 PIPE SYSTEM		MOD.	10	20	30	40	50	60	70	80	90	100
	Fans number	n°	1	1	1	2	2	2	2	3	4	4
	Coils numbers	n°	2	2	2	2	2	2	2	2	2	2
Coil used for cooling	Rows number	n°	3	3	3	3	3	3	3	3	3	3
	Water content	litri	0,5	0,8	1,2	1,5	1,8	2,1	2,4	2,4	2,7	3,1
	Hydraulic connection (Ø Gas female)	Ø	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"
Coil used for heating	N. rows	n°	1	1	1	1	1	1	1	1	1	1
	Water content	litri	0,1	0,2	0,3	0,4	0,5	0,6	0,6	0,6	0,7	0,8
	Hydraulic connection (Ø Gas female)	Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
General features	Unit lenght with cabinet	L (mm)	600	750	900	1050	1200	1350	1500	1500	1650	1800
	Unit lenght without cabinet	M (mm)	380	530	680	830	980	1130	1280	1280	1430	1580

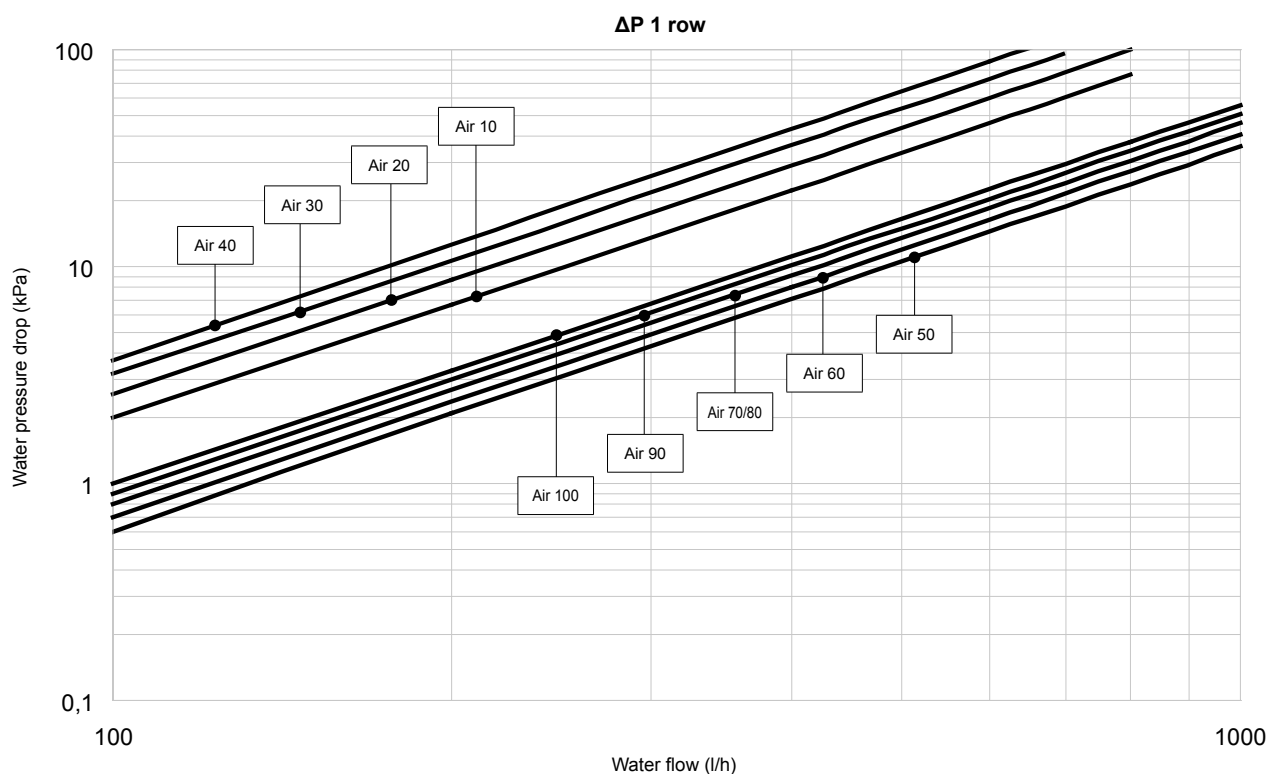
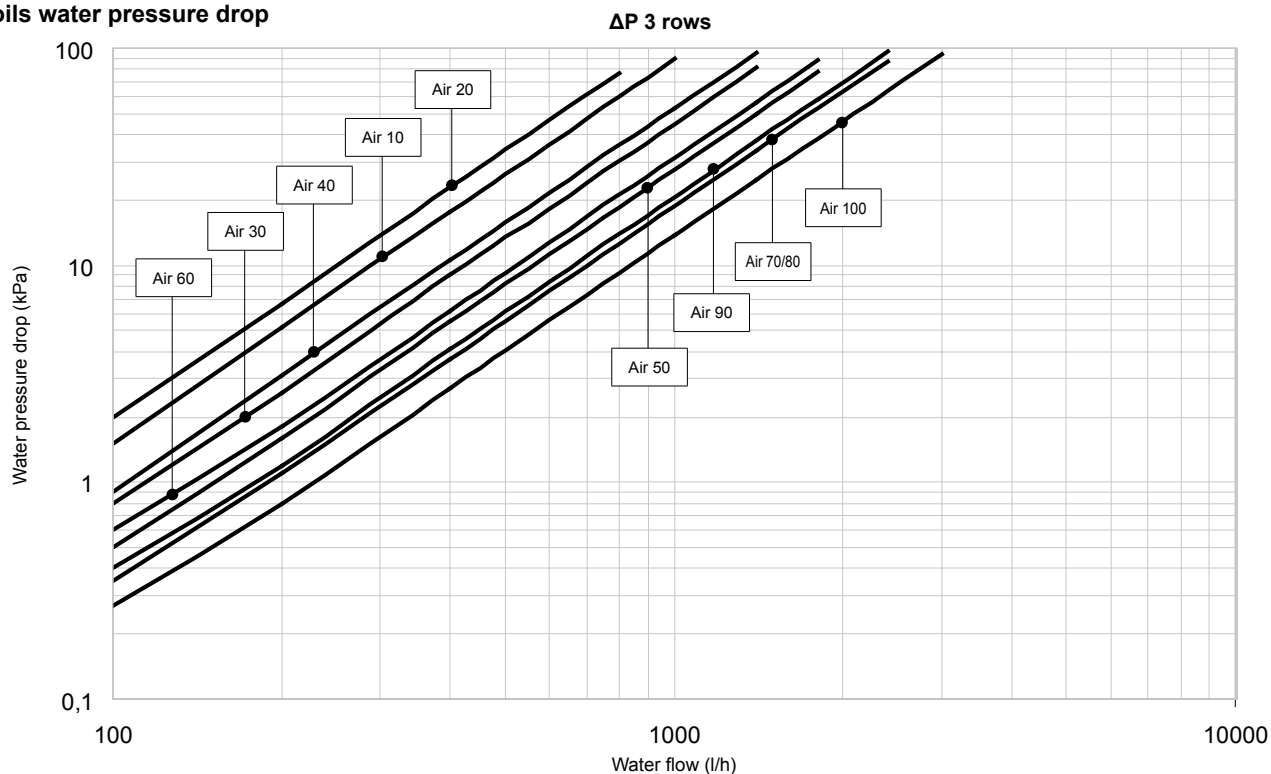
2 PIPE SYSTEM		MOD.	10	20	30	40	50	60	70	80	90	100
	Fans number	n°	1	1	1	2	2	2	2	3	4	4
	Coils numbers	n°	1	1	1	1	1	1	1	1	1	1
Coil used for cooling and heating	Rows number	n°	4	4	4	4	4	4	4	4	4	4
	Water content	litri	0,7	1,1	1,6	2,0	2,4	2,8	3,2	3,2	3,7	4,1
	Hydraulic connection (Ø Gas female)	Ø	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
General features	Unit lenght with cabinet	L (mm)	600	750	900	1050	1200	1350	1500	1500	1650	1800
	Unit lenght without cabinet	M (mm)	380	530	680	830	980	1130	1280	1280	1430	1580

TECHNICAL DATA

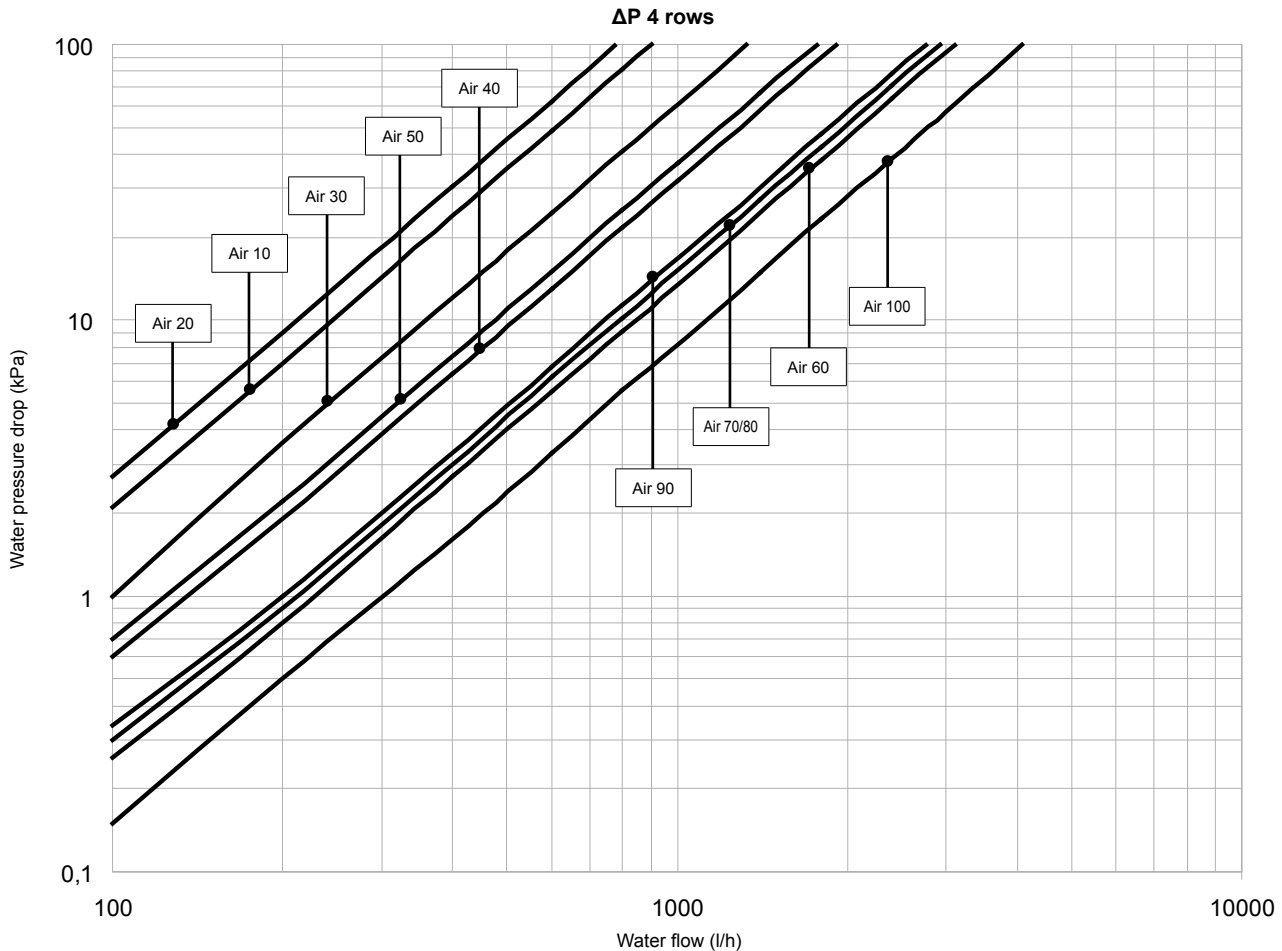
WORK LIMITS

SUMMER (COOLING)		WINTER (HEATING)	
Minimum inlet water temperature	+4°C	Maximum inlet water temperature	+80°C
Maximum operating pressure	8 bar	Maximum operating pressure	8 bar
Maximum room air temperature	+35°C	Minimum room air temperature	+4°C
Maximum room air humidity	80%	Maximum room air humidity	80%
		Maximum room air temperature	+35°C

Coils water pressure drop



TECHNICAL DATA

**3 way valves**

When the machine is used for conditioning and in order to avoid condensation on the outside of the unit (on structure and cabinet), it is mandatory to use a 2-way or 3-way valve or to arrange a regulating system to block the chilled water flow inside the coil when the fan is not active.

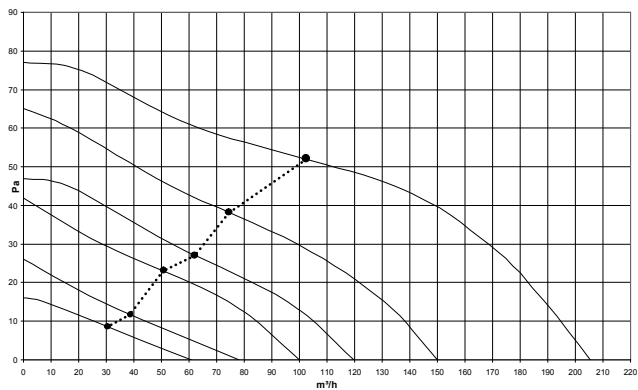
Maximum fans static pression

When the fan coil unit is connected to an air intake and/or distribution channel, the head losses in pipes cause a decrease in the air flow rate of fans. If the head losses are too high, the fan coil unit air flow rate is then too low and the electric motor connected to the fans may be seriously damaged. Therefore it is recommended to operate the fan coil unit only with static pressure values lower than the maximum ones indicated by the graphs. The graphs below indicate the maximum applicable static pressure values for our fan coil units at different operating speeds. NOTE: when the fan coil units operate at the indicated static pressure limit value, the air flow rate is halved compared to the one supplied by the open outlet machine at the same operating speed. Ultimately, the static pressure limit value corresponds to the back pressure able to halve the fan coil unit air flow rate (as a consequence, the whole performance of the machine will be reduced by approx. 50%: cooling capacity, thermal capacity, etc.)

TECHNICAL DATA

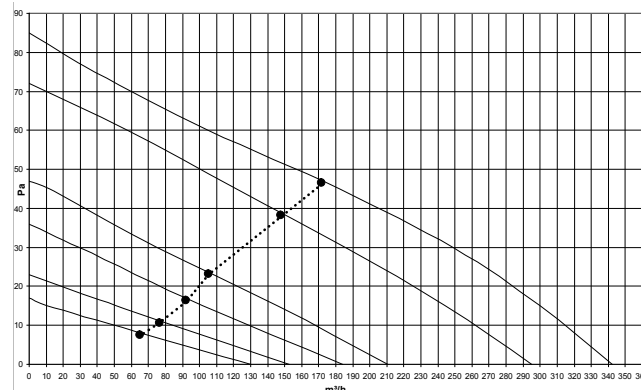
AEREAULIC PERFORMANCE (2 PIPE SYSTEM)

Air 10 - 2 PIPE SYSTEM (3 rows coil data)



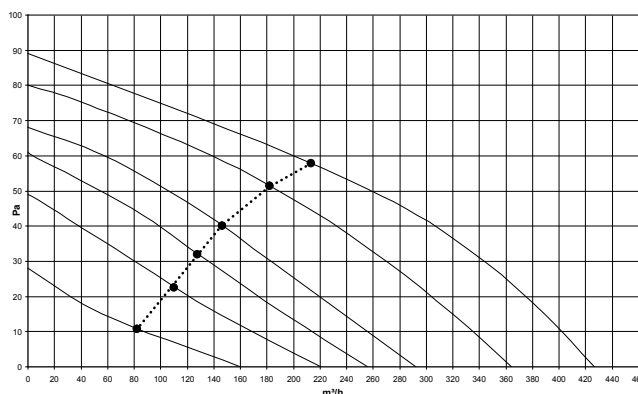
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 20 - 2 PIPE SYSTEM (3 rows coil data)



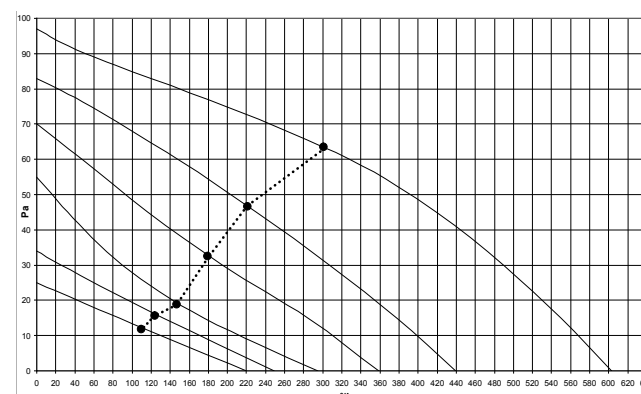
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 30 - 2 PIPE SYSTEM (3 rows coil data)



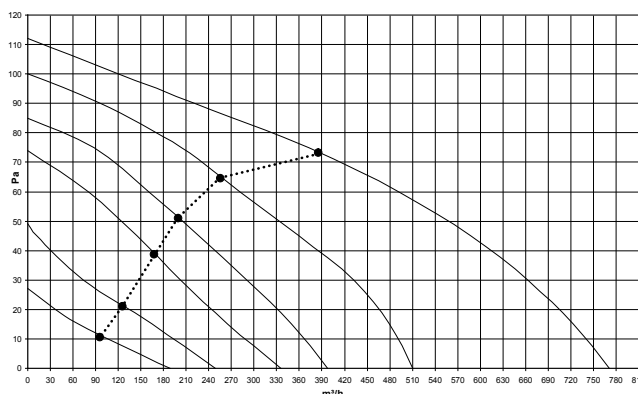
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 40 - 2 PIPE SYSTEM (3 rows coil data)



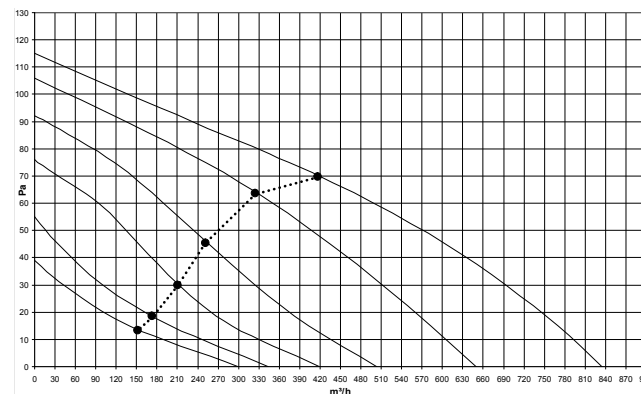
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 50 - 2 PIPE SYSTEM (3 rows coil data)



IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 60 - 2 PIPE SYSTEM (3 rows coil data)

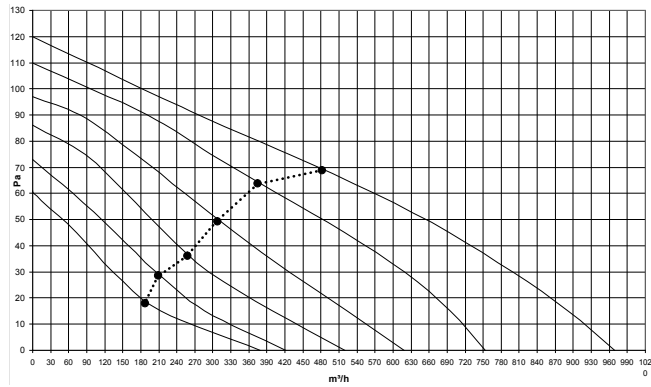


IT IS UNADVISED to use the unit at static pressure values above the dotted line

TECHNICAL DATA

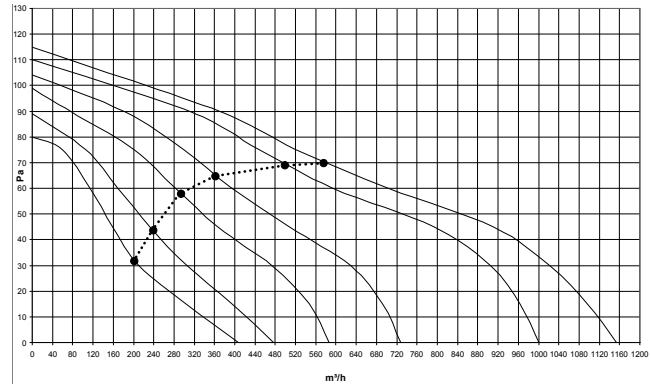
AEREAULIC PERFORMANCE (2 PIPE SYSTEM)

Air 70 - 2 PIPE SYSTEM
(3 rows coil data)



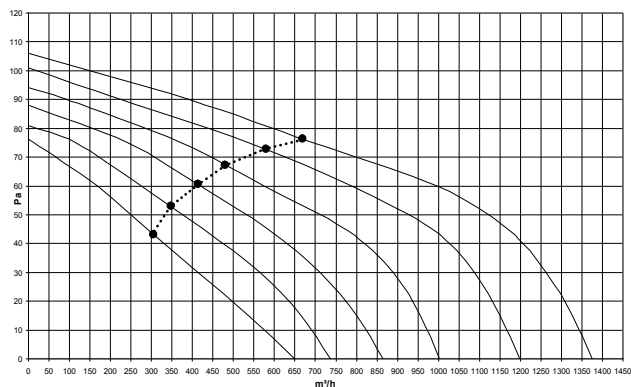
IT IS UNADVISED to use the data at static pressure values along the dotted line

Air 80 - 2 PIPE SYSTEM
(3 rows coil data)



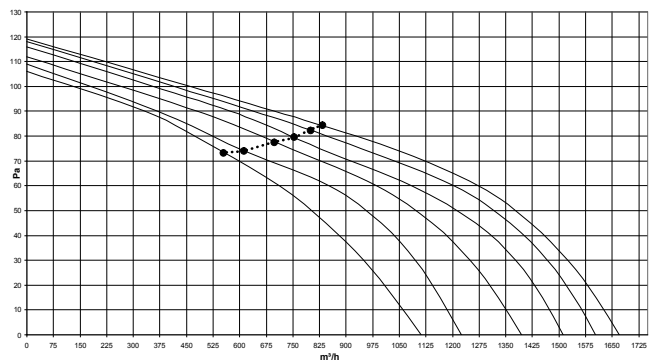
IT IS UNADVISED to use the data at static pressure values along the dotted line

Air 90 - 2 PIPE SYSTEM
(3 rows coil data)



IT IS UNADVISED to use the data at static pressure values along the dotted line

Air 100 - 2 PIPE SYSTEM
(3 rows coil data)

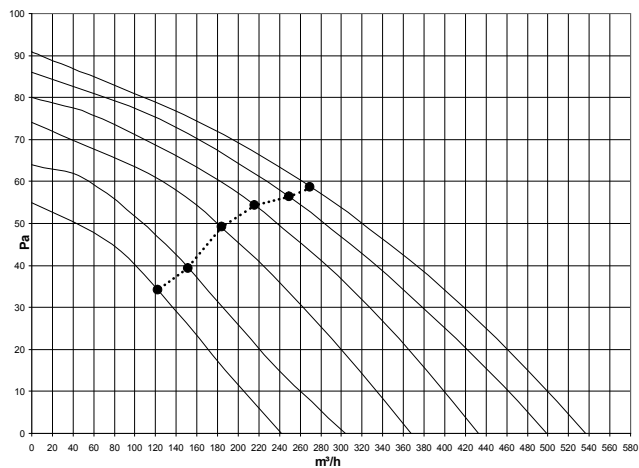


IT IS UNADVISED to use the data at static pressure values along the dotted line

TECHNICAL DATA

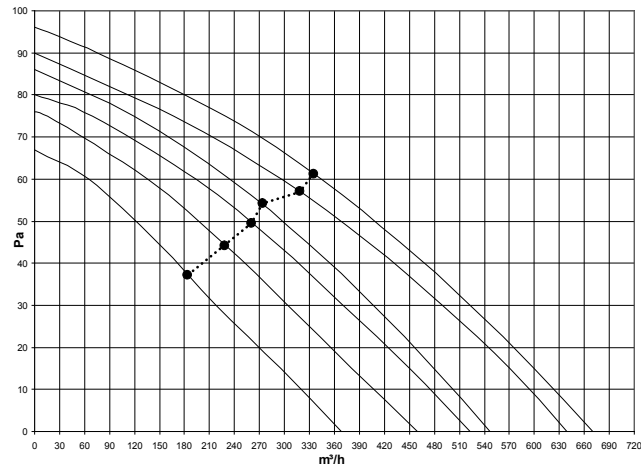
AEREAULIC PERFORMANCE (2 PIPE SYSTEM - HIGH PRESSURE MOTOR)

Air 20 - 2 PIPE SYSTEM
(high pressure motor data)



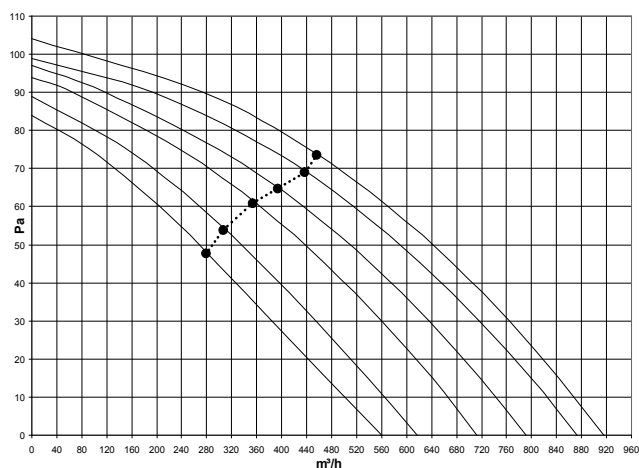
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 30 - 2 PIPE SYSTEM
(high pressure motor data)



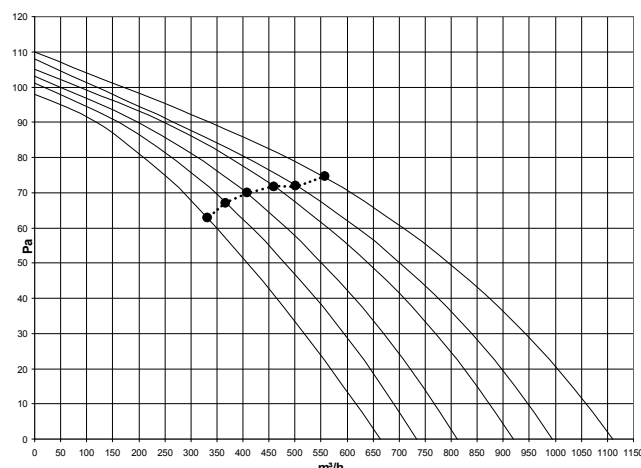
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 40 - 2 PIPE SYSTEM
(high pressure motor data)



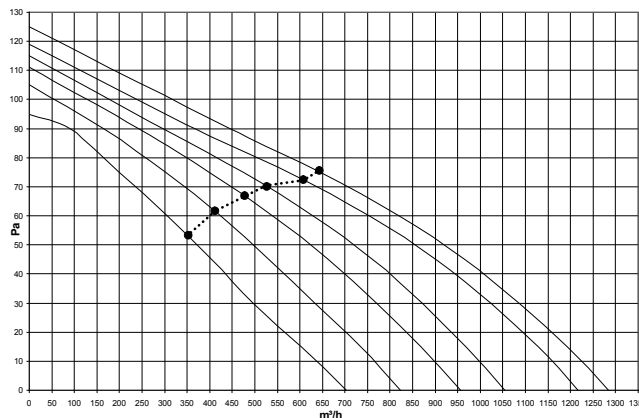
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 50 - 2 PIPE SYSTEM
(high pressure motor data)



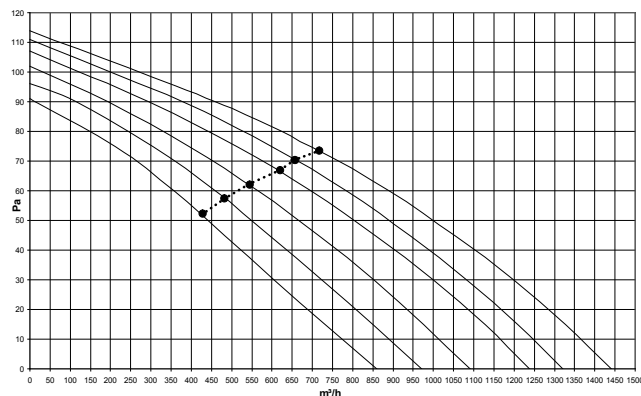
IT IS UNADVISED to use the unit at static pressure values above the dotted line

Air 60 - 2 PIPE SYSTEM
(high pressure motor data)



IT IS UNADVISED to use the unit at static pressure values above the dotted line

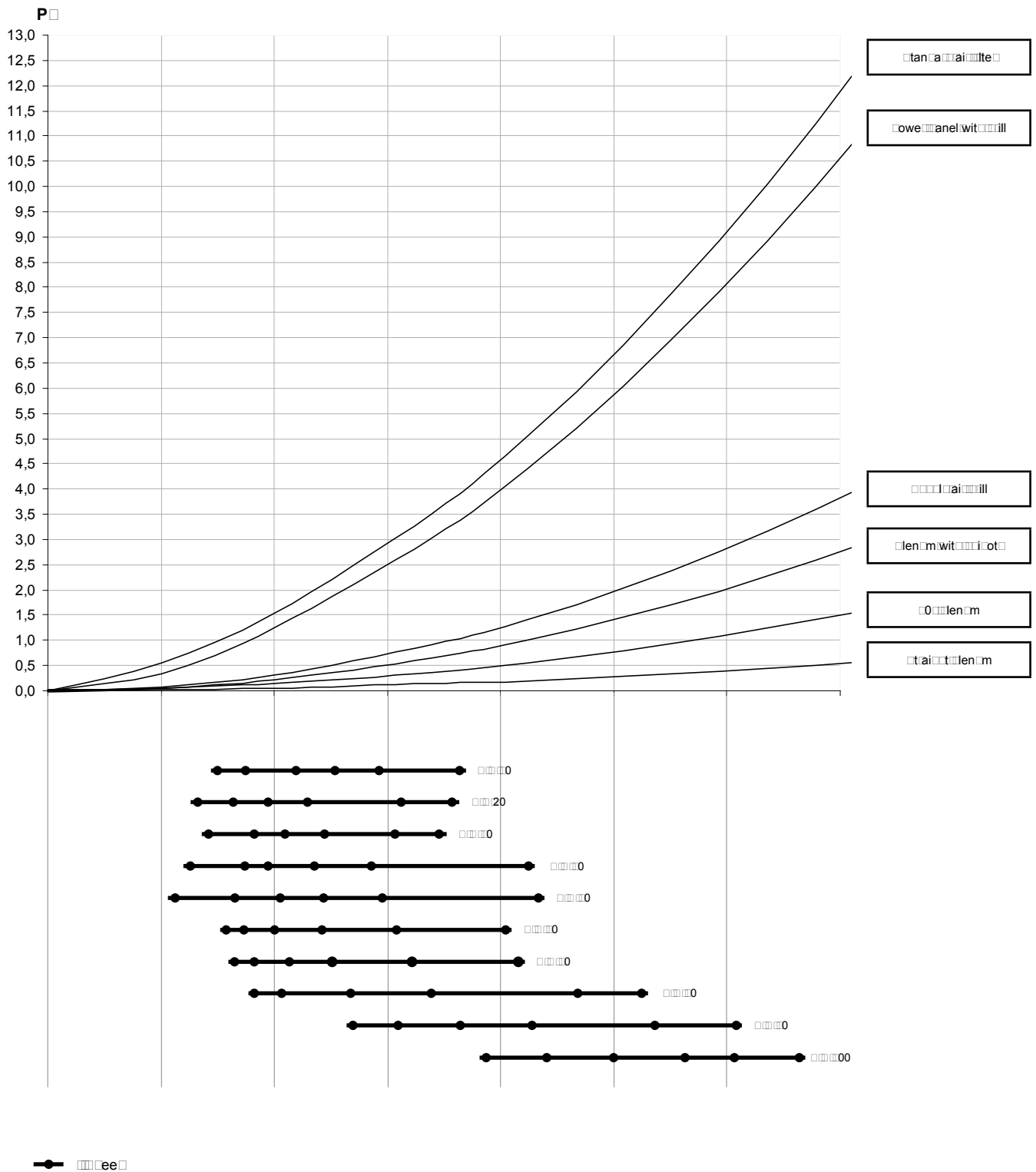
Air 70 - 2 PIPE SYSTEM
(high pressure motor data)



IT IS UNADVISED to use the unit at static pressure values above the dotted line

TECHNICAL DATA

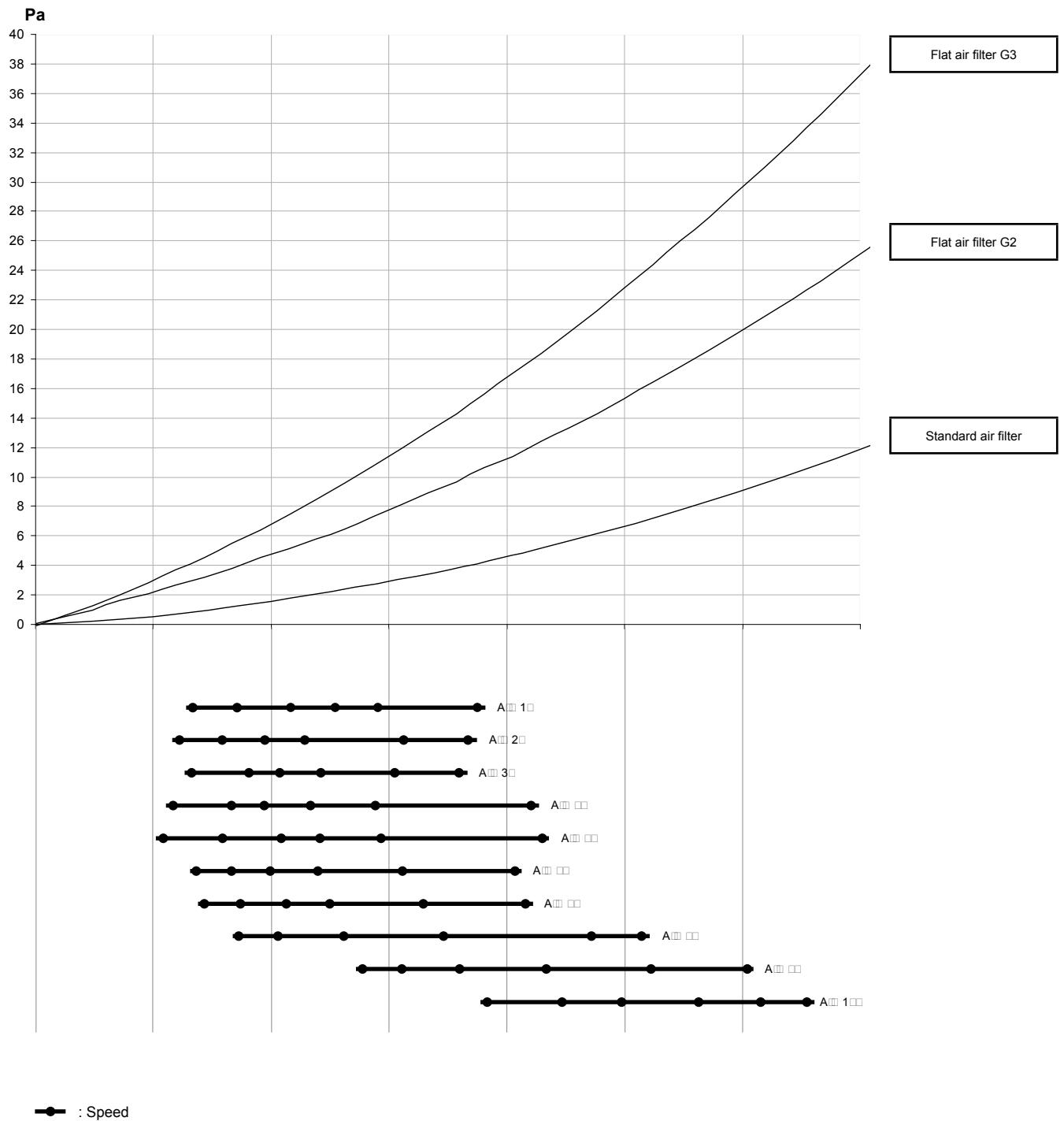
MAIN ACCESSORIES AIR PRESSURE DROP



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TECHNICAL DATA

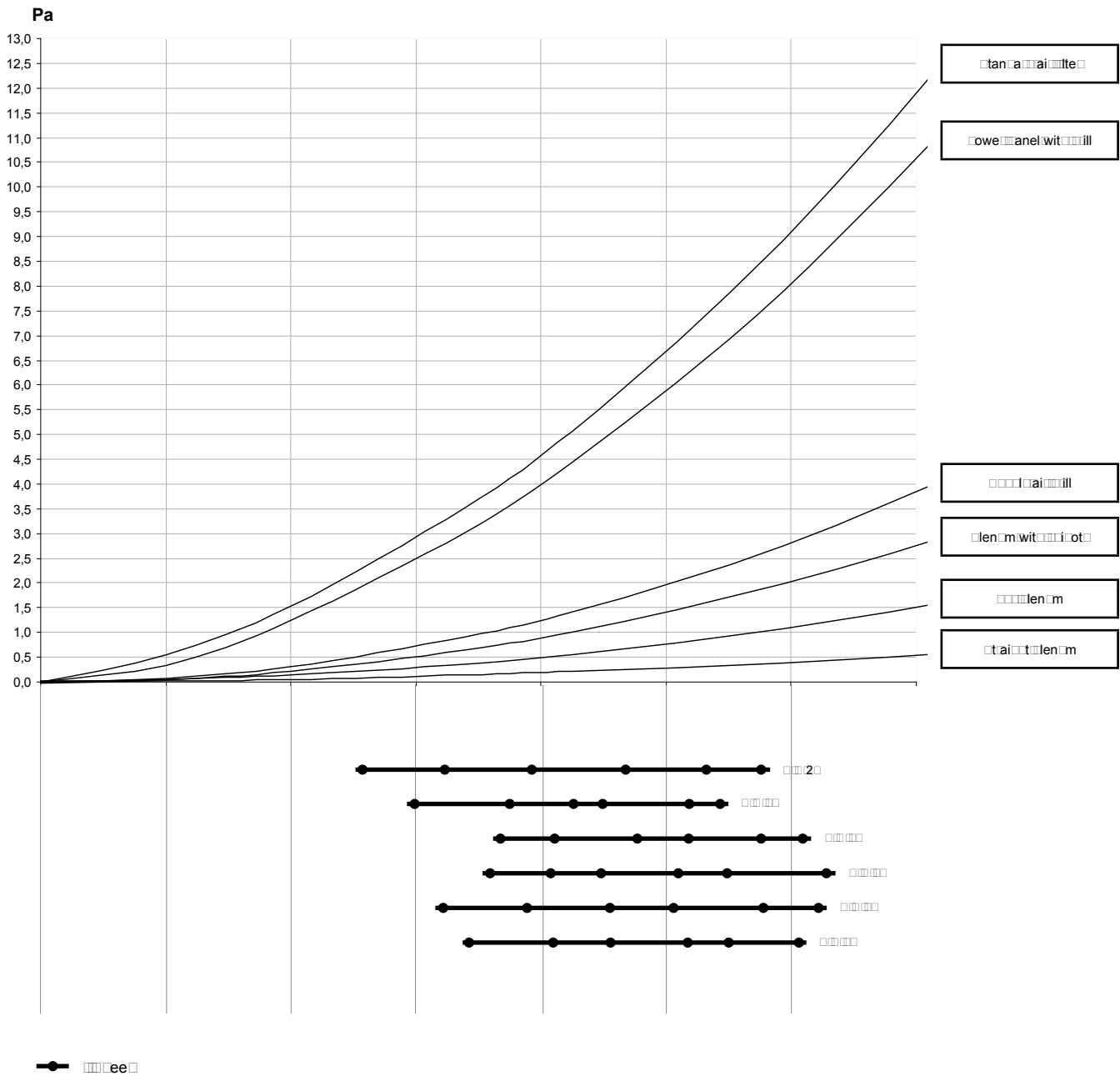
MAIN ACCESSORIES AIR PRESSURE DROP



Available fan speed diagram with:
 - pressure drop values (Pa) in ordinate;
 - crossing speed (m/s) in abscissa.

TECHNICAL DATA

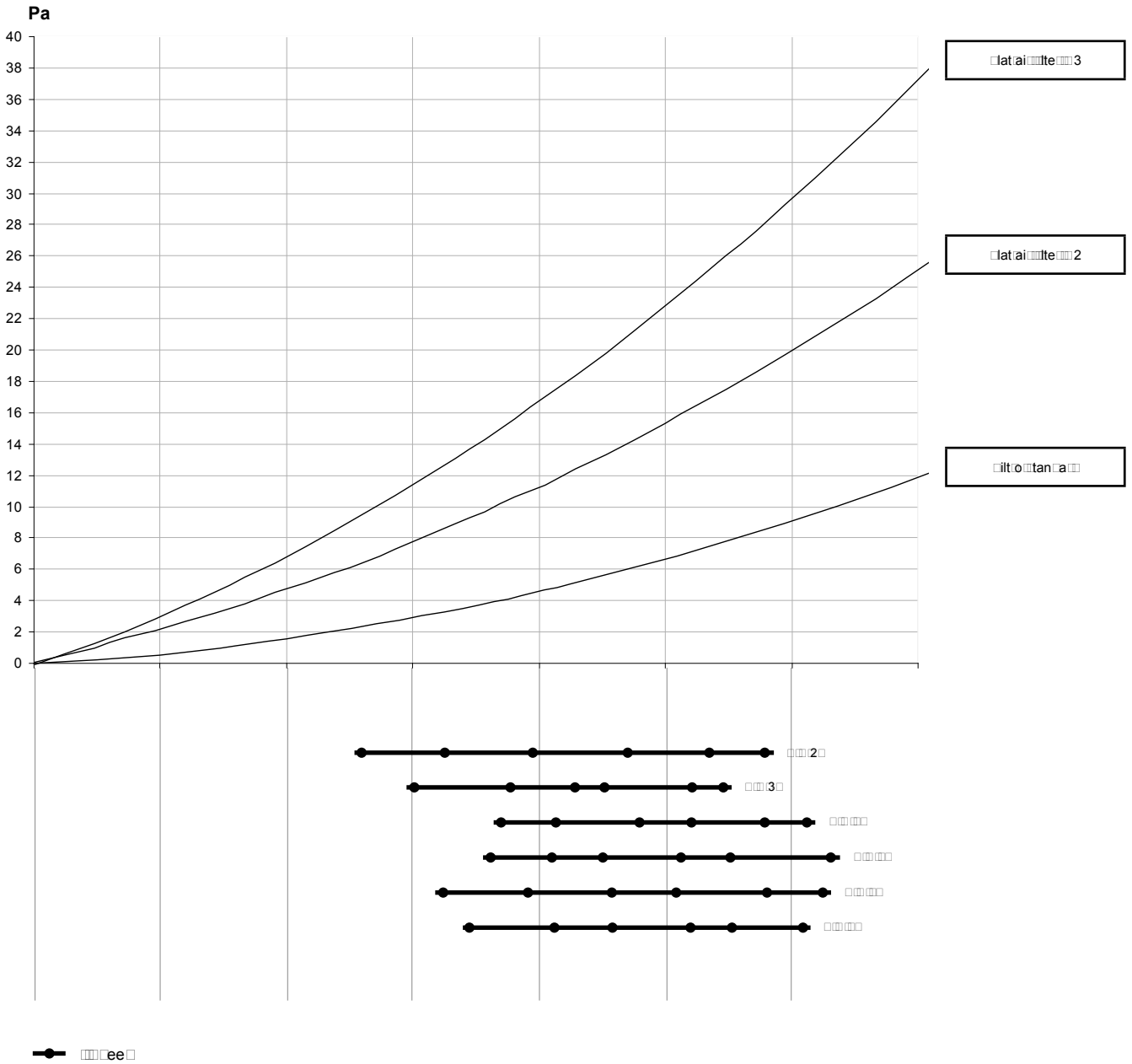
MAIN ACCESSORIES AIR PRESSURE DROP (high pressure motors)



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TECHNICAL DATA

MAIN ACCESSORIES AIR PRESSURE DROP (high pressure motors)



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 c o in ee m in a ci a.

TECHNICAL DATA

SOUND POWER SPECTRUM (2 PIPES)

Model	Speed	Standard electric wiring	Frequency spectrum - ref. octave band (Hz)							Total sound power [db(A)]
			125	250	500	1.000	2.000	4.000	8.000	
Air 10	6		43,0	48,0	45,5	43,8	39,0	33,0	24,0	48,0
	5		36,0	42,0	39,0	36,0	31,0	25,0	19,0	40,9
	4	Max	32,0	37,0	33,5	30,8	28,0	20,0	18,0	36,0
	3	Med	27,0	32,0	29,0	27,0	24,0	19,0	17,0	32,0
	2	Min	18,0	23,0	23,8	21,5	17,8	12,0	13,0	26,0
	1		13,0	14,0	17,0	16,5	14,5	9,0	11,0	21,1
Air 20	6		48,0	51,0	50,0	45,0	42,0	37,0	30,0	51,0
	5		44,0	48,0	46,0	41,0	37,5	32,0	25,0	47,0
	4	Max	37,0	42,0	39,3	33,0	30,0	22,0	19,7	40,0
	3	Med	33,0	38,0	35,5	28,5	26,0	19,0	18,0	36,0
	2	Min	27,0	33,0	28,8	19,6	21,0	15,0	18,0	30,0
	1		24,4	31,0	27,0	16,0	19,0	14,0	17,0	28,0
Air 30	6		47,0	51,0	49,5	45,5	42,7	36,0	30,0	51,0
	5		44,0	47,0	45,8	41,8	38,0	30,0	24,0	47,0
	4	Max	40,0	44,0	41,7	38,0	33,0	24,0	19,0	43,0
	3	Med	37,0	41,0	38,0	33,0	28,0	19,0	18,0	39,0
	2	Min	34,6	38,5	35,4	29,9	23,9	15,9	18,4	36,1
	1		30,1	32,5	27,7	20,6	17,7	13,1	18,2	29,1
Air 40	6		50,0	52,0	49,0	48,0	47,0	38,0	30,0	53,0
	5		44,0	45,5	44,0	40,0	34,0	27,0	22,0	45,0
	4	Max	39,0	42,0	39,3	34,4	27,0	20,0	20,0	40,0
	3	Med	34,0	38,0	34,0	28,5	21,0	18,0	19,0	35,0
	2	Min	30,0	34,0	30,5	23,0	17,0	16,0	18,0	31,0
	1		25,0	27,6	22,8	14,8	13,0	14,0	18,0	25,0
Air 50	6		51,0	54,0	51,0	50,0	45,0	39,0	31,0	54,0
	5		44,0	47,0	43,8	42,0	35,0	28,0	21,0	46,0
	4	Max	38,0	43,0	39,0	34,0	27,0	19,0	16,0	40,0
	3	Med	35,0	39,0	34,0	31,5	21,0	15,0	14,0	36,0
	2	Min	29,0	34,0	28,0	24,0	13,0	14,0	16,0	30,0
	1		24,0	29,0	21,0	18,0	11,0	13,0	17,0	25,0
Air 60	6		50,0	53,0	51,0	47,0	48,8	39,0	33,0	54,0
	5		46,0	50,0	47,0	44,0	40,0	32,0	25,0	49,0
	4	Max	41,0	45,0	42,0	37,0	31,8	24,0	23,0	43,0
	3	Med	36,0	43,0	36,3	28,9	24,5	21,0	23,0	38,0
	2	Min	33,0	37,0	31,0	23,0	20,0	20,0	24,0	33,0
	1		29,6	34,0	26,0	17,0	17,0	20,0	24,0	30,0

TECHNICAL DATA

SOUND POWER SPECTRUM (2 PIPES)

Model	Speed	Standard electric wiring	Frequency spectrum - ref. octave band (Hz)							Total sound power [db(A)]
			125	250	500	1.000	2.000	4.000	8.000	
Air 70	6		51,0	55,0	53,0	52,0	51,0	43,0	37,0	57,0
	5		48,0	51,0	48,0	48,0	45,0	36,0	30,0	52,0
	4	Max	42,0	46,0	44,0	42,0	36,0	28,0	23,0	46,0
	3	Med	38,0	42,0	39,0	37,0	29,0	22,0	21,0	41,0
	2	Min	35,0	39,0	36,0	31,6	24,0	19,0	21,0	37,0
	1		32,0	37,0	33,0	27,0	20,0	19,0	21,0	34,0
Air 80	6		60,0	61,0	59,0	57,0	55,0	48,0	42,0	62,0
	5		56,0	58,0	56,0	53,0	53,0	45,0	39,0	59,0
	4	Max	47,0	50,0	48,0	45,5	45,0	34,0	26,0	51,0
	3	Med	44,0	46,0	43,0	41,0	33,0	26,0	21,0	45,0
	2	Min	39,0	42,0	39,0	35,0	26,0	20,0	20,0	40,0
	1		38,0	41,0	37,0	32,0	23,0	21,0	20,0	38,0
Air 90	6		59,0	61,0	59,0	57,0	55,0	48,0	42,0	62,0
	5		58,0	58,0	57,0	54,0	51,0	44,0	36,0	59,0
	4	Max	53,0	55,0	53,0	51,0	45,0	36,0	30,0	55,0
	3	Med	49,0	52,0	50,0	46,0	40,0	32,0	26,0	51,0
	2	Min	47,0	48,0	46,0	42,0	35,0	26,0	26,0	47,0
	1		42,0	45,0	42,0	37,7	29,5	24,0	25,0	43,0
Air 100	6		64,0	64,0	63,0	60,0	56,0	53,0	47,0	65,0
	5		60,0	63,0	62,0	58,7	56,0	51,0	45,0	64,0
	4	Max	59,0	61,0	60,0	57,0	54,0	48,0	42,0	62,0
	3	Med	57,0	59,0	58,0	55,0	52,0	46,0	39,0	60,0
	2	Min	54,0	57,5	55,0	52,0	48,0	42,0	33,0	57,0
	1		53,0	55,0	53,5	50,0	46,0	39,0	30,0	55,0

TECHNICAL DATA

SOUND POWER SPECTRUM (4 PIPES)

Model	Speed	Standard electric wiring	Frequency spectrum - ref. octave band (Hz)							Total sound power [db(A)]
			125	250	500	1.000	2.000	4.000	8.000	
Air 10	6		43,0	48,0	45,5	43,8	39,0	33,0	24,0	48,0
	5		36,0	42,0	39,0	36,5	31,0	25,0	19,0	41,0
	4	Max	32,0	37,0	33,5	30,8	28,0	20,0	18,0	36,0
	3	Med	27,0	32,0	29,0	27,0	24,0	19,0	17,0	32,0
	2	Min	18,0	23,0	23,8	21,5	17,8	12,0	13,0	26,0
	1		13,0	13,0	15,5	15,0	14,0	8,0	11,0	20,1
Air 20	6		48,0	51,0	50,0	45,0	42,0	37,0	30,0	51,0
	5		44,0	48,0	46,0	41,0	37,5	32,0	25,0	47,0
	4	Max	37,0	42,0	39,3	33,0	30,0	22,0	19,7	40,0
	3	Med	33,0	38,0	35,5	28,5	26,0	19,0	18,0	36,0
	2	Min	27,0	33,0	28,8	19,6	21,0	15,0	18,0	30,0
	1		24,4	31,0	27,0	16,0	19,0	14,0	17,0	28,0
Air 30	6		47,0	51,0	51,0	46,8	43,0	36,0	30,0	52,0
	5		44,0	48,0	47,0	43,0	38,0	30,0	24,0	48,0
	4	Max	40,0	44,0	41,7	38,0	33,0	24,0	19,0	43,0
	3	Med	37,0	41,0	38,0	33,0	28,0	19,0	18,0	39,0
	2	Min	34,6	38,5	35,4	29,9	23,9	15,9	18,4	36,1
	1		30,1	32,5	27,7	20,6	17,7	13,1	18,2	29,1
Air 40	6		50,0	52,0	49,0	48,0	47,0	38,0	30,0	53,0
	5		44,0	45,5	44,0	40,0	34,0	27,0	22,0	45,0
	4	Max	39,0	42,0	39,3	34,4	27,0	20,0	20,0	40,0
	3	Med	34,0	38,0	34,0	28,5	21,0	18,0	19,0	35,0
	2	Min	30,0	34,0	31,7	25,0	18,0	16,0	18,0	32,0
	1		25,0	27,6	22,8	14,8	13,0	14,0	18,0	25,0
Air 50	6		51,0	54,0	51,0	50,0	45,0	39,0	31,0	54,0
	5		44,0	47,0	43,8	42,0	35,0	28,0	21,0	46,0
	4	Max	38,0	43,0	39,0	34,0	27,0	19,0	16,0	40,0
	3	Med	35,0	39,0	34,0	31,5	21,0	15,0	14,0	36,0
	2	Min	29,0	34,0	28,0	24,0	13,0	14,0	16,0	30,0
	1		24,0	29,0	21,0	18,0	11,0	13,0	17,0	25,0
Air 60	6		50,0	53,0	52,0	48,0	50,0	40,0	33,0	55,0
	5		46,0	50,0	47,0	44,0	40,0	32,0	25,0	49,0
	4	Max	41,0	45,0	42,0	37,0	31,8	24,0	23,0	43,0
	3	Med	36,0	43,0	36,3	28,9	24,5	21,0	23,0	38,0
	2	Min	33,0	37,0	31,0	23,0	20,0	20,0	24,0	33,0
	1		29,6	34,0	26,0	17,0	17,0	20,0	24,0	30,0

TECHNICAL DATA

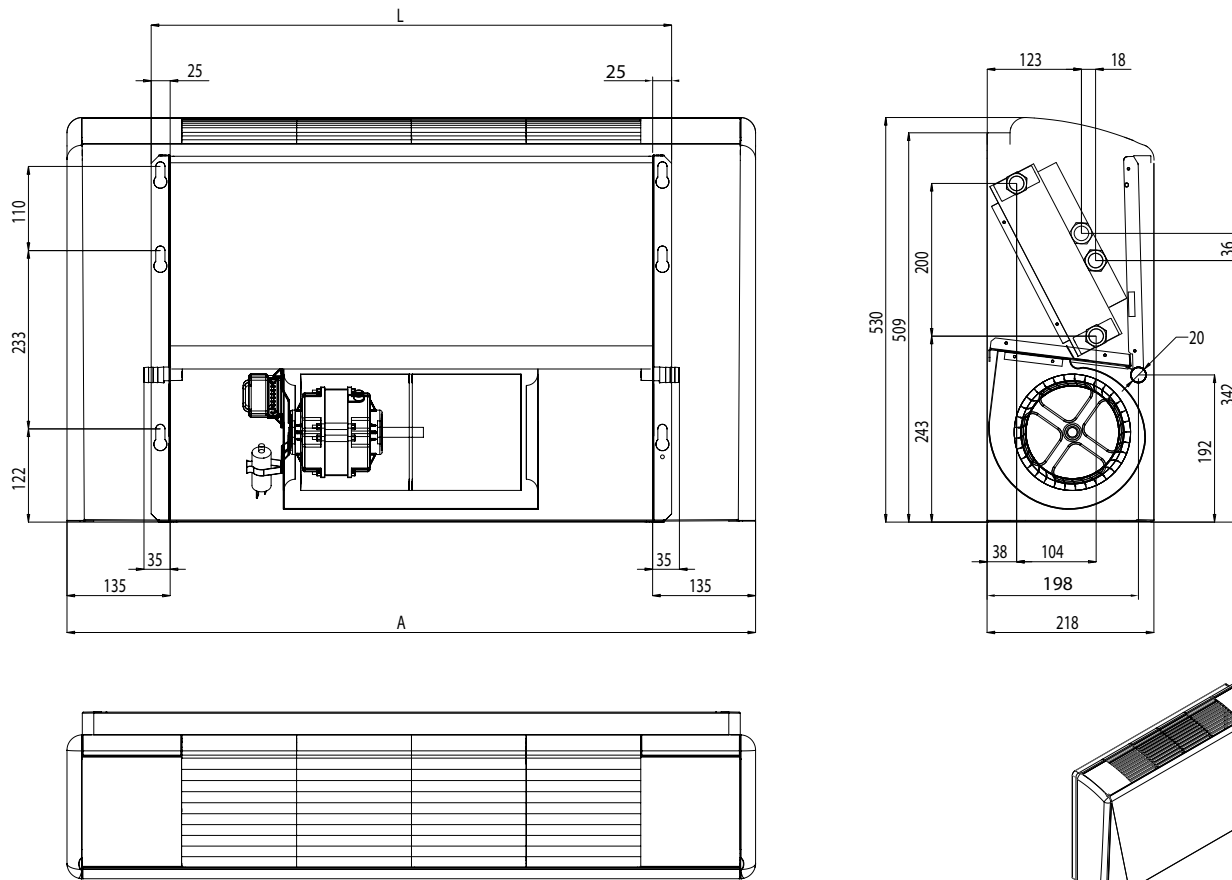
SOUND POWER SPECTRUM (4 PIPES)

Model	Speed	Standard electric wiring	Frequency spectrum - ref. octave band (Hz)							Total sound power [db(A)]
			125	250	500	1.000	2.000	4.000	8.000	
Air 70	6		51,0	55,0	53,0	52,0	51,0	43,0	37,0	57,0
	5		48,0	51,0	48,0	48,0	45,0	36,0	30,0	52,0
	4	Max	42,0	46,0	44,0	42,0	36,0	28,0	23,0	46,0
	3	Med	38,0	42,0	39,0	37,0	29,0	22,0	21,0	41,0
	2	Min	35,0	39,0	36,0	31,6	24,0	19,0	21,0	37,0
	1		32,0	37,0	33,0	27,0	20,0	19,0	21,0	34,0
Air 80	6		60,0	61,0	59,0	57,0	55,0	48,0	42,0	62,0
	5		56,0	58,0	56,0	53,0	53,0	45,0	39,0	59,0
	4	Max	47,0	50,0	48,0	45,5	45,0	34,0	26,0	51,0
	3	Med	44,0	46,0	43,0	41,0	33,0	26,0	21,0	45,0
	2	Min	39,0	42,0	39,0	35,0	26,0	20,0	20,0	40,0
	1		38,0	41,0	37,0	32,0	23,0	21,0	20,0	38,0
Air 90	6		59,0	61,0	59,0	57,0	55,0	48,0	42,0	62,0
	5		58,0	58,0	57,0	54,0	51,0	44,0	36,0	59,0
	4	Max	53,0	55,0	53,0	51,0	45,0	36,0	30,0	55,0
	3	Med	49,0	52,0	50,0	46,0	40,0	32,0	26,0	51,0
	2	Min	47,0	48,0	46,0	42,0	35,0	26,0	26,0	47,0
	1		42,0	45,0	42,0	37,7	29,5	24,0	25,0	43,0
Air 100	6		64,0	64,0	63,0	60,0	56,0	53,0	47,0	65,0
	5		60,0	63,0	62,0	58,7	56,0	51,0	45,0	64,0
	4	Max	59,0	61,0	60,0	57,0	54,0	48,0	42,0	62,0
	3	Med	57,0	59,0	58,0	55,0	52,0	46,0	39,0	60,0
	2	Min	54,0	57,5	55,0	52,0	48,0	42,0	33,0	57,0
	1		53,0	55,0	53,5	50,0	46,0	39,0	30,0	55,0

GENERAL DIMENSIONS

AIR M - Vertical and horizontal versions with cabinet (bottom air intake)

AIR M

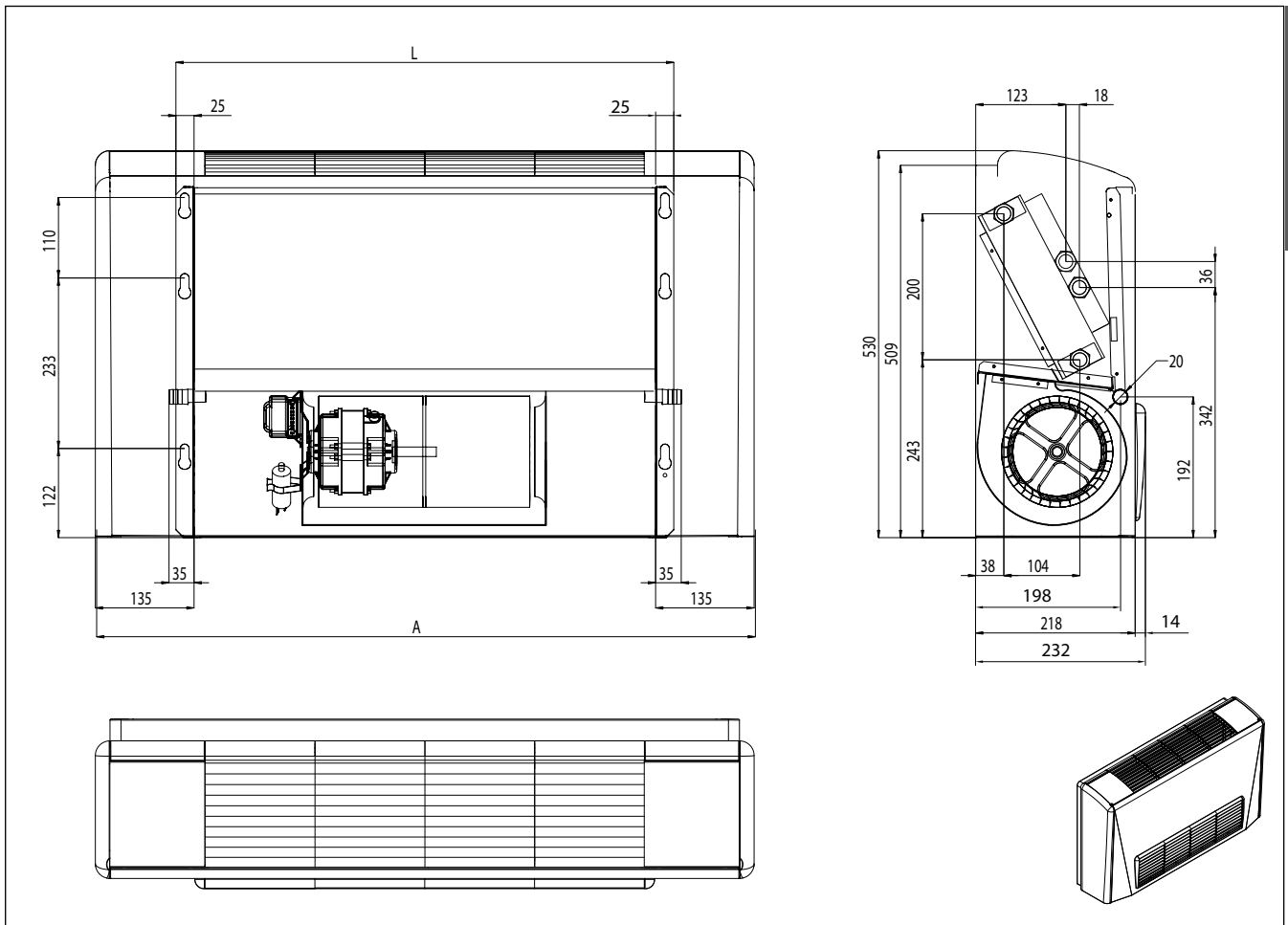


Picture: size 30

MOD.	CODE	Dimensions [mm]		Grills
		A	L	n°
10	A0015130010	600	380	2
20	A0015130020	750	530	3
30	A0015130030	900	680	4
40	A0015130040	1050	830	5
50	A0015130050	1200	980	6
60	A0015130060	1350	1130	7
70	A0015130070	1500	1280	8
80	A0015130080	1500	1280	8
90	A0015130090	1650	1430	9
100	A0015130100	1800	1580	10

GENERAL DIMENSIONS

AIR MF - Vertical and horizontal versions with cabinet (frontal air intake)

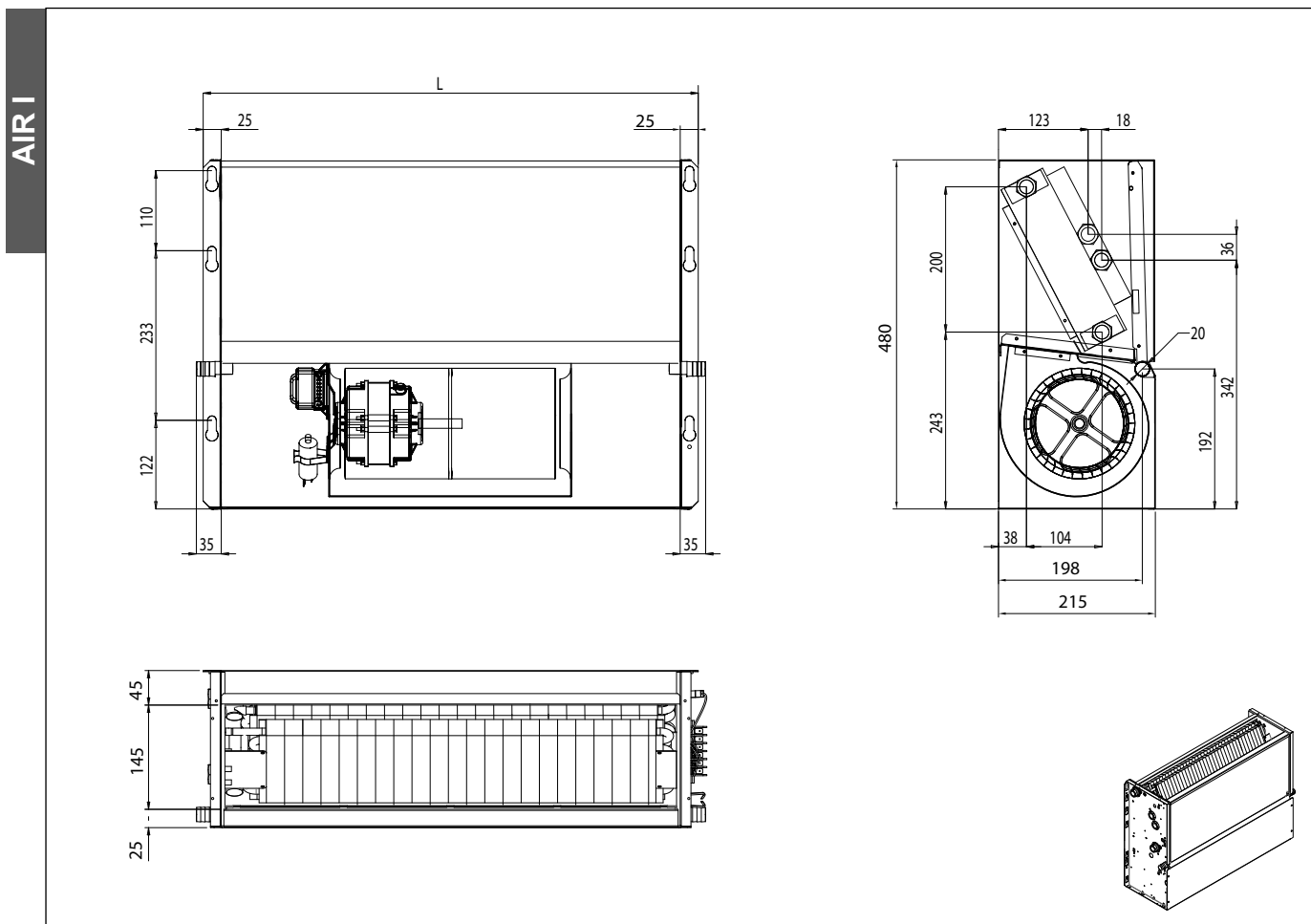


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MOD.	CODE	Dimensions [mm]		Grills
		A	L	n°
10	A0015130015	600	380	2
20	A0015130025	750	530	3
30	A0015130035	900	680	4
40	A0015130045	1050	830	5
50	A0015130055	1200	980	6
60	A0015130065	1350	1130	7
70	A0015130075	1500	1280	8
80	A0015130085	1500	1280	8
90	A0015130095	1650	1430	9
100	A0015130105	1800	1580	10

GENERAL DIMENSIONS

AIR I - Horizontal and vertical concealed versions (bottom air intake)

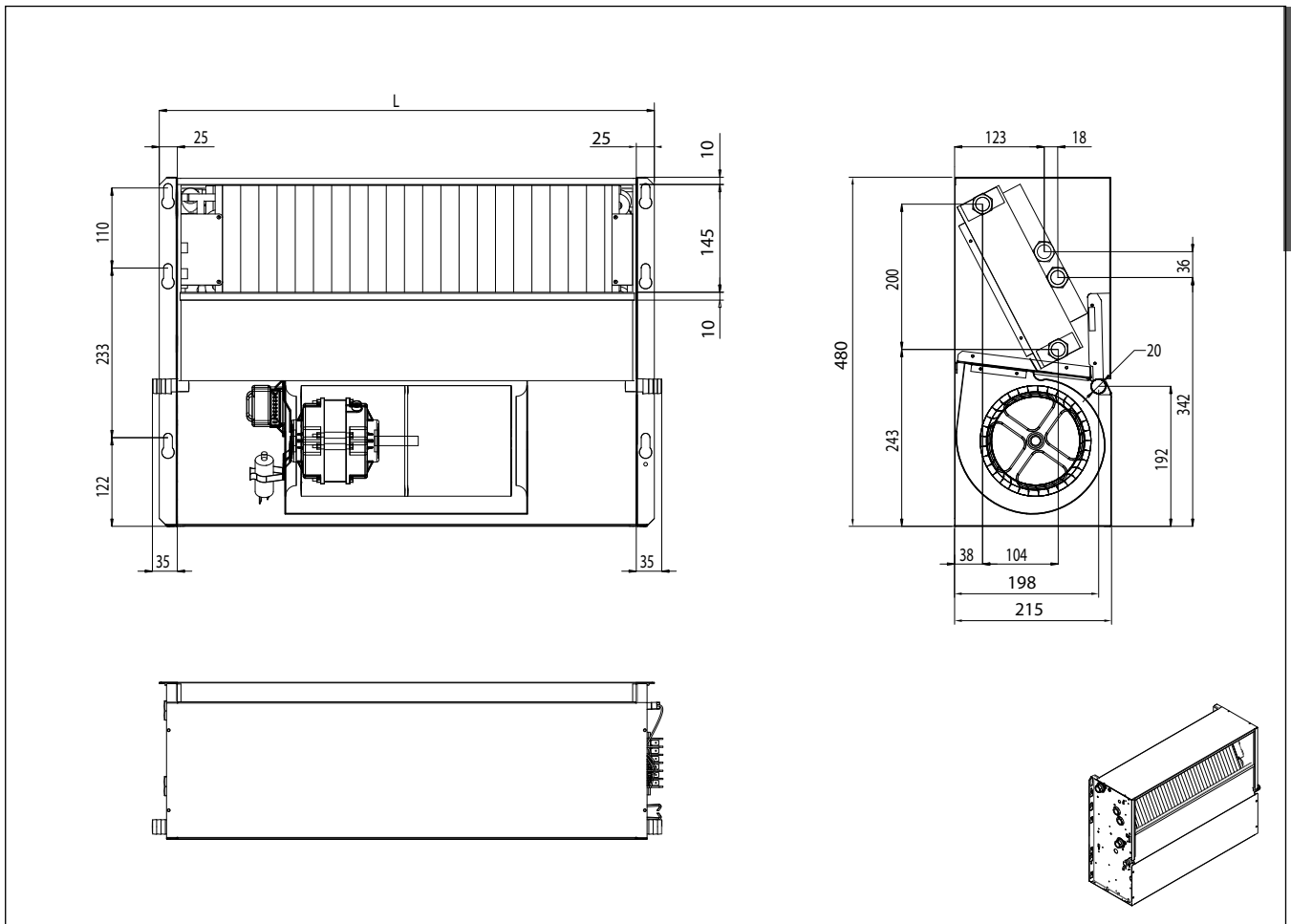


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MOD.	CODE	Dimensions [mm]	
		L	
10	A0015130012	380	
20	A0015130022	530	
30	A0015130032	680	
40	A0015130042	830	
50	A0015130052	980	
60	A0015130062	1130	
70	A0015130072	1280	
80	A0015130082	1280	
90	A0015130092	1430	
100	A0015130102	1580	

GENERAL DIMENSIONS

AIR IF - Horizontal concealed versions (frontal air supply)



Picture: size 30

Dimensions [mm]		
MOD.	CODE	L
10	A0015130017	380
20	A0015130027	530
30	A0015130037	680
40	A0015130047	830
50	A0015130057	980
60	A0015130067	1130
70	A0015130077	1280
80	A0015130087	1280
90	A0015130097	1430
100	A0015130107	1580

VALVES

2 WAY VALVE KIT

2-way valve kits are available.

The valve body is made of brass; the shutter is controlled by an ON/OFF type or modulating electrothermal actuator (230Vac/24Vac input).

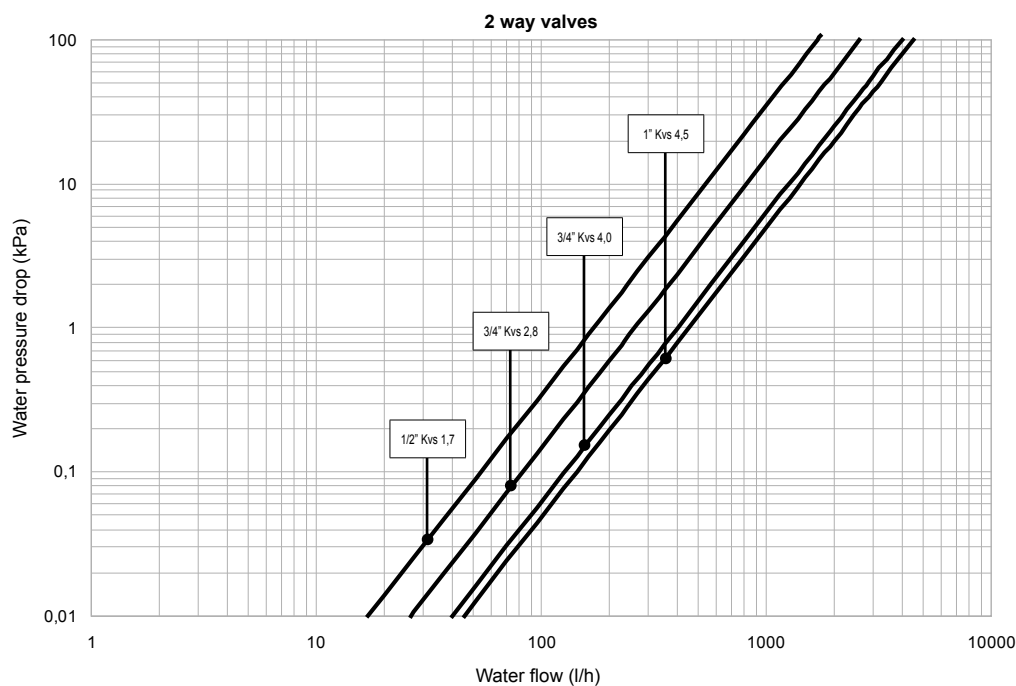
During functioning the electrothermal actuator is completely silent.

The kit is provided with valve body, electrothermal actuator, flared copper fittings, ring nuts and gaskets to fix it to the fan coil unit. The valve kit is already mounted onto the fan coil unit, complete with the water and electrical connections necessary to make the unit work. When placing the order, please specify the fan coil unit model and the coil (standard or auxiliary) the kit refers to.

Technical data:

Max. pressure	16 bar
Fluid min temperature	4 °C
Fluid max temperature	110 °C
Liquids allowed	Water with glycol < 50%
Shutter stroke	2.5 mm
Bypass leakage	< 0,02 % Kvs
Actuator attachment	Ghiera filettata M 30 x 1.5

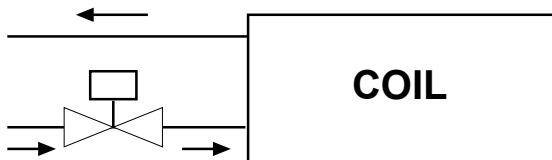
	AIR 10	AIR 20	AIR 30	AIR 40	AIR 50	AIR 60	AIR 70	AIR 80	AIR 90	AIR 100
Coil	3R	3R	3R	3R	3R	3R	3R	3R	3R	3R
Ø Valve fittings	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"
KVS	1,7	1,7	1,7	1,7	1,7	2,8	2,8	2,8	4,0	4,0
Coil	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R
Ø Valve fittings	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
KVS	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7
Coil	4R	4R	4R	4R	4R	4R	4R	4R	4R	4R
Ø Valve fittings	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
KVS	1,7	1,7	1,7	2,8	2,8	2,8	2,8	4,0	4,0	4,0



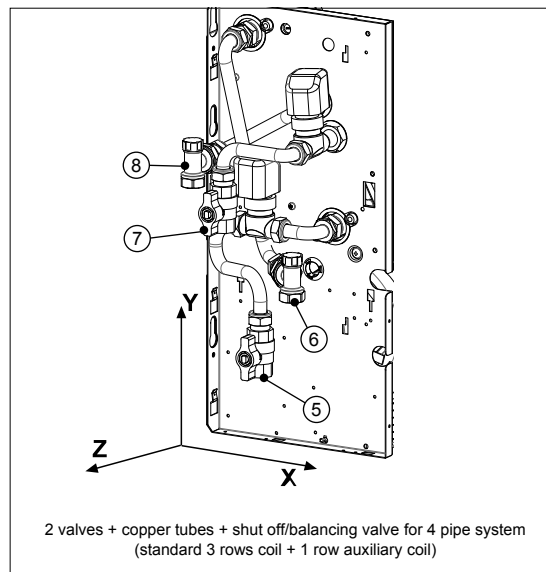
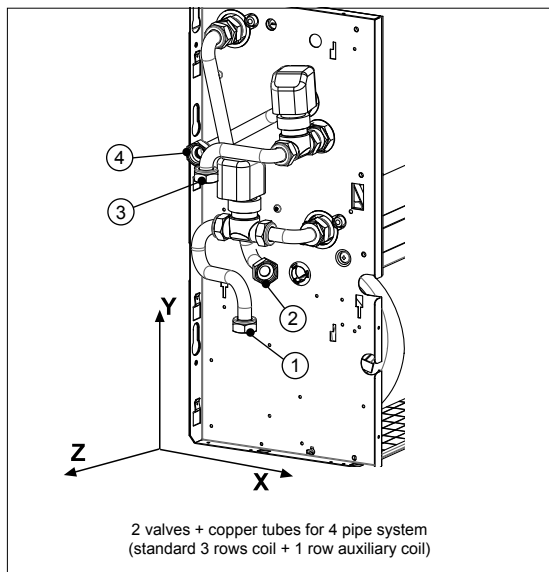
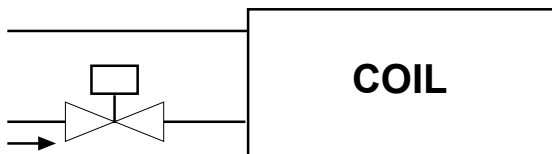
VALVES

2 WAY VALVE KIT

ON



OFF



		Air 10-50				Air 60-100			
Coil	Rif.	X	Y	Z	Ø pipe fittings	X	Y	Z	Ø pipe fittings
Standard	1	100	157	85	1/2" F	97	157	87	3/4" F
	2	98	202	40	1/2" F	92	202	46	3/4" F
Auxiliary	3	72	314	96	1/2" F	60	315	96	1/2" F
	4	18	315	35	1/2" F	18	315	35	1/2" F
Standard	5	100	92	85	1/2" F	97	102	87	3/4" F
	6	134	178	77	1/2" F	137	173	90	3/4" F
Auxiliary	7	72	250	96	1/2" F	60	250	96	1/2" F
	8	18	291	88	1/2" F	18	292	88	1/2" F

Copper fittings for valve are different between right and left installation.

When ordering, please specify the position of the hydraulic connections.

If hydraulic connections have to be modified on site, it's necessary to order the correct installation kit.

F = female gas fittings

M = male gas fittings

VALVES

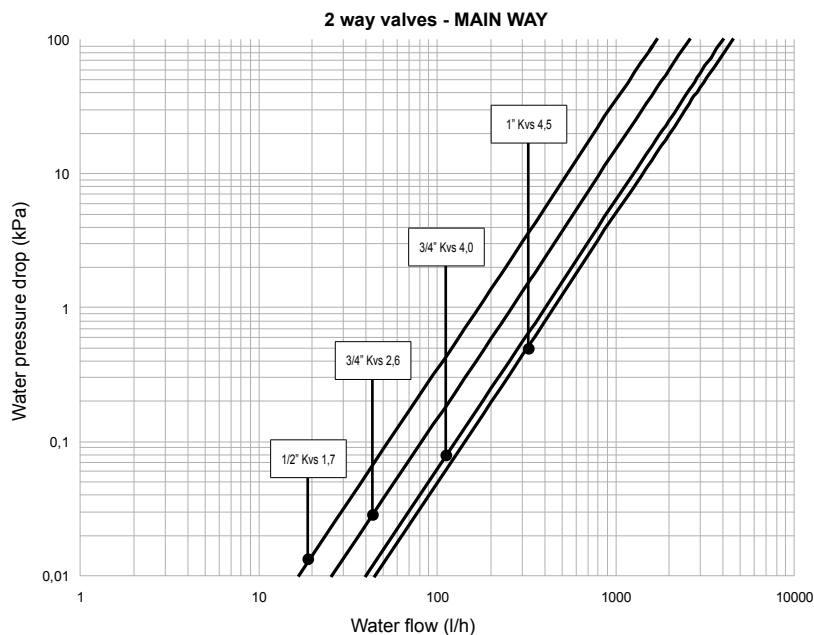
3 WAY VALVE KIT

ON/OFF 3-way valve kits with bypass (4 fittings) are available. The valve body is made of brass; the shutter is controlled by an ON/OFF electrothermal actuator (230 Vac input). When there is no power supply, the valve is closed. During functioning the electrothermal actuator is completely silent. The kit is provided with valve body, electrothermal actuator, flared copper fittings, ring nuts and gaskets to fix it to the fan coil unit. The valve kit is already mounted onto the fan coil unit, complete with the water and electrical connections necessary to make the unit work. When placing the order, please specify the fan coil unit model and the coil (standard or auxiliary) the kit refers to.

Technical data:

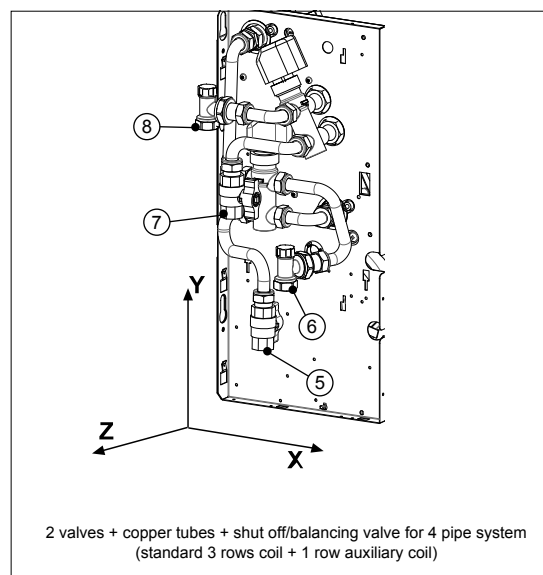
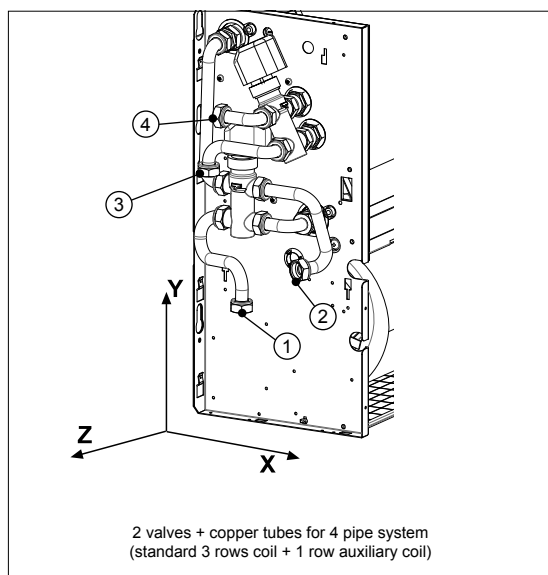
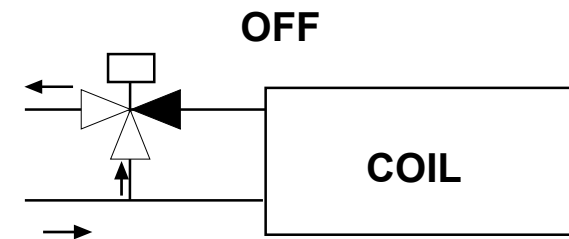
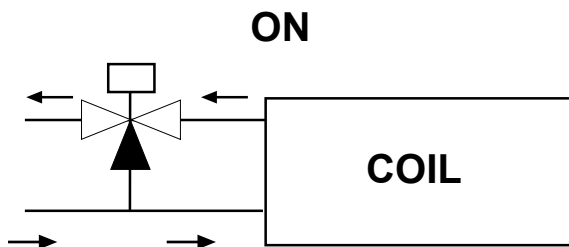
Maximum pressure	16 bar
Fluid min temperature	4 °C
Fluid max temperature	110 °C
Liquids allowed	Water with glycol < 50%
Shutter stroke	2.5 mm
Bypass leakage	< 0,02 % Kvs
Actuator attachment	Ghiera filettata M 30 x 1.5

	AIR 10	AIR 20	AIR 30	AIR 40	AIR 50	AIR 60	AIR 70	AIR 80	AIR 90	AIR 100
Coil	3R	3R	3R	3R	3R	3R	3R	3R	3R	3R
Ø Valve fittings	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"
KVS	main	1,7	1,7	1,7	1,7	2,8	2,8	2,8	4,0	4,0
	by pass	1,2	1,2	1,2	1,2	1,2	1,8	1,8	1,8	1,8
Coil	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R
Ø Valve fittings	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
KVS	main	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7
	by pass	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Coil	4R	4R	4R	4R	4R	4R	4R	4R	4R	4R
Ø Valve fittings	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
KVS	main	1,7	1,7	1,7	2,8	2,8	2,8	2,8	4,0	4,0
	by pass	1,2	1,2	1,2	1,8	1,8	1,8	1,8	1,8	3,1



VALVES

3 WAY VALVE KIT



		Air 10-50				Air 60-100			
Coil	Rif.	X	Y	Z	Ø pipe fittings	X	Y	Z	Ø pipe fittings
Standard	1	100	158	90	1/2" F	90	157	88	3/4" F
	2	150	193	40	1/2" F	154	195	30	3/4" F
Auxiliary	3	60	315	95	1/2" F	60	315	95	1/2" F
	4	80	377	95	1/2" F	80	377	95	1/2" F
Standard	5	100	95	90	1/2" F	90	100	88	3/4" F
	6	128	170	88	1/2" F	130	165	90	3/4" F
Auxiliary	7	60	250	95	1/2" F	60	250	95	1/2" F
	8	27	352	95	1/2" F	27	353	95	1/2" F

Copper fittings for valve are different between right and left installation.

When ordering, please specify the position of the hydraulic connections.

If hydraulic connections have to be modified on site, it's necessary to order the correct installation kit.

F = female gas fittings

M = male gas fittings

VALVES

SHUT OFF/BALANCING VALVE

Ball valve and holder kit are available for a proper balancing of the system.
The kit is already mounted onto the fan coil unit.

BALANCING VALVE Technical data:

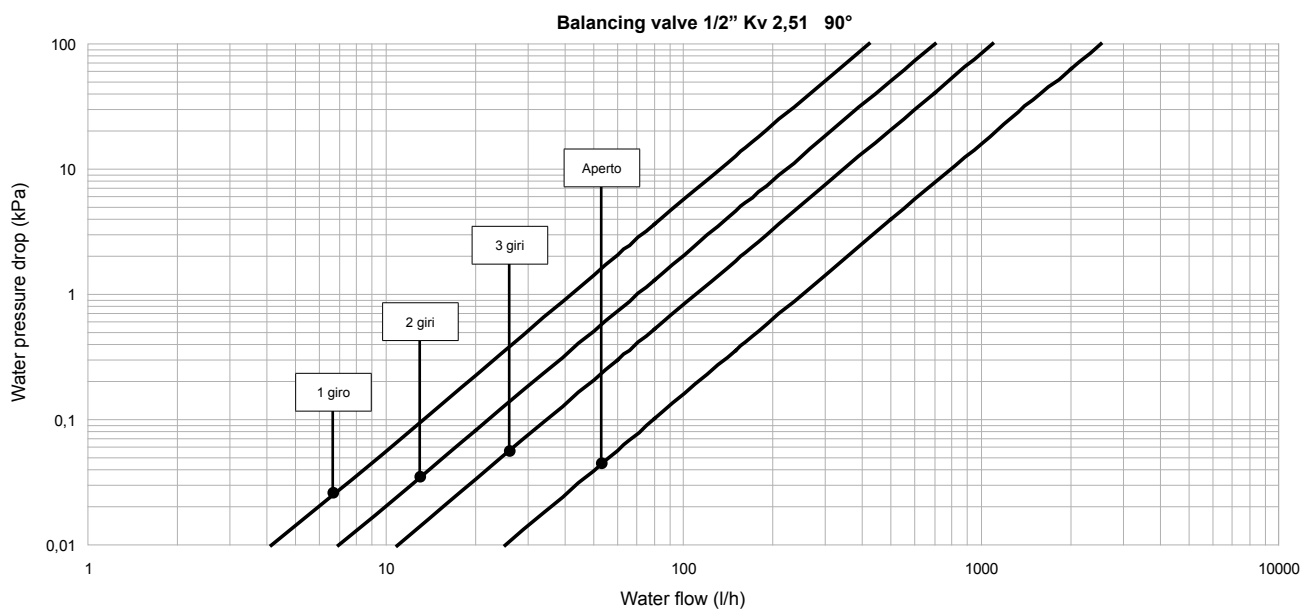
Maximum pressure	10 bar
Fluid min temperature	4 °C
Fluid max temperature	100 °C
Liquids allowed	Water with glycol < 50%

Dati tecnici valvola SFERA:

Pressione max.	30 bar
Fluid min temperature	4 °C
Fluid max temperature	100 °C
Liquids allowed	Water with glycol < 50%

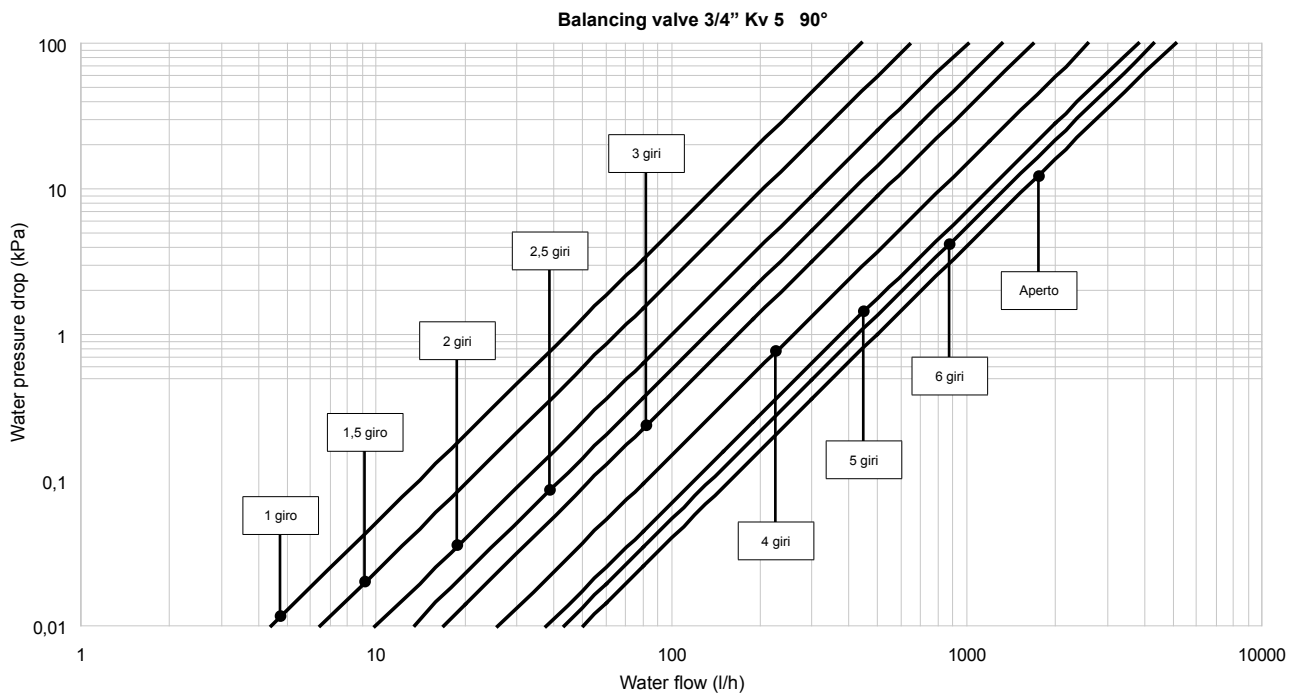
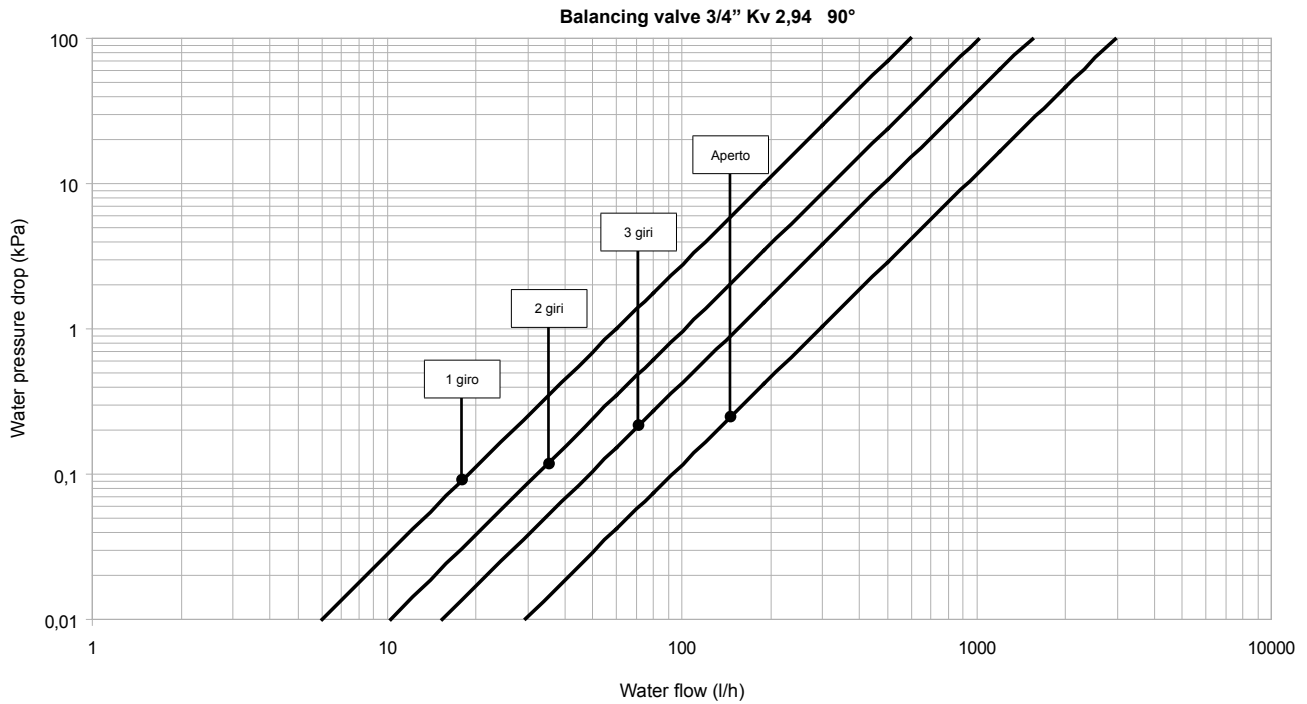
BALANCING VALVE:

	AIR 10	AIR 20	AIR 30	AIR 40	AIR 50	AIR 60	AIR 70	AIR 80	AIR 90	AIR 100
Coil	3R	3R	3R	3R	3R	3R	3R	3R	3R	3R
Ø Valve fittings	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"
KVS	2,51	2,51	2,51	2,51	2,51	2,94	2,94	2,94	5,0	5,0
Coil	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R
Ø Valve fittings	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
KVS	2,51	2,51	2,51	2,51	2,51	2,51	2,51	2,51	2,51	2,51
Coil	4R	4R	4R	4R	4R	4R	4R	4R	4R	4R
Ø Valve fittings	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
KVS	2,51	2,51	2,51	2,94	2,94	5,0	5,0	5,0	5,0	5,0



VALVES

SHUT OFF/BALANCING VALVE



VALVES

ACTUATORS

Technical characteristics

Action		ON/OFF
Power supply		0 ÷60 Hz 24 - 230 VAC/DC (+10%/-15%)
Steady state power consumption		2,5 W
Initial opening time (NC) or closing time (NA) (power ON)	230V	90 s
Final opening time (NC) or closing time (NA) (power ON)		3 min
Initial opening time (NC) or closing time (NA) (power ON)	24V	3 min
Final opening time (NC) or closing time (NA) (power ON)		5 min
Actuator stroke		max 3.5 mm
Valve stroke		2.5 mm
Protection level		IP44
Limit room temperature		0 a 50 °C
Limit storage temperature		-25 a 60 °C no condensation
Valve fluid max temperature		Max 110 °C
Nominal thrust (power OFF) (NC)		140 N (±10%)
Nominal thrust (power OFF) (NA)		80 N (±10%)
Action		Proportional (0...10 V)
Power supply		50/60 Hz 24Vac ±15%
Steady state power consumption		2W
Stroke time		15 sec/mm
Maximum stroke		4 mm
Protection level		IP 40
Limit room temperature		0 a 50 °C
Limit storage temperature		-25 a 65 °C no condensation
Valve fluid max temperature		95 °C
Nominal thrust		120 N (+30%)

ACCESSORIES

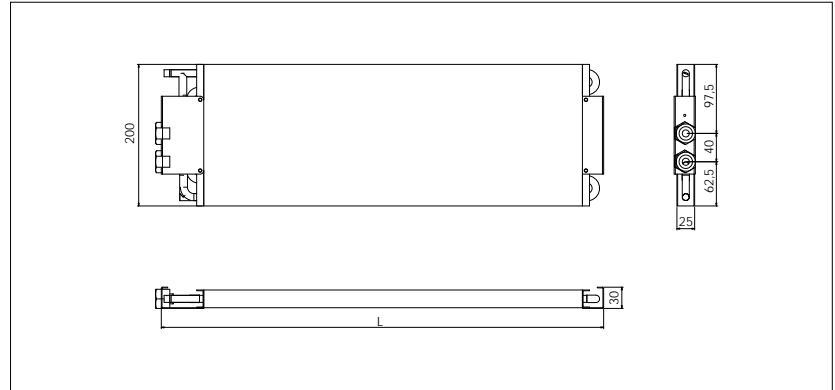
1 ROW AUXILIARY COIL

It is used in 4-pipe systems with 2 independent hydraulic circuits -one for cooling and one for heating.

In this case the auxiliary coil is used for heating.

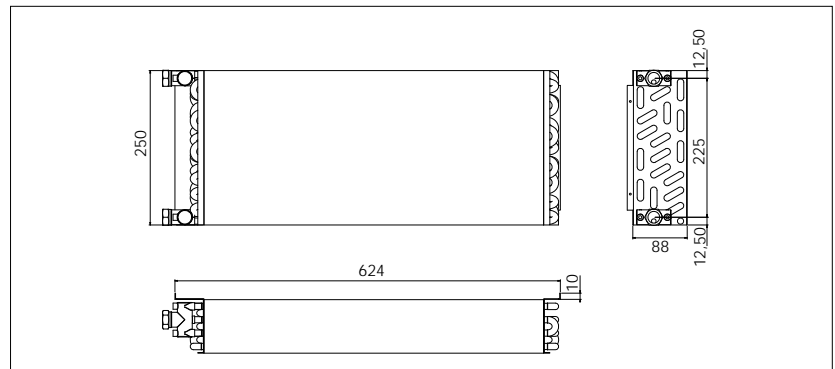
Its manufacture characteristics are similar to those of the main coil, with inlet/outlet brass headers and air valves. The fitting diameter is 1/2" with internal GAS thread. When placing the order, please specify the fan coil unit model on which the auxiliary coil shall be installed.

		Dimensions [mm]
MOD.	CODE	L
10	A0055560301	325
20	A0055560302	475
30	A0055560303	625
40	A0055560304	775
50	A0055560305	925
60	A0055560306	1075
70	A0055560307	1225
80	A0055560308	1225
90	A0055560309	1375
100	A0055560310	1525



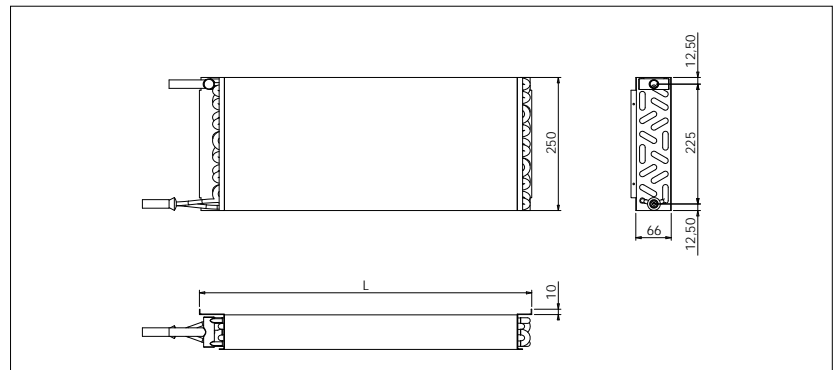
4 ROWS COIL

		Dimensions [mm]
MOD.	CODE	L
10	A0055560311	324
20	A0055560312	474
30	A0055560313	624
40	A0055560314	774
50	A0055560315	924
60	A0055560316	1074
70	A0055560317	1224
80	A0055560318	1224
90	A0055560319	1374
100	A0055560320	1524



DIRECT EXPANSION COIL

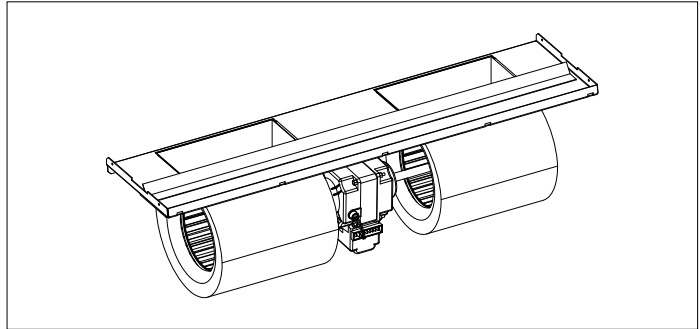
		Dimensions [mm]
MOD.	CODE	L
10	A0055560321	324
20	A0055560322	474
30	A0055560323	624
40	A0055560324	774
50	A0055560325	924
60	A0055560326	1074
70	A0055560327	1224
80	A0055560328	1224
90	A0055560329	1374
100	A0055560330	1524



ACCESSORIES

HIGH PRESSURE MOTOR

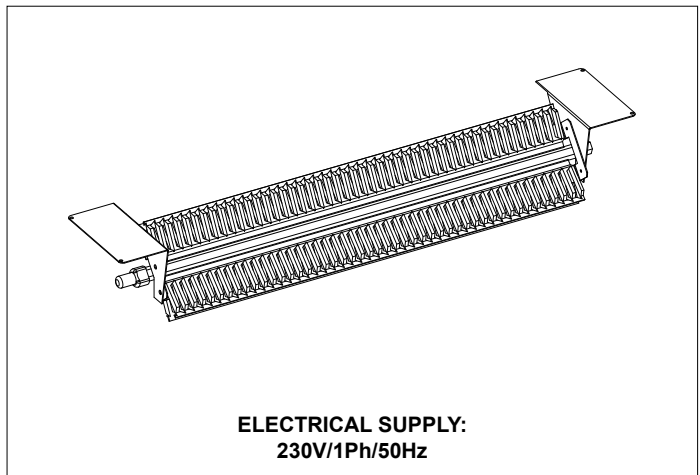
MOD.	CODE	Heating capacity	
		W	A
20	A0055660092	98	0.44
30	A0055660093	101	0.46
40	A0055660094	120	0.53
50	A0055660095	135	0.60
60	A0055660096	162	0.71
70	A0055660097	163	0.85



ELECTRIC HEATER

The heating element is used in the heating phase to supplement the main coil thermal power or as the only heating element. The kit includes the heating element with aluminium heat sink, the safety thermostat, the control relay, and the corresponding connections and it is already mounted onto the fan coil unit and complete with all the electrical connections.

MOD.	Air xxM CODE	Air xxl CODE	Heating capacity	
			W	A
10	A0055550100	A0055550110	600 - 900	2,6 - 3,9
20	A0055550101	A0055550111	600 - 900	2,6 - 3,9
30	A0055550102	A0055550112	1500 - 2000	6,5 - 8,7
40	A0055550103	A0055550113	1500 - 2000	6,5 - 8,7
50	A0055550104	A0055550114	2500 - 3200	10,9 - 13,9
60	A0055550105	A0055550115	2500 - 3200	10,9 - 13,9
70	A0055550106	A0055550116	3000 - 4000	13 - 17,4
80	A0055550107	A0055550117	3000 - 4000	13 - 17,4
90	A0055550108	A0055550118	3000 - 4000	13 - 17,4
100	A0055550109	A0055550119	3000 - 4400	13 - 19,1

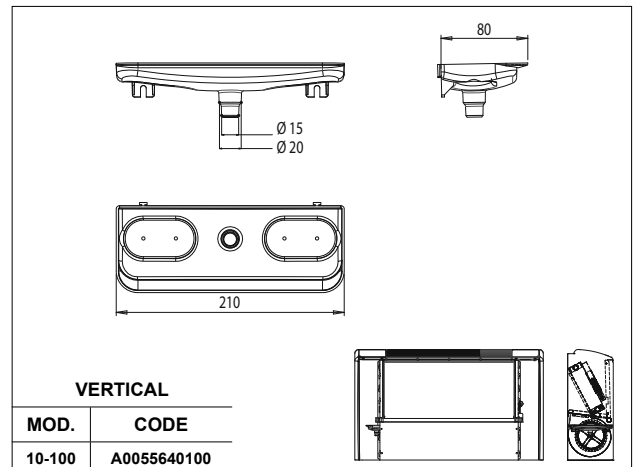
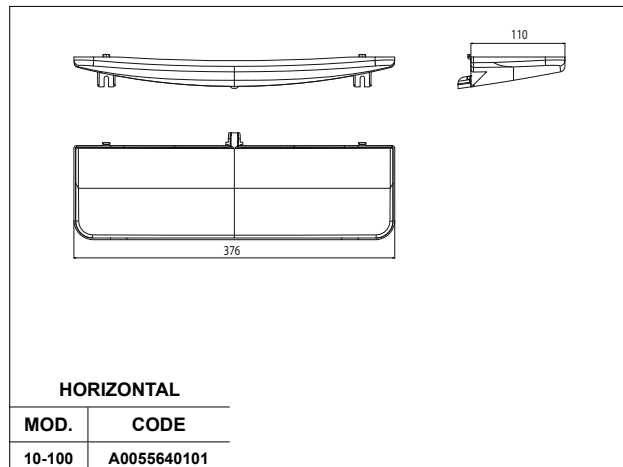


CONDENSATE DRAIN PAN

In ABS, the auxiliary pan enables to collect the condensate which may drip from the valves and the unit connecting pipes.

Horizontal for ceiling-mounted fan coil units.

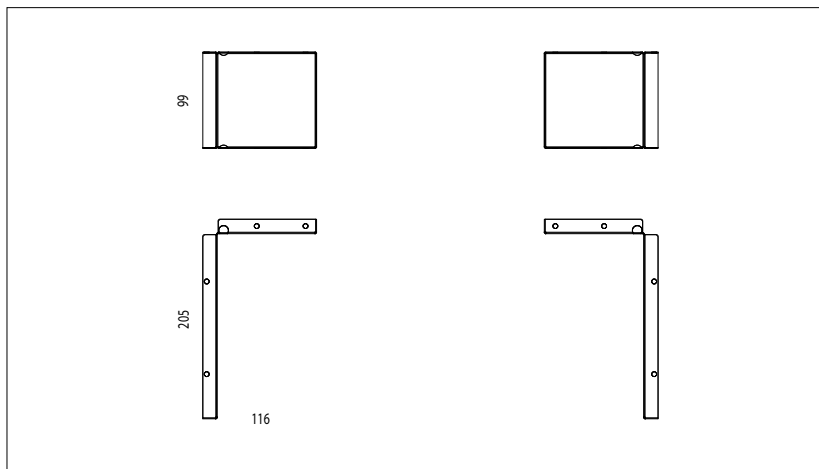
Vertical for wall-mounted fan coil units.



ACCESSORIES

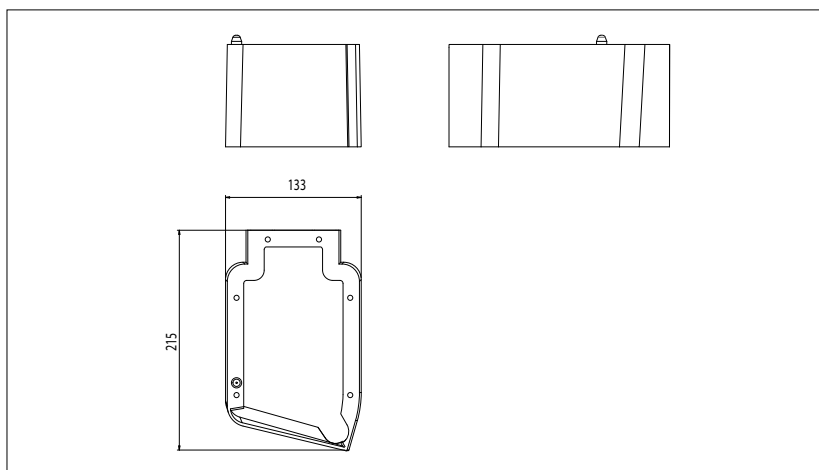
RECESSED FEET

MOD.	CODE
10-100	A0055490050



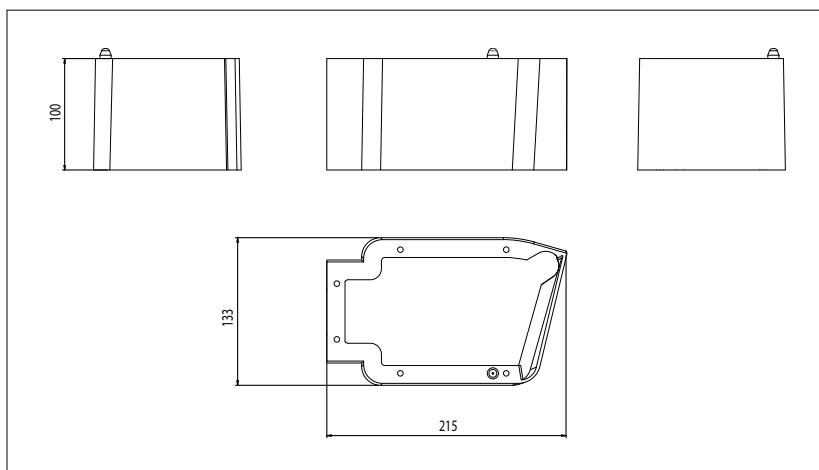
PLASTIC FEET

MOD.	CODE
10-100	A0055490051



PLASTIC FEET + PAINTED BACK PANEL

MOD.	CODE
10-100	A0055490052



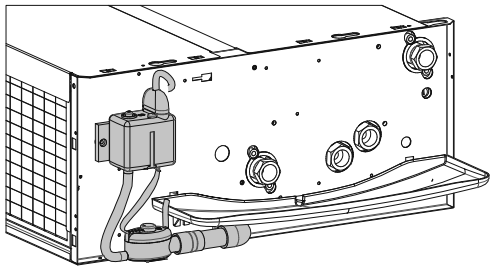
ACCESSORIES

CONDENSATE DRAIN PUMP

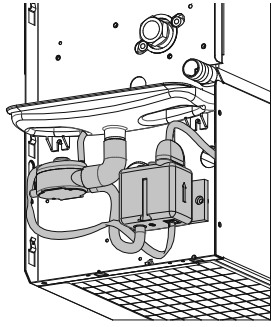
It is used to eliminate the condensate water collected into the pan should the drop-out drain not be allowed by the installation model. The pump is an oscillating piston pump made up of a pump unit and a detection system with a 3-level float (ON/OFF/Alarm).

PUMP INTERLOCK Alarm contact which enables to stop supplying power to equipment such as compressors or solenoid valves and to stop the production of condensate, electrical connections with outlet (1 m cable provided), thermal protection (90°C), rubber mounting bracket.

DETECTION INTERLOCK With outlet before/after the filter, good sealing, connectable breather pipe.



	MOD.	CODE
version	10-50	A0055650020
HORIZONTAL	60-100	A0055650021



	MOD.	CODE
version	10-50	A0055650022
VERTICAL	60-100	A0055650023

For model from Air 10 to Air 50

Operating tension	230 V - 50 Hz - 18 W
Max. water flow	8 liters/hour
Maximum intake	1 meter
Maximum head	6 meters
Alarm contact	NC 8 A resistive
Thermal protection (overheating)	90°C
Sound level	< 28 dB(A) a 1 m
Pump unit dimensions	L 66 x l 44 x h 60 mm
Detention dimensions	L 55 x l 38 x h 32 mm
Weight (including packaging)	± 0,350 kg

For model from Air 60 to Air 100

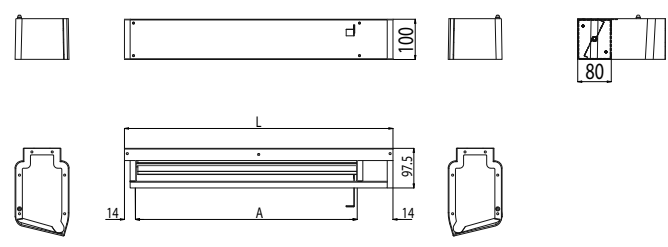
Operating tension	230 V - 50 Hz - 18 W
Max. water flow	20 liters/hour
Maximum intake	2 meters
Maximum head	6 meters
Alarm contact	NC 8 A resistive
Thermal protection (overheating)	90°C
Sound level	< 34 dB(A) a 1 m
Pump unit dimensions	L 66 x l 44 x h 60 mm
Detention dimensions	L 55 x l 38 x h 32 mm
Weight (including packaging)	± 0,350 kg

FRESH AIR LOUVER

The air lock is made of galvanised steel sheet and it may be provided with either manual control (located nearby the air lock itself) or electric servo control. It may be installed in both vertical (wall) or horizontal (ceiling) versions. For a proper installation, the fan coil unit must be equipped with a base for air intake.

Air flow rate: Internal: 92% External: 8% Total: 100%

Air M vertical		L	A
MOD.	CODE	mm	mm
10	A0055470100	360	242
20	A0055470101	510	392
30	A0055470102	660	542
40	A0055470103	810	692
50	A0055470104	960	842
60	A0055470105	1110	992
70	A0055470106	1260	1142
80	A0055470107	1260	1142
90	A0055470108	1410	1292
100	A0055470109	1560	1442



For VERTICAL version

ACCESSORIES

FRESH AIR LOUVER

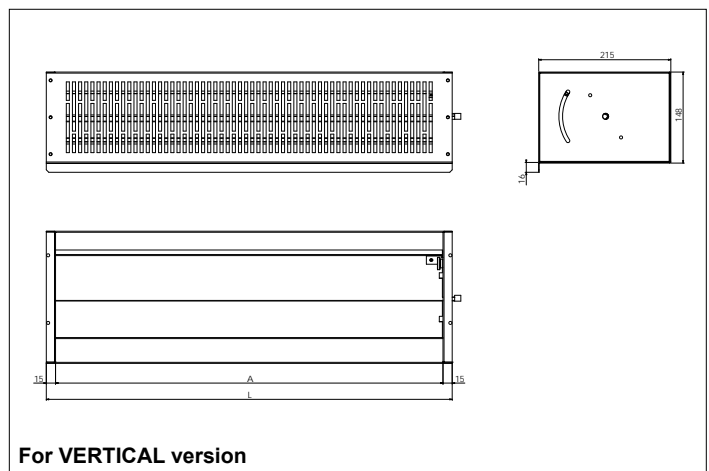
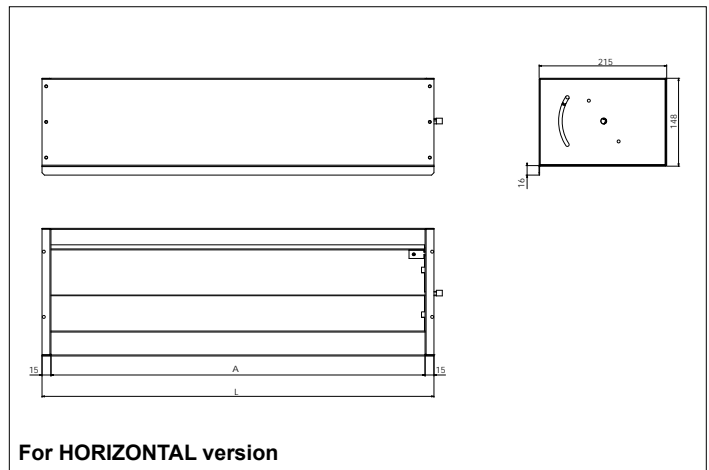
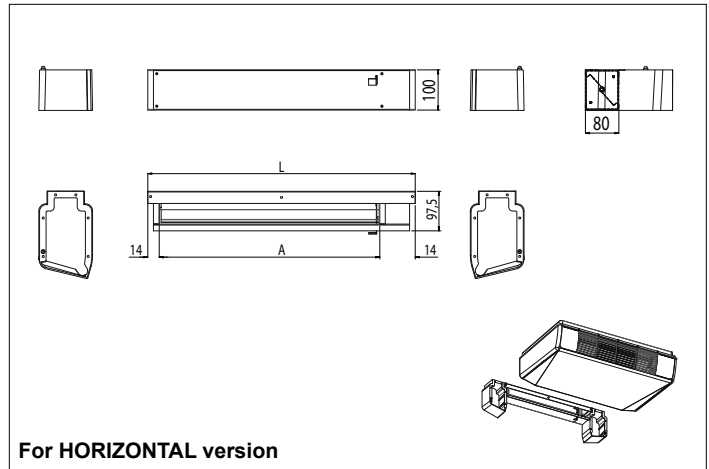
The air lock is made of galvanised steel sheet and it may be provided with either manual control (located nearby the air lock itself) or electric servo control. It may be installed in both vertical (wall) or horizontal (ceiling) versions. For a proper installation, the fan coil unit must be equipped with a base for air intake.

Air flow rate: Internal: 92% External: 8% Total: 100%

Air M horizontal		L	A
MOD.	CODE	mm	mm
10	A0055470110	360	242
20	A0055470111	510	392
30	A0055470112	660	542
40	A0055470113	810	692
50	A0055470114	960	842
60	A0055470115	1110	992
70	A0055470116	1260	1142
80	A0055470117	1260	1142
90	A0055470118	1410	1292
100	A0055470119	1560	1442

Air I		L	A
MOD.	CODE	mm	mm
10	A0055470140	360	330
20	A0055470141	510	480
30	A0055470142	660	630
40	A0055470143	810	780
50	A0055470144	960	930
60	A0055470145	1110	1080
70	A0055470146	1260	1230
80	A0055470147	1260	1230
90	A0055470148	1410	1380
100	A0055470149	1560	1530

Air IF		L	A
MOD.	CODE	mm	mm
10	A0055470130	360	330
20	A0055470131	510	480
30	A0055470132	660	630
40	A0055470133	810	780
50	A0055470134	960	930
60	A0055470135	1110	1080
70	A0055470136	1260	1230
80	A0055470137	1260	1230
90	A0055470138	1410	1380
100	A0055470139	1560	1530

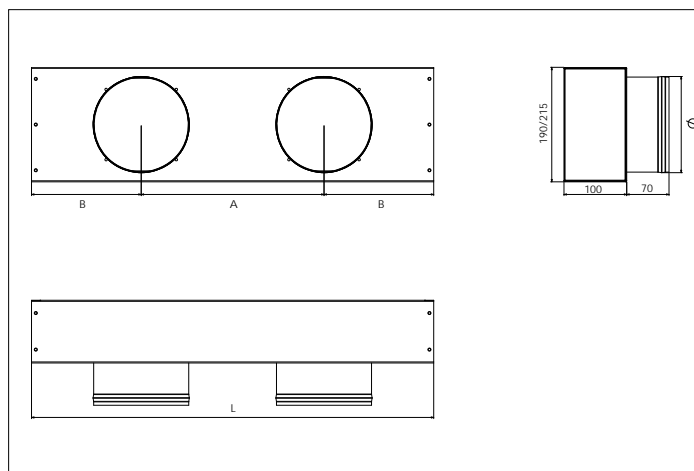


ACCESSORIES

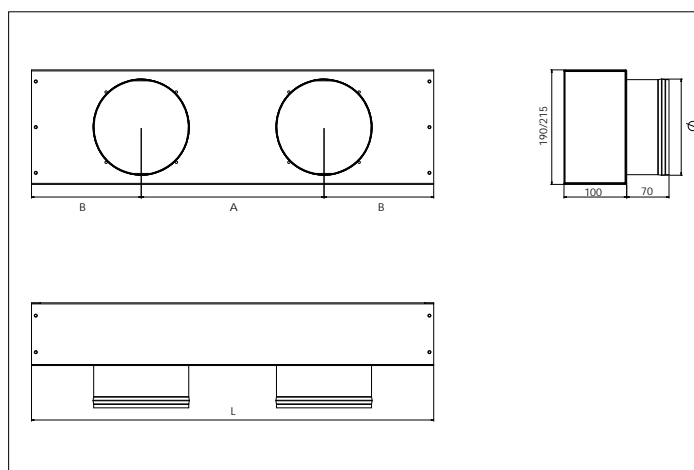
SUPPLY/INTAKE PLENUM WITH SPIGOTS

The plenum made of painted galvanised steel sheet with circular fitting is used to convey the air in case of either vertical or horizontal built-in installation of the fan coil unit. To extract the air filter the motor cover equipped with a bayonet panel shall be mounted.

SUPPLY		L	A	B	Spigots	H	
MOD.	CODE	mm	mm	mm	n°	Ø	mm
10	A0055500430	360	-	180	1	160	190
20	A0055500431	510	240	135	2	160	190
30	A0055500432	660	300	180	2	160	190
40	A0055500433	810	240	165	3	160	190
50	A0055500434	960	230	135	4	160	190
60	A0055500435	1110	260	165	4	160	190
70	A0055500436	1260	295	187.5	4	200	215
80	A0055500437	1260	295	187.5	4	200	215
90	A0055500438	1410	300	210	4	200	215
100	A0055500439	1560	300	180	5	200	215



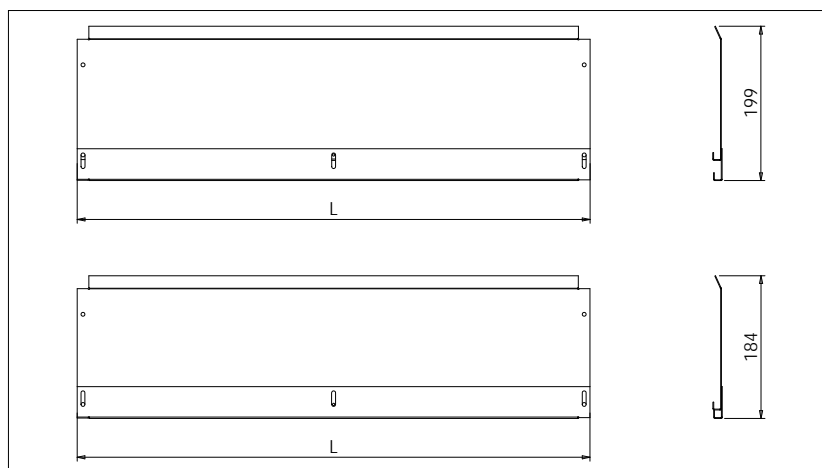
INTAKE		L	A	B	Spigots	H	
MOD.	CODE	mm	mm	mm	n°	Ø	mm
10	A0055500440	360	-	180	1	160	190
20	A0055500441	510	240	135	2	160	190
30	A0055500442	660	300	180	2	160	190
40	A0055500443	810	240	165	3	160	190
50	A0055500444	960	230	135	4	160	190
60	A0055500445	1110	260	165	4	160	190
70	A0055500446	1260	295	187.5	4	200	215
80	A0055500447	1260	295	187.5	4	200	215
90	A0055500448	1410	300	210	4	200	215
100	A0055500449	1560	300	180	5	200	215



FAN MOTOR-COVER STEEL PANEL FOR BOTTOM AIR FILTER EXTRACTION

The bayonet motor cover is made of two panels which slide one on the other enabling to easily extract the filter. This is necessary when a intake accessory is mounted (e.g. 90° fitting, straight plenum, vibration-damping joint).

MOD.	CODE	L
		mm
10	A0055510450	360
20	A0055510451	510
30	A0055510452	660
40	A0055510453	810
50	A0055510454	960
60	A0055510455	1110
70	A0055510456	1260
80	A0055510457	1260
90	A0055510458	1410
100	A0055510459	1560

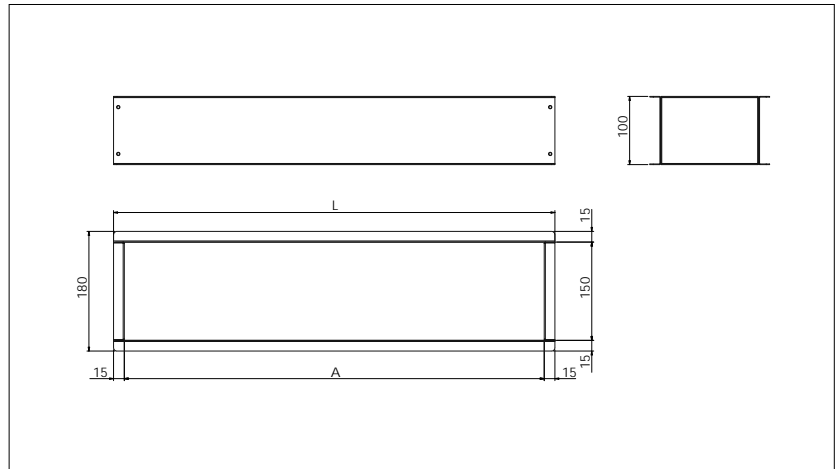


ACCESSORIES

STRAIGHT SUPPLY PLENUM (INSULATED)

In galvanised steel sheet, it is used to convey the air in case of either vertical or horizontal built-in installation of the fan coil unit.

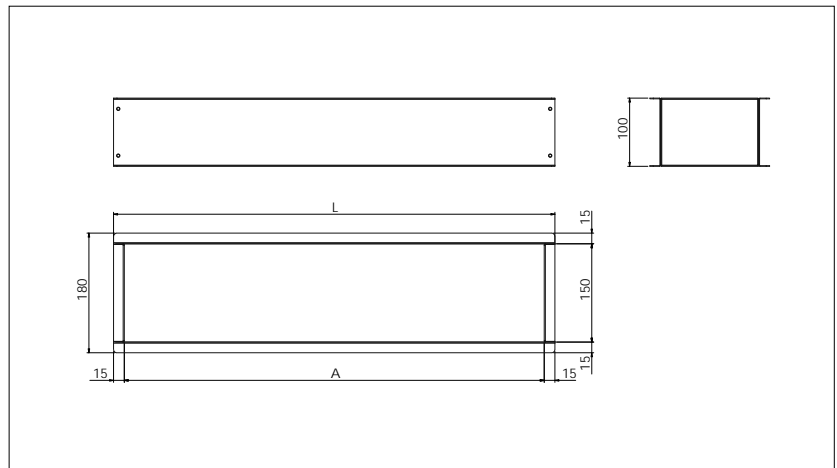
MOD.	CODE	L	A
		mm	mm
10	A0055500390	360	330
20	A0055500391	510	480
30	A0055500392	660	630
40	A0055500393	810	780
50	A0055500394	960	930
60	A0055500395	1110	1080
70	A0055500396	1260	1230
80	A0055500397	1260	1230
90	A0055500398	1410	1380
100	A0055500399	1560	1530



STRAIGHT INTAKE PLENUM

In galvanised steel sheet, it is used to convey the air in case of either vertical or horizontal built-in installation of the fan coil unit.

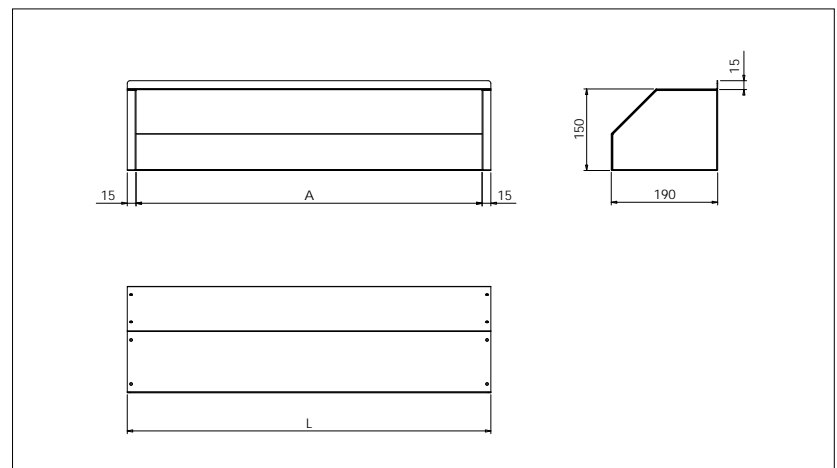
MOD.	CODE	L	A
		mm	mm
10	A0055500400	360	330
20	A0055500401	510	480
30	A0055500402	660	630
40	A0055500403	810	780
50	A0055500404	960	930
60	A0055500405	1110	1080
70	A0055500406	1260	1230
80	A0055500407	1260	1230
90	A0055500408	1410	1380
100	A0055500409	1560	1530



90° AIR SUPPLY PLENUM (INSULATED)

In galvanised steel sheet, it is used to convey the air in case of either vertical or horizontal built-in installation of the fan coil unit.

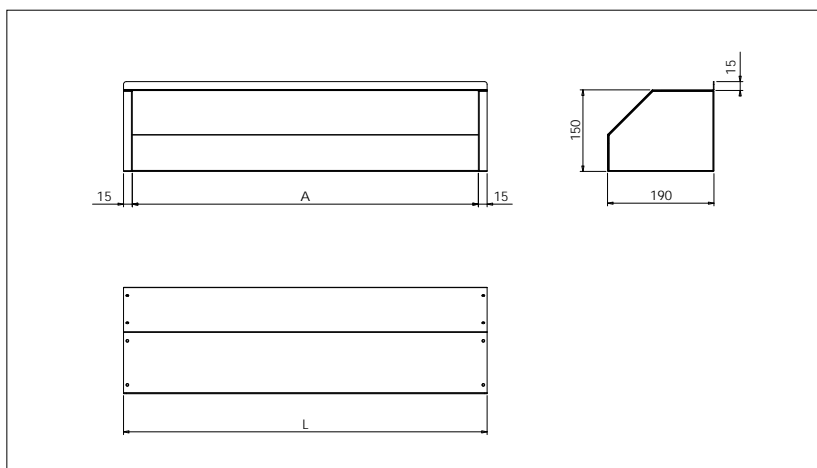
MOD.	CODE	L	A
		mm	mm
10	A0055500370	360	330
20	A0055500371	510	480
30	A0055500372	660	630
40	A0055500373	810	780
50	A0055500374	960	930
60	A0055500375	1110	1080
70	A0055500376	1260	1230
80	A0055500377	1260	1230
90	A0055500378	1410	1380
100	A0055500379	1560	1530



ACCESSORIES

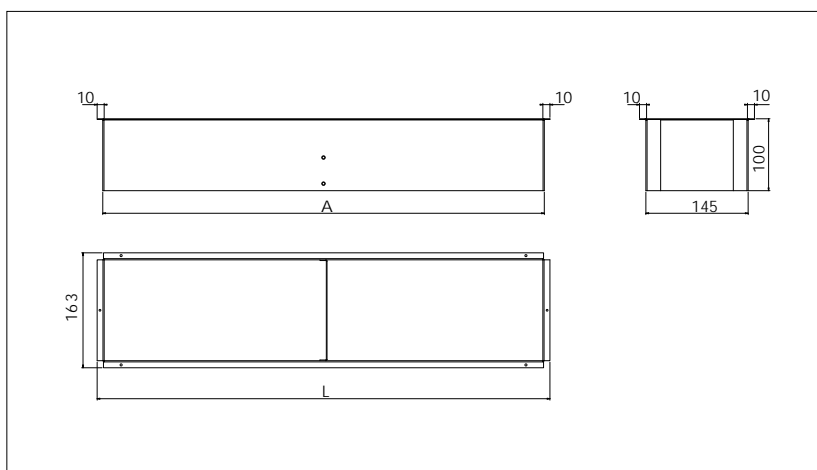
90° AIR INTAKE PLENUM

MOD.	CODE	L	A
		mm	mm
10	A0055500380	360	330
20	A0055500381	510	480
30	A0055500382	660	630
40	A0055500383	810	780
50	A0055500384	960	930
60	A0055500385	1110	1080
70	A0055500386	1260	1230
80	A0055500387	1260	1230
90	A0055500388	1410	1380
100	A0055500389	1560	1530



TELESCOPIC EXTENSION FOR 90° AND STRAIGHT PLENUMS

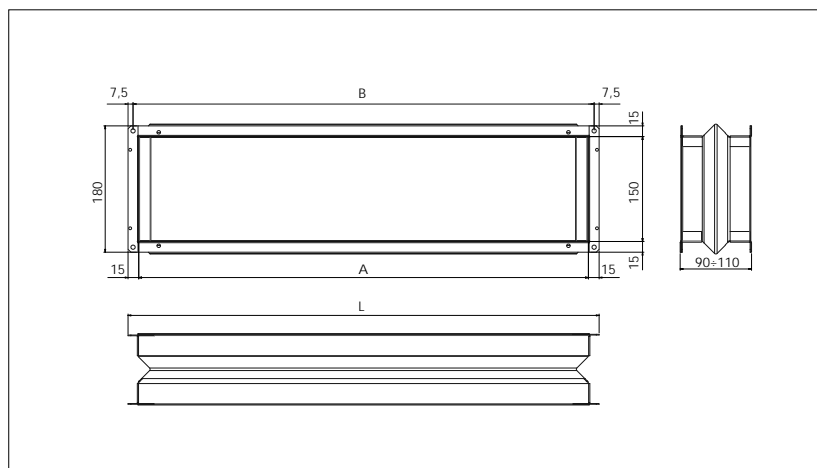
MOD.	CODE	L	A
		mm	mm
10	A0055500410	342	325
20	A0055500411	492	475
30	A0055500412	642	625
40	A0055500413	792	775
50	A0055500414	942	925
60	A0055500415	1092	1075
70	A0055500416	1242	1225
80	A0055500417	1242	1225
90	A0055500418	1392	1375
100	A0055500419	1542	1525



ANTIVIBRATING JOINT

It is made of galvanised steel sheet with a two-ply silicone fabric suitable for hot temperature, for fan coil unit and straight as well as 90° joint, to reduce noise.

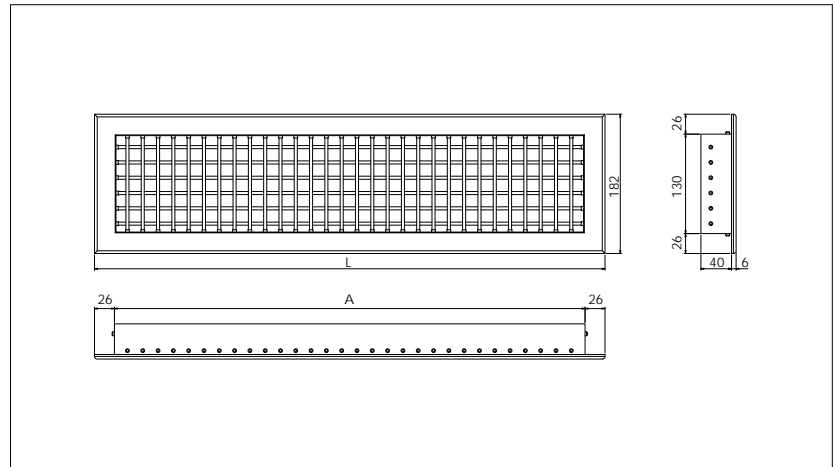
MOD.	CODE	L	A	B
		mm	mm	mm
10	A0055500420	360	330	345
20	A0055500421	510	480	495
30	A0055500422	660	630	645
40	A0055500423	810	780	795
50	A0055500424	960	930	945
60	A0055500425	1110	1080	1095
70	A0055500426	1260	1230	1245
80	A0055500427	1260	1230	1245
90	A0055500428	1410	1380	1395
100	A0055500429	1560	1530	1545



ACCESSORIES

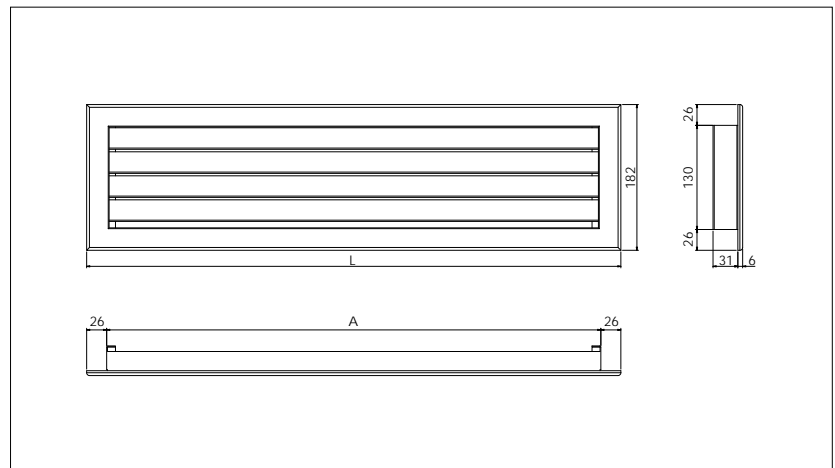
ALUMINIUM ADJUSTABLE SUPPLY GRILL (without air filter)

MOD.	CODE	L	A
		mm	mm
10	A0055520230	362	310
20	A0055520231	512	460
30	A0055520232	662	610
40	A0055520233	812	760
50	A0055520234	962	910
60	A0055520235	1112	1060
70	A0055520236	1262	1210
80	A0055520237	1262	1210
90	A0055520238	1412	1360
100	A0055520239	1562	1510



ALUMINIUM FIXED INTAKE GRILL (with air filter)

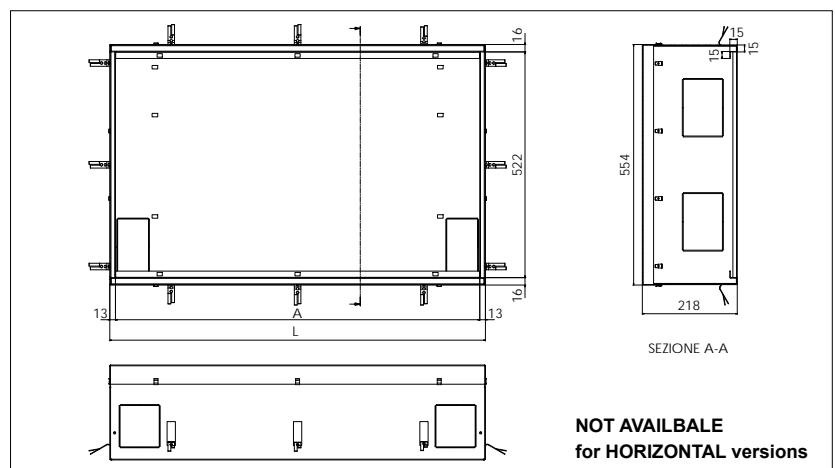
MOD.	CODE	L	A
		mm	mm
10	A0055520240	367	315
20	A0055520241	517	465
30	A0055520242	667	615
40	A0055520243	817	765
50	A0055520244	967	915
60	A0055520245	1117	1065
70	A0055520246	1267	1215
80	A0055520247	1267	1215
90	A0055520248	1417	1365
100	A0055520249	1567	1515



STEEL BOX

In galvanised steel sheet, it is used to make the fan coil unit built-in installation I (frontal air throw version) easier.

MOD.	CODE	L	A
		mm	mm
10	A0055530040	617	591
20	A0055530041	817	791
30	A0055530042	917	891
40	A0055530043	1117	1091
50	A0055530044	1217	1191
60	A0055530045	1417	1391
70	A0055530046	1517	1491
80	A0055530047	1517	1491



ACCESSORIES

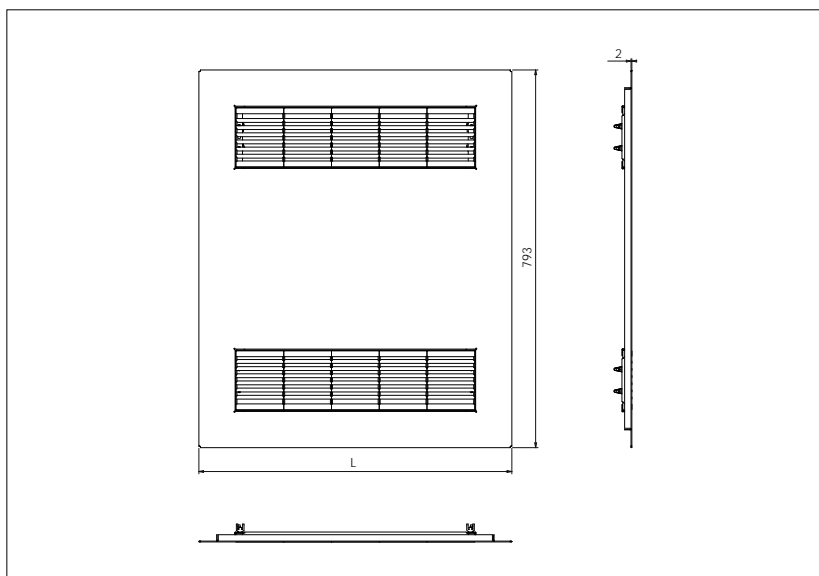
WHITE PRE-PAINTED STEEL PANEL

The built-in fan coil units both wall and ceiling mounted shall be covered for style and safety reasons. The sheet panel (20-mm thick) enables to conceal the fan coil unit by completely closing the recess in which it is placed. The panel is made of white pre-painted sheet. It is mounted directly onto the fan coil unit by hidden self-tapping screws.

The air outflow (with filter) and intake grilles are inserted into the panel. By rotating the air outflow grille, the air throw may be directed upwards or downwards. Two kinds of panels are available for each fan coil unit measure: IF version (fan coil unit with frontal throw) and I version (fan coil unit with vertical or horizontal throw, equipped with 90° fitting).

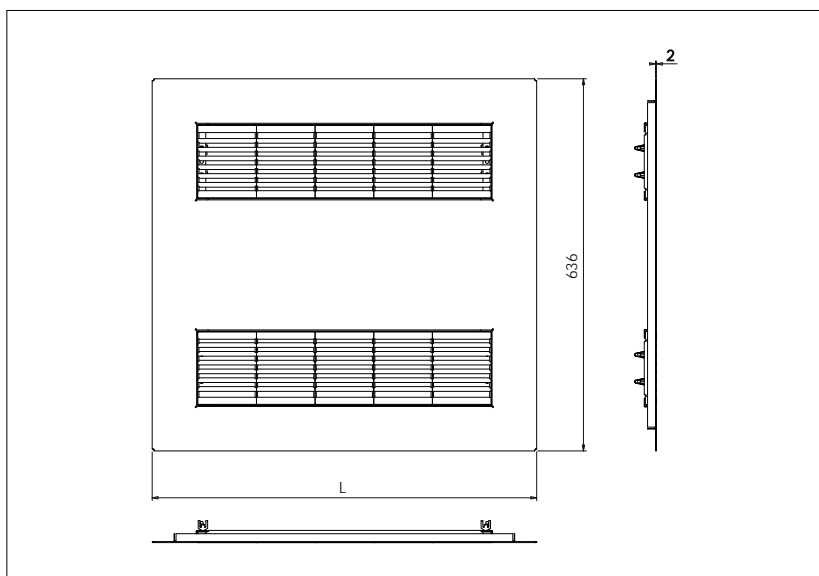
AIR version I

MOD.	CODE	L	Grills
		mm	n°
10	A0055510380	657	5
20	A0055510381	857	7
30	A0055510382	957	8
40	A0055510383	1157	10
50	A0055510384	1257	11
60	A0055510385	1457	13
70	A0055510386	1557	14
80	A0055510387	1557	14



AIR version IF

MOD.	CODE	L	Grills
		mm	n°
10	A0055510370	657	5
20	A0055510371	857	7
30	A0055510372	957	8
40	A0055510373	1157	10
50	A0055510374	1257	11
60	A0055510375	1457	13
70	A0055510376	1557	14
80	A0055510377	1557	14



ACCESSORIES

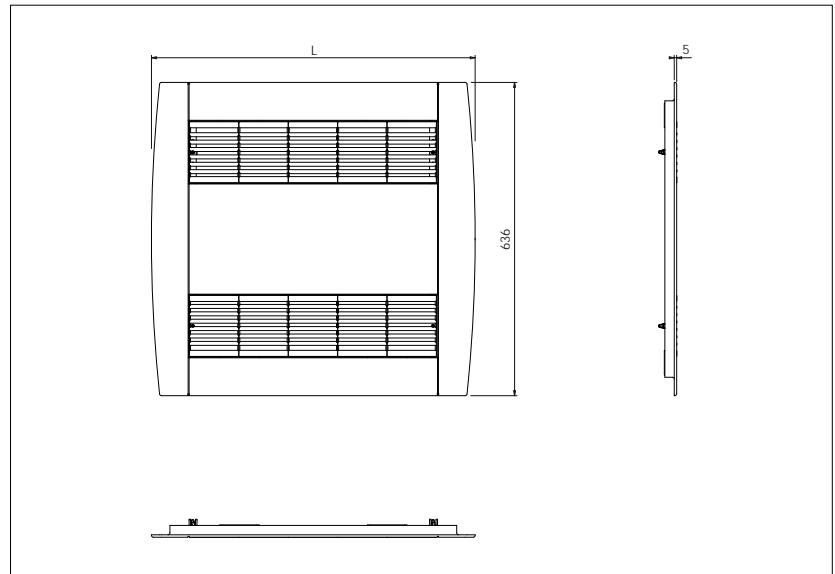
WHITE LACQUERED WOODEN PANEL

It is a stylish white lacquered wood panel (20-mm thick) specifically designed for design-oriented places. The wood panel enables to conceal the fan coil unit by completely closing the recess in which it is placed.

It is mounted directly onto the fan coil unit by hidden self-tapping screws. The air outflow (with filter) and intake grilles are inserted into the panel. By rotating the air outflow grille, the air throw may be directed upwards or downwards.

AIR version IF

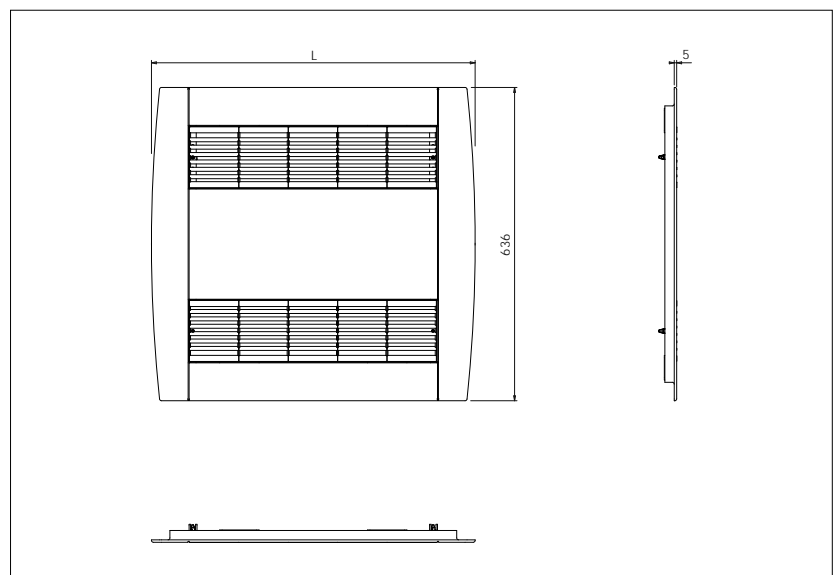
MOD.	CODE	L	Grills
		mm	n°
10	A0055510390	657	5
20	A0055510391	857	7
30	A0055510392	957	8
40	A0055510393	1157	10
50	A0055510394	1257	11
60	A0055510395	1457	13
70	A0055510396	1557	14
80	A0055510397	1557	14



NOT PAINTED WOODEN PANEL

AIR version IF

MOD.	CODE	L	Grills
		mm	n°
10	A0055510430	657	5
20	A0055510431	857	7
30	A0055510432	957	8
40	A0055510433	1157	10
50	A0055510434	1257	11
60	A0055510435	1457	13
70	A0055510436	1557	14
80	A0055510437	1557	14

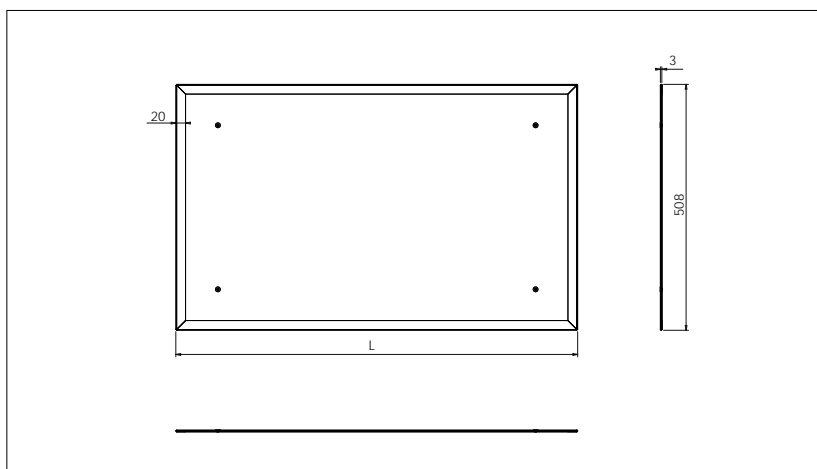


ACCESSORIES

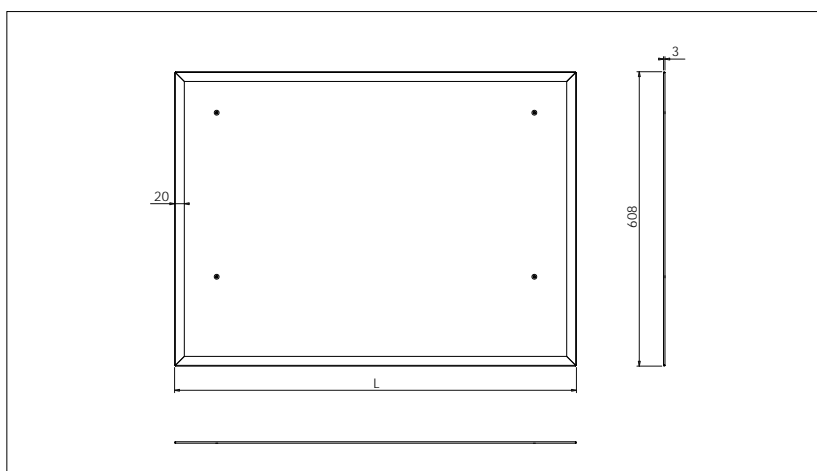
PAINTED BACK PANEL (FOR STANDARD CABINET)

In painted sheet, it enables to close the rear part of the fan coil unit should it be exposed.

MOD.	CODE	L mm
10	A0055510330	530
20	A0055510331	680
30	A0055510332	830
40	A0055510333	980
50	A0055510334	1130
60	A0055510335	1280
70	A0055510336	1430
80	A0055510337	1430
90	A0055510338	1580
100	A0055510339	1730

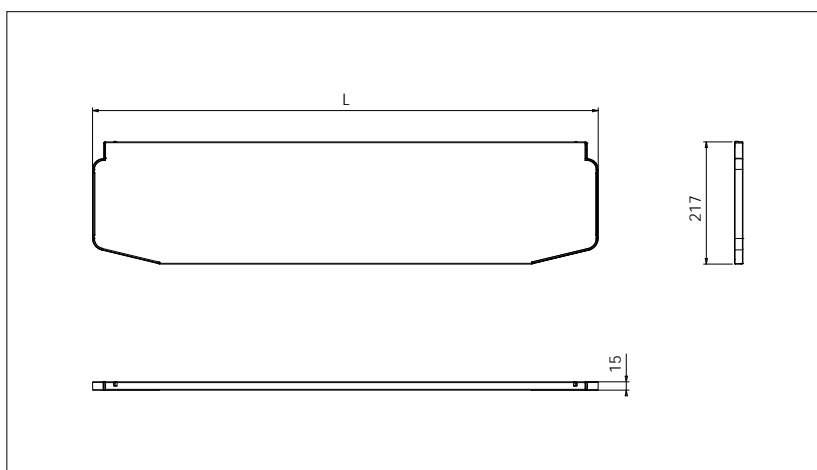
**PAINTED BACK PANEL (FOR CABINET WITH SOCLE)**

MOD.	CODE	L mm
10	A0055510340	530
20	A0055510341	680
30	A0055510342	830
40	A0055510343	980
50	A0055510344	1130
60	A0055510345	1280
70	A0055510346	1430
80	A0055510347	1430
90	A0055510348	1580
100	A0055510349	1730

**PAINTED LOWER PANEL WITHOUT GRILL**

In painted sheet, it enables to close the lower part of the fan coil unit should it be exposed.

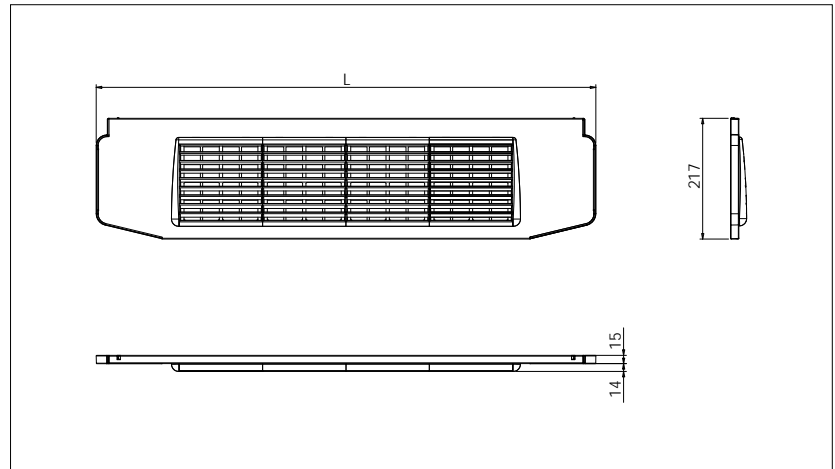
MOD.	CODE	L mm
10	A0055510350	595
20	A0055510351	745
30	A0055510352	895
40	A0055510353	1045
50	A0055510354	1195
60	A0055510355	1345
70	A0055510356	1495
80	A0055510357	1495
90	A0055510358	1645
100	A0055510359	1795



ACCESSORIES

PAINTED LOWER PANEL WITH GRILL AND AIR FILTER

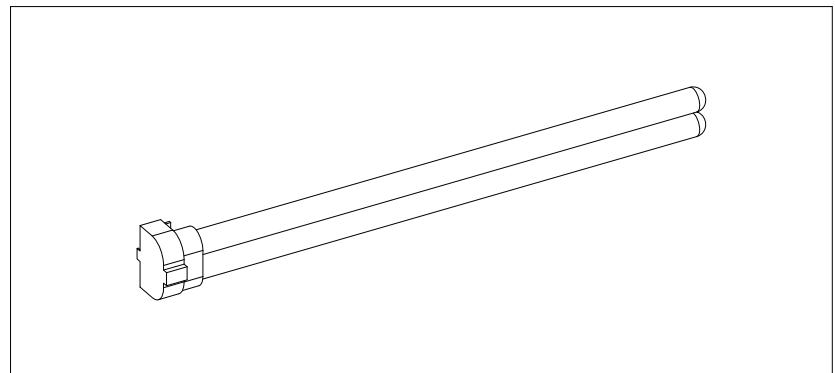
MOD.	CODE	L	Grills
		mm	n°
10	A0055510360	595	2
20	A0055510361	745	3
30	A0055510362	895	4
40	A0055510363	1045	5
50	A0055510364	1195	6
60	A0055510365	1245	7
70	A0055510366	1495	8
80	A0055510367	1495	8
90	A0055510368	1645	9
100	A0055510369	1795	10



GERMICIDAL LAMP

Ultraviolet ray lamp which enables to prevent bacteria (e.g. legionella) to grow inside the drain pan of the unit.

MOD.	CODE	Power supply
		W
20	A0055670022	230 V / 36 W
30	A0055670023	
40	A0055670024	
50	A0055670025	
60	A0055670026	
70	A0055670027	
80	A0055670028	
90	A0055670029	
100	A0055670030	



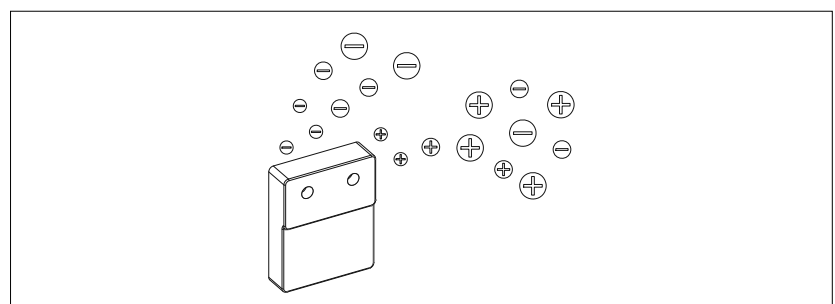
IONIZER

The ionizer (or negative ion generator) is a device which emits electrons (negatively charged) by applying negative high voltage to one or more needles serving as emitters. The electrons emitted by the ionizer get then in touch with the molecules present in the air transforming them into negatively charged molecules, i.e. in negative ions.

The negative ions of oxygen are good for health from several points of view:

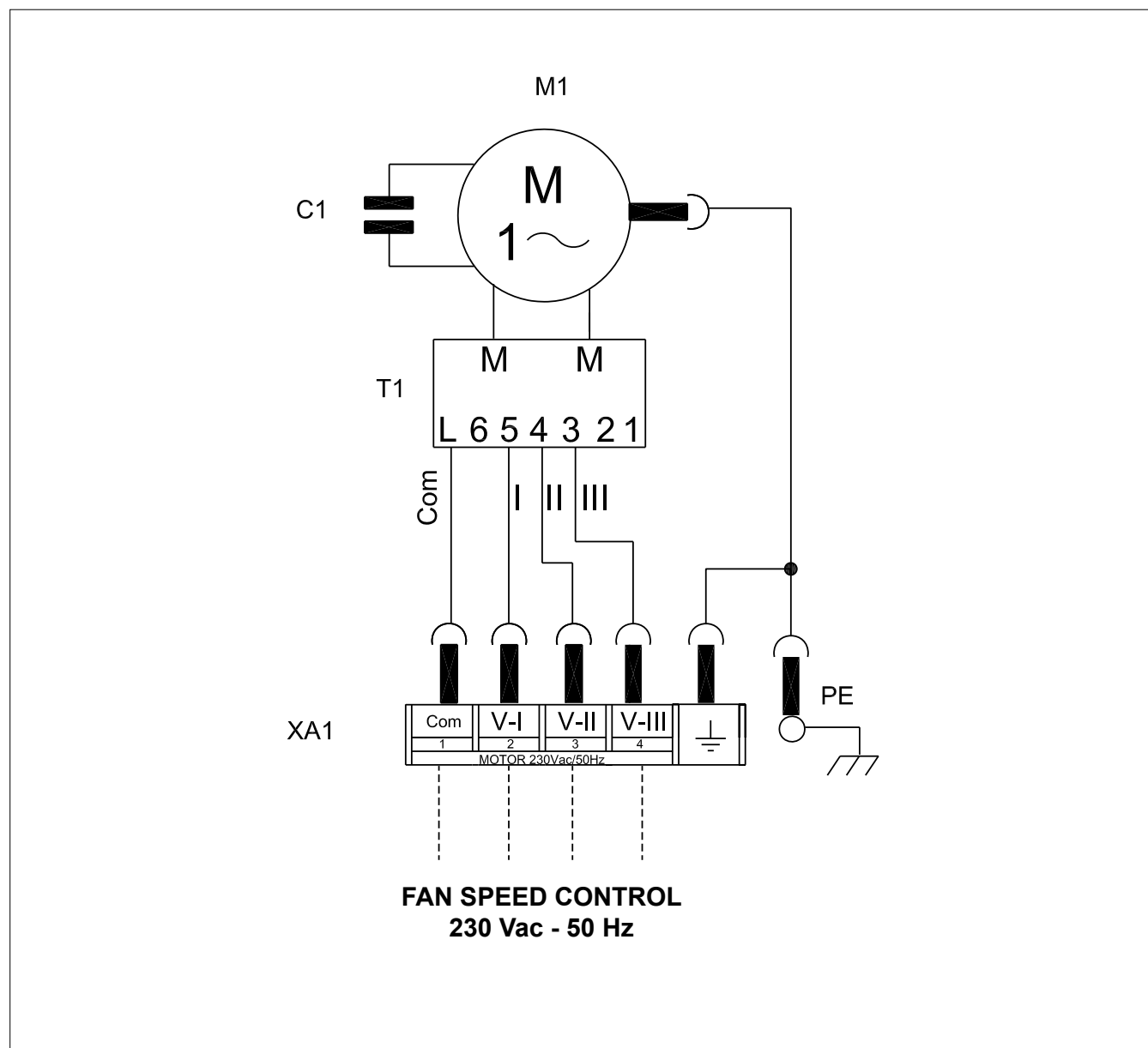
- they help the body to regain its natural balance;
- they reduce the predisposition to influenza and cold improving breathing;
- they reduce the inconveniences caused by some forms of allergy;
- they help fighting irritability, depression, and tension.

MOD.	CODE	Power supply
		W
10-100	A0055150268	12 VTC / 30 mA



ELECTRICAL WIRINGS

STANDARD TERMINAL BOARD (FAN/MOTOR ONLY)



LEGENDA:

M	Fan motor
T1	Autotransformer (not installed in all models)
XA1	Fan motor terminal board
PE	Earth
C1	Capacitor
Com	Common
V-I	Minimum speed
V-II	Medium speed
V-III	Maximum speed

DECLARATION OF CONFORMITY



According to the Low Voltage Directive 73/23/EEC, the EMC Directive 89/336/EEC and amended by the CE marking Directive 93/68/EEC.

Type of equipment: **CENTRIFUGAL FAN COIL UNIT**
Trademark: **A GROUP S.p.A.**
Type designation: **Air**
Manufacture: **A GROUP S.p.A.**
Address: **via Montegrappa, 67 - San Zenone degli Ezzelini (Treviso) - Italia**
Telephone: **+39 0423 969037**
Telefax: **+39 0423 968197**

The following harmonised standards or technical specifications (designations) which comply with good engineering practice in safety matters in force within the EEC have been applied:

Standards or other normative documents:

EN 60335 - 1:1994
EN 60335 - 1-1994/A11:1995
EN 60335 - 1-1194/A12:1996
EN 60335 - 1-1994/A1:1996
EN 60335 - 1-1994/A13:1998
EN 60335 - 1-1994/A14:1998
EN 60335 - 1-1994/A15:2000
EN 60335 - 1-1994/A16:2001
EN 60335 - 1-1994/A2:2000
EN 60335 - 2-30:1997
EN 60335 - 2-30:1997/A1:2000
EN 12100-1; EN 12100-2
EN 55014-1, EN 61000-3-2, EN 61000-3-3

Additional informations:

As the manufacturer's authorised representative established within EEC, we declare under our sole responsibility that the equipment follows the provisions of the Directives stated above.

Date and place of issue

San Zenone degli Ezzelini, li 01/01/2003

Name e signature of authorised person

Boaro Francesco

NOTES



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