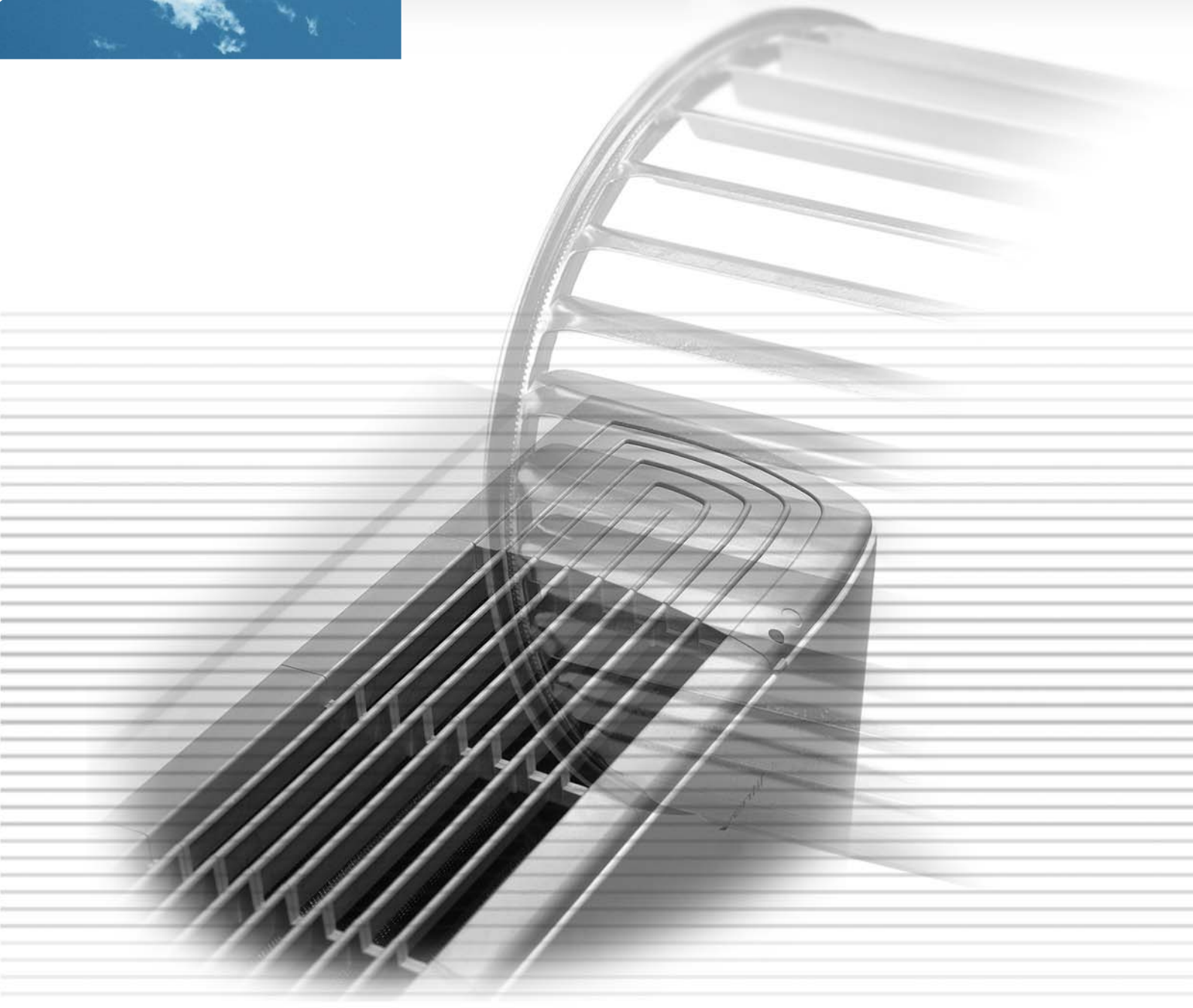
serie

VCE

TECHNICAL MANUAL



ISO 9002 - Cert. n. 1368/1

Ventilclima®
Apparecchi per la Climatizzazione

CENTRIFUGAL FAN COIL UNITS

MU VCE 0107-1 VEN GB

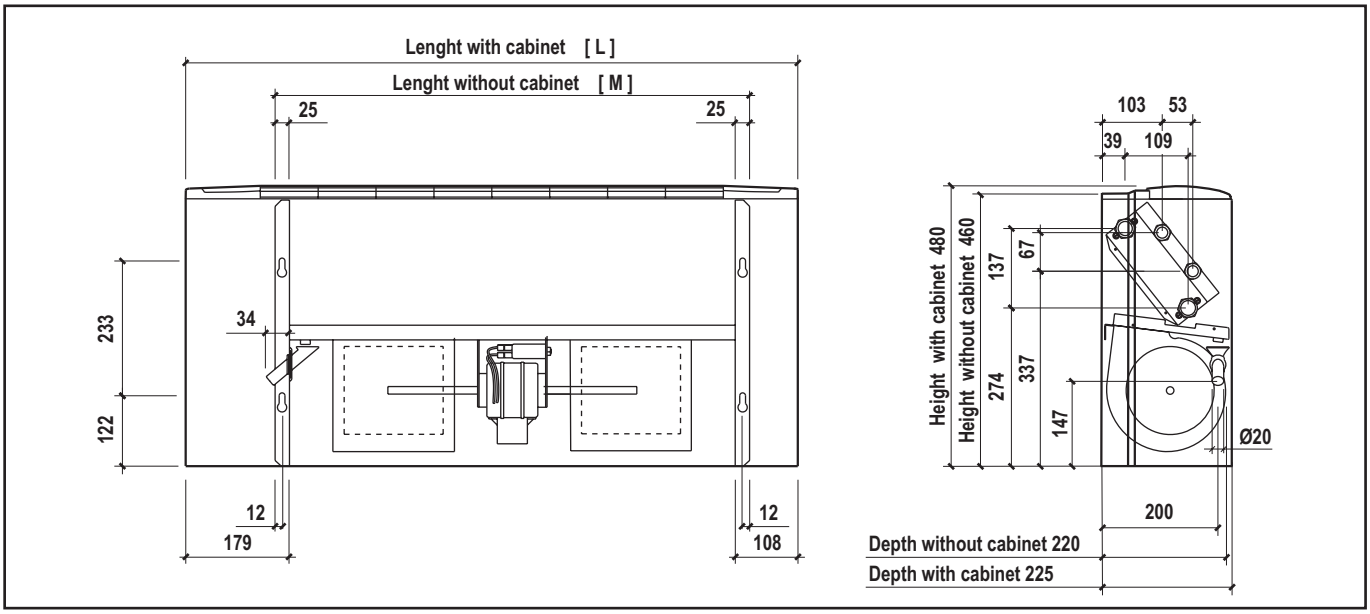
TECHNICAL DATAS

FANCOIL UNIT DIMENSION

FAN COIL UNITS ACCESSORIES

CONTROL PANEL ON BOARD

REMOTE CONTROL



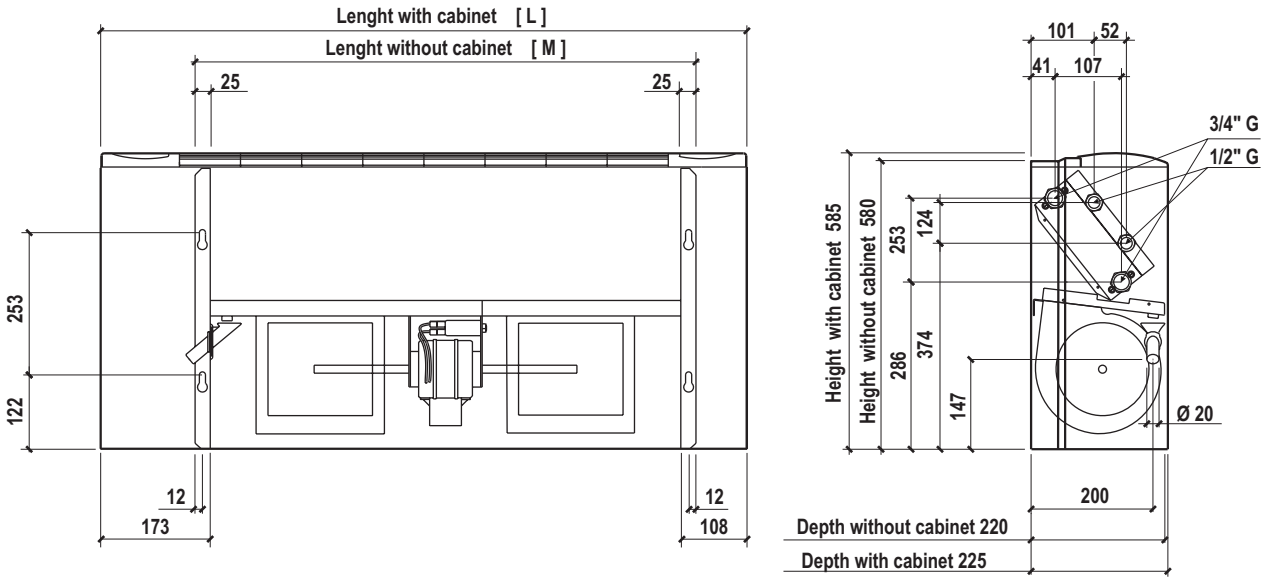
FAN-COIL GENERAL DIMENTIONS FOR 2 PIPE SYSTEM (VCE10-60)

MODEL			VCE10	VCE20	VCE30	VCE40	VCE50	VCE60
	Fans number	n°	1	1	2	2	2	2
	Coils number	n°	1	1	1	1	1	1
Coil used for both cooling and heating	Rows number	n°	3	3	3	3	3	3
	Finned pack length	mm	290	490	690	690	890	890
	Number of pipes for row	n°	8	8	8	8	8	8
	Fin spacing	mm	2,1	2,1	2,5	2,1	2,5	2,1
	Number of feeding circuits	n°	3	3	3	3	3	3
	Shape	mm x mm	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22
	Finned pack depth	mm	66	66	66	66	66	66
	Frontal surface	m2	0,058	0,098	0,138	0,138	0,178	0,178
	Fins total surface	m2	3,278	5,538	6,635	7,798	8,558	10,059
	Water content	litri	0,59	0,93	1,27	1,27	1,61	1,61
	Hydraulic connections (Ø female gas)	Ø	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
General features	Lenght with cabinet	L (mm)	660	860	1060	1060	1260	1260
	Lenght without cabinet	M (mm)	420	620	820	820	1020	1020
	Net weight	kg	14	17	22	23	27	28

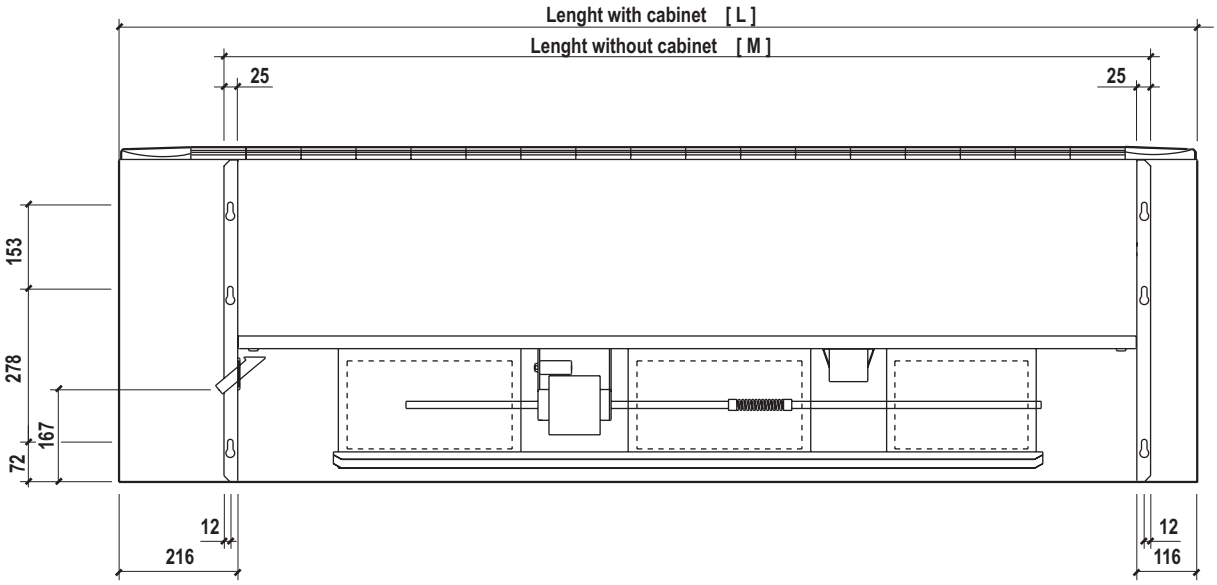
FAN-COIL GENERAL DIMENTIONS FOR 4 PIPE SYSTEM (VCE10-60)

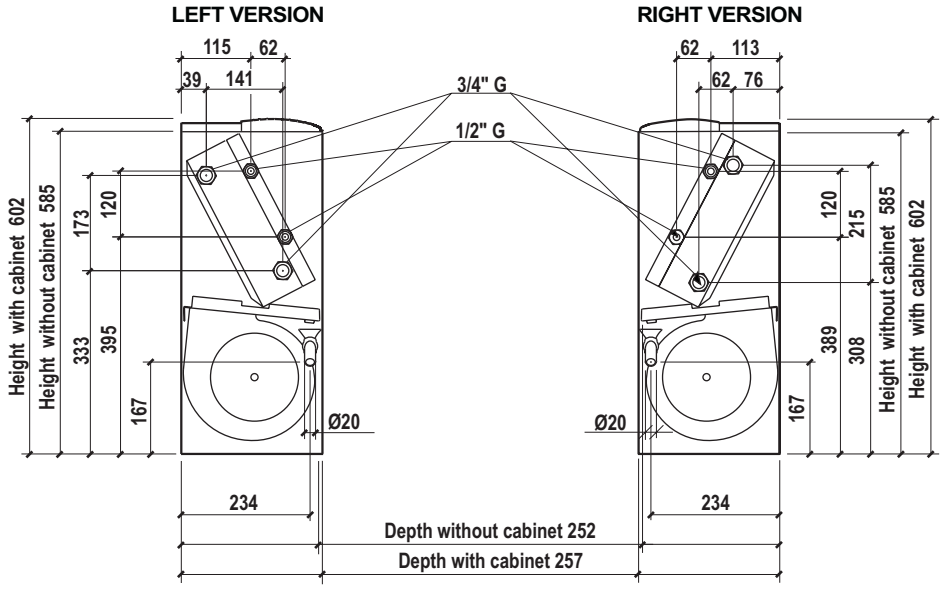
MODELLO			VCE10	VCE20	VCE30	VCE40	VCE50	VCE60
	Fans number	n°	1	1	2	2	2	2
	Coils number	n°	2	2	2	2	2	2
Cooling coil	Rows number	n°	3	3	3	3	3	3
	Finned pack length	mm	290	490	690	690	890	890
	Number of pipes for row	n°	8	8	8	8	8	8
	Fin spacing	mm	2,1	2,1	2,5	2,1	2,5	2,1
	Number of feeding circuits	n°	3	3	3	3	3	3
	Shape	mm x mm	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22
	Finned pack depth	mm	66	66	66	66	66	66
	Frontal surface	m2	0,058	0,098	0,138	0,138	0,178	0,178
	Fins total surface	m2	3,278	5,538	6,635	7,798	8,558	10,059
	Water content	litri	0,59	0,93	1,27	1,27	1,61	1,61
	Hydraulic connections (Ø female gas)	Ø	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Heating coil	Rows number	n°	1	1	1	1	1	1
	Finned pack length	mm	280	480	680	680	880	880
	Number of pipes for row	n°	8	8	8	8	8	8
	Fin spacing	mm	2,1	2,1	2,5	2,1	2,5	2,1
	Number of feeding circuits	n°	1	1	1	1	1	1
	Shape	mm x mm	25 x 25	25 x 25	25 x 25	25 x 25	25 x 25	25 x 25
	Finned pack depth	mm	25	25	25	25	25	25
	Frontal surface	m2	0,056	0,096	0,136	0,136	0,176	0,176
	Fins total surface	m2	1,233	2,115	2,544	2,996	3,292	3,877
	Water content	litri	0,19	0,31	0,42	0,42	0,53	0,53
	Hydraulic connections (Ø female gas)	Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
General features	Lenght with cabinet	L (mm)	660	860	1060	1060	1260	1260
	Lenght without cabinet	M (mm)	420	620	820	820	1020	1020
	Net weight	kg	15	18	23	24	28	29

MODEL VCE 70, 80, 90



MODEL VCE 100, 110, 120





FAN-COIL GENERAL DIMENTIONS FOR 2 PIPE SYSTEM (VCE 70-120)

MODEL			VCE70	VCE80	VCE90	VCE100	VCE110	VCE120
	Fans number	n°	2	2	2	3	3	3
	Coils number	n°	1	1	1	1	1	1
Coil used for both cooling and heating	Rows number	n°	3	3	3	3	3	3
	Finned pack length	mm	890	1.090	1.090	1.225	1.525	1.525
	Number of pipes for row	n°	12	12	12	12	12	12
	Fin spacing	mm	2,5	2,1	2,1	2,1	2,5	2,1
	Number of feeding circuits	n°	3	6	6	6	8	8
	Shape	mm x mm	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22
	Finned pack depth	mm	66	66	66	66	66	66
	Frontal surface	m2	0,267	0,327	0,327	0,368	0,458	0,458
	Fins total surface	m2	15,088	18,479	18,479	20,767	21,996	25,853
	Water content	litri	2,42	2,93	2,93	3,28	4,04	4,04
	Hydraulic connections (Ø female gas)	Ø	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
General features	Lenght with cabinet	L (mm)	1.260	1.460	1.460	1.660	1.960	1.960
	Lenght without cabinet	M (mm)	1.020	1.220	1.220	1.380	1.680	1.680
	Net weight	kg	30	35	36	46	55	57

FAN-COIL GENERAL DIMENTIONS FOR 4 PIPE SYSTEM (VCE70 - 120)

MODEL			VCE70	VCE80	VCE90	VCE100	VCE110	VCE120
	Fans number	n°	2	2	2	3	3	3
	Coils number	n°	2	2	2	2	2	2
Cooling coil	Rows number	n°	3	3	3	3	3	3
	Finned pack length	mm	890	1.090	1.090	1.225	1.525	1.525
	Number of pipes for row	n°	12	12	12	12	12	12
	Fin spacing	mm	2,1	2,5	2,1	2,1	2,5	2,1
	Number of feeding circuits	n°	3	6	6	6	8	8
	Shape	mm x mm	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22	25 x 22
	Finned pack depth	mm	66	66	66	66	66	66
	Frontal surface	m2	0,267	0,327	0,327	0,368	0,458	0,458
	Fins total surface	m2	15,088	18,479	18,479	20,767	21,996	25,853
	Water content	litri	2,42	2,93	2,93	3,28	4,04	4,04
	Hydraulic connections (Ø female gas)	Ø	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Heating coil	Rows number	n°	1	1	1	1	1	1
	Finned pack length	mm	880	1.080	1.080	1.225	1.525	1.525
	Number of pipes for row	n°	12	12	12	12	12	12
	Fin spacing	mm	2,1	2,5	2,1	2,1	2,5	2,1
	Number of feeding circuits	n°	1	1	1	2	3	3
	Shape	mm x mm	25 x 25	25 x 25	25 x 25	25 x 25	25 x 25	25 x 25
	Finned pack depth	mm	25	25	25	25	25	25
	Frontal surface	m2	0,176	0,216	0,216	0,368	0,458	0,458
	Fins total surface	m2	3,877	9,515	9,515	8,095	8,558	10,077
	Water content	litri	0,53	1,29	1,29	1,09	1,35	1,35
	Hydraulic connections (Ø female gas)	Ø	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
General features	Lenght with cabinet	L (mm)	1.260	1.460	1.460	1.660	1.960	1.960
	Lenght without cabinet	M (mm)	1.020	1.220	1.220	1.380	1.680	1.680
	Net weight	kg	32	38	39	49	58	60

TECHNICAL DATA

MODEL SPEEDS SET IN THE FACTORY				10 2° 4° 5°	20 2° 3° 4°	30 2° 3° 4°	40 2° 3° 5°	50 1° 3° 4°	60 2° 4° 5°	70 3° 4° 5°	80 1° 2° 3°	90 1° 3° 5°	100 2° 3° 5°	110 2° 3° 5°	120 2° 4° 5°
2 pipe system (3R coil)															
COOLING Inlet water temperature: 7 °C Outlet water temperature: 12°C Inlet air temperature: 27°C d.b.-19°C w.b.	Total cooling capacity	W	max	860	1.280	2.170	2.530	3.110	3.850	4.330	5.590	6.900	7.970	10.010	11.010
		W	med	790	1.170	1.940	2.030	2.790	3.410	3.710	5.170	5.960	6.830	7.690	9.380
		W	min	670	1.080	1.450	1.530	2.200	2.720	3.250	4.480	4.830	6.240	6.020	6.910
	Sensible cooling capacity	W	max	740	1.020	1.760	2.170	2.180	3.080	3.150	3.960	4.820	6.060	7.910	8.470
		W	med	650	900	1.570	1.710	1.930	2.680	2.670	3.620	4.110	5.120	5.920	7.120
		W	min	510	810	1.200	1.310	1.500	2.120	2.300	3.130	3.290	4.620	4.580	5.110
	Water flow	l/h	max	148	220	373	435	535	662	745	961	1187	1.376	1.727	1.898
	Water pressure loss	kPa	max	0,9	2	6,3	8,8	16,1	25,9	37,6	27,9	19,1	26,6	21,5	26,8
HEATING Air temperature: 20°C Inlet water temperature: 50°C	Heating capacity	W	max	1.250	1.870	2.590	3.280	3.660	4.480	5.140	6.690	8.130	10.060	13.080	14.140
		W	med	1.100	1.650	2.330	2.640	3.270	3.940	4.370	6.180	6.980	8.540	9.930	11.930
		W	min	850	1.470	1.870	2.110	2.570	3.120	3.790	5.360	5.620	7.770	7.750	8.670
	Water flow	l/h	max	148	220	373	435	535	662	745	961	1187	1.376	1.727	1.898
	Water pressure loss	kPa	max	0,7	1,4	4,9	7,5	13,7	22	34,7	23,7	17,6	23,3	18,8	21,8
HEATING Air temperature: 20°C Inlet water temperature: 70/60°C	Heating capacity	W	max	2.160	3.230	4.380	5.530	6.150	7.510	8.560	11.260	13.660	16.860	22.020	23.750
		W	med	1.660	2.840	3.950	4.460	5.500	6.610	7.270	10.400	11.710	14.300	16.690	20.010
		W	min	1.450	2.510	3.200	3.570	4.320	5.230	6.290	9.020	9.420	13.010	13.020	14.520
	Water flow	l/h	max	186	278	377	475	529	646	736	968	1.175	1.450	1.893	2.043
	Water pressure loss	kPa	max	1,0	2,0	4,5	8,1	12,1	19,0	30,7	21,8	15,6	23,5	20,5	22,9
FURTHER DATA	Electric heater capacity	W	-	600	1.000	1.000	1.000	2.000	2.000	2.000	3.000	3.000	3.000	4.000	4.000
		A	-	2,61	4,35	4,35	4,35	8,7	8,7	8,7	13,04	13,04	13,04	17,39	17,39
	Air flow	m^3/h	max	227	289	404	453	575	685	708	1.058	1.242	1.356	2.012	2.003
		m^3/h	med	189	244	352	344	495	578	578	950	1.014	1.093	1.370	1.590
		m^3/h	min	136	209	269	262	362	429	486	788	770	969	989	1.056
	Sound power level	dB(A)	max	46	45	44	47	47	52	52	58	64	63	67	66
		dB(A)	med	41	41	41	40	43	47	46	56	58	57	58	61
		dB(A)	min	33	37	34	33	37	38	42	51	51	55	50	51
	Sound pressure level	dB(A)	max	37,4	36,4	35,4	38,4	38,4	43,4	43,4	49,4	55,4	54,4	58,4	57,4
		dB(A)	med	32,4	32,4	32,4	31,4	34,4	38,4	37,4	47,4	49,4	48,4	49,4	52,4
		dB(A)	min	24,4	28,4	25,4	24,4	28,4	29,4	33,4	42,4	42,4	46,4	41,4	42,4
	Power input	W	max	30	30	40	50	60	80	70	160	180	213	277	273
	Absorbet current	A	max	0,18	0,25	0,28	0,28	0,45	0,45	0,44	0,96	0,95	0,97	1,27	1,25
	Water content	L	-	0,59	0,93	1,27	1,27	1,61	1,61	2,42	2,93	2,93	3,28	4,04	4,04
4 pipe system (3R+1R coil)															
COOLING Inlet water temperature: 7 °C Outlet water temperature: 12°C Inlet air temperature: 27°C d.b.-19°C w.b.	Total cooling capacity	W	max	840	1.230	2.080	2.380	2.960	3.690	4.470	5.350	6.570	7.710	9.700	10.650
		W	med	770	1.130	1.850	1.900	2.660	3.260	3.830	4.950	5.660	6.590	7.430	9.060
		W	min	650	1.040	1.380	1.440	2.100	2.610	3.350	4.280	4.580	6.050	5.790	6.650
	Sensible cooling capacity	W	max	710	1.120	1.690	1.930	2.490	2.910	3.340	4.110	5.260	5.860	7.660	8.200
		W	med	630	990	1.510	1.520	2.200	2.540	2.830	3.760	4.470	4.940	5.720	6.890
		W	min	500	890	1.150	1.160	1.720	2.000	2.440	3.260	3.570	4.470	4.400	4.920
	Water flow	l/h	max	144	212	358	409	509	635	769	920	1130	1.330	1.673	1.837
	Water pressure loss	kPa	max	0,6	2,0	5,7	8,2	10,7	20,0	49,8	11,6	37,8	24,9	21,7	25,1
HEATING Air temperature: 20°C Inlet water temperature: 70/60°C	Heating capacity	W	max	1.260	1.890	2.730	2.890	3.490	4.140	5.040	5.410	6.720	8.380	10.110	11.430
		W	med	1.110	1.670	2.450	2.330	3.120	3.750	4.290	5.090	5.970	7.390	8.160	10.020
		W	min	860	1.490	1.970	1.860	2.450	3.150	3.710	4.560	5.060	6.900	6.750	9.410
	Water flow	l/h	max	108	163	235	249	300	356	433	465	578	739	891	1.008
	Water pressure loss	kPa	max	2,1	5,7	13,9	16,4	27,9	35,1	61,5	14,0	20,9	48,4	27,0	34,0
FURTHER DATA	Air flow	m^3/h	max	216	275	384	430	546	651	673	1.005	1.180	1.291	1.916	1.908
		m^3/h	med	179	232	336	329	479	552	555	904	970	1.041	1.305	1.514
		m^3/h	min	129	199	258	255	355	412	467	750	742	928	942	1.006
	Sound power level	dB(A)	max	45	47	44	47	46	53	53	59	65	63	67	67
		dB(A)	med	40	43	40	41	42	48	47	57	59	58	58	62
		dB(A)	min	34	39	34	35	35	41	43	51	51	55	51	52
	Sound pressure level	dB(A)	max	36,4	38,4	35,4	38,4	37,4	44,4	44,4	50,4	56,4	54,4	58,4	58,4
		dB(A)	med	31,4	34,4	31,4	32,4	33,4	39,4	38,4	48,4	50,4	49,4	49,4	53,4
		dB(A)	min	25,4	30,4	25,4	26,4	26,4	32,4	34,4	42,4	42,4	46,4	42,4	43,4
	Power input	W	max	30	30	40	50	60	80	70	160	180	213	277	273
	Absorbet current	A	max	0,18	0,25	0,28	0,28	0,45	0,45	0,44	0,96	0,95	0,97	1,27	1,25
	Water content (cooling)	L	-	0,59	0,93	1,27	1,27	1,61	1,61	2,42	2,93	2,93	3,28	4,04	4,04
	Water content (heating)	L	-	0,19	0,31	0,42	0,42	0,53	0,53	0,53	1,29	1,29	1,09	1,35	1,35

- **Standard unit with free outlet** (external static pressure= 0 Pa); **Sound power level:** ISO 23741; **Sound pressure level**: 8,6 dB(A) lower than the sound power level

WORK LIMITS

Maximum input water temperature	80 °C
Minimum input water temperature	+ 4 °C
Maximum working pressure	8 bar

Maximum input air temperature	32 °C
Minimum input air temperature	+ 4 °C

Water flow and pressure drop limits, 3R coil

Data concern medium water temperature of 9,5°C		MODEL											
		VCE10	VCE20	VCE30	VCE40	VCE50	VCE60	VCE70	VCE80	VCE90	VCE100	VCE110	VCE120
Minimum water flow	l/h	125	100	100	100	100	100	75	125	125	200	275	275
Minimum water pressure drop	kPa	0,6	0,4	0,5	0,5	0,6	0,6	0,5	0,5	0,5	0,6	0,5	0,6
Maximum water flow	l/h	1.275	1.200	1.125	1.150	1.025	1.000	850	1.400	1.400	2.075	2.900	2.850
Maximum water pressure drop	kPa	58,6	59,5	59,6	61,2	59,2	59,0	62,0	59,1	60,1	60,6	60,6	60,4

Water flow and pressure drop limits, 1R coil

Data concern medium water temperature of 65°C		MODEL											
		VCE10	VCE20	VCE30	VCE40	VCE50	VCE60	VCE70	VCE80	VCE90	VCE100	VCE110	VCE120
Minimum water flow	l/h	150	150	125	125	125	125	125	100	100	125	125	125
Minimum water pressure drop	kPa	0,6	0,6	0,5	0,5	0,6	0,5	0,6	0,6	0,5	0,5	0,5	0,5
Maximum water flow	l/h	1.550	1.500	1.400	1.375	1.275	1.350	1.225	1.100	1.100	1.375	1.325	1.325
Maximum water pressure drop	kPa	60,7	59,3	60,3	61,0	61,0	60,4	59,5	59,0	60,1	59,6	59,7	58,8

3 way valves

Using of 2 or 3 way valves is compulsory when the unit is used for cooling to avoid condensate in the external structure (bearing structure and cabinet). As alternative install a regulating system to stop coil water entering when the fan is off.

Maximal fan static pressure

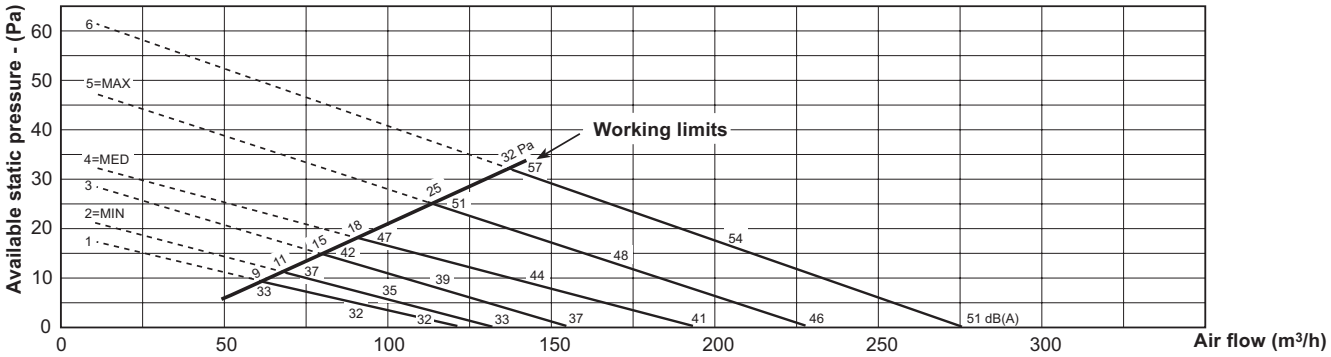
When the unit is connected with ducts fan air flow is reduced due to the ducting pressure drops.
With very high pressure drops fancoil air flow becomes too low and electric motor which is connected to the fan can be damaged. For this reason we recomand static pressures lower than the maximal limit static pressures indicated in the schedule.
NOTE: when the fancoil is operating with the maximal operating indicated static pressure value, air flow is half in comparison with the unit without ducts at the same working speed.
Definitively the static pressure limit value corresponds to the back pressure ables to halve fancoil air flow (as a consequence the fancoil unit performances like heating & cooling capacity, will be reduced of about 50%).

			MODELLO											
			VCE10	VCE20	VCE30	VCE40	VCE50	VCE60	VCE70	VCE80	VCE90	VCE100	VCE110	VCE120
2 pipe system	Pa	1	9	12	7	9	**19** min	12	15	41 min	33 min	44	37	47
	Pa	2	**11** min	**15** min	**10** min	**11** min	22	**16** min	19	51 med	41	49 min	47 min	58 min
	Pa	3	15	**19** med	**15** med	**17** med	**28** med	22	26 min	55 max	45 med	62 med	68 med	74
	Pa	4	**18** med	**25** max	**19** max	22	**32** max	**28** med	34 med	60	49	68	76	80 med
	Pa	5	**25** max	32	25	**27** max	40	**36** max	44 max	65	53 max	75 max	84 max	84 max
	Pa	6	32	40	32	37	49	45	54	70	60	84		
4 pipe system	Pa	1	8	10	6	8	**14** min	10	11	30 min	27 min	43	37	47
	Pa	2	**9** min	**12** min	**8** min	**9** min	17	**13** min	15	38 med	33	48 min	47 min	58 min
	Pa	3	11	**15** med	**13** med	**14** med	**21** med	18	20 min	42 max	37 med	61 med	67 med	73
	Pa	4	**15** med	**19** max	**15** max	17	**25** max	**22** med	28 med	50	40	67	75	79 med
	Pa	5	**19** max	25	19	**22** max	32	**28** max	36 max	55	44 max	74 max	83 max	82 max
	Pa	6	25	32	24	30	38	35	44	60	51	82		

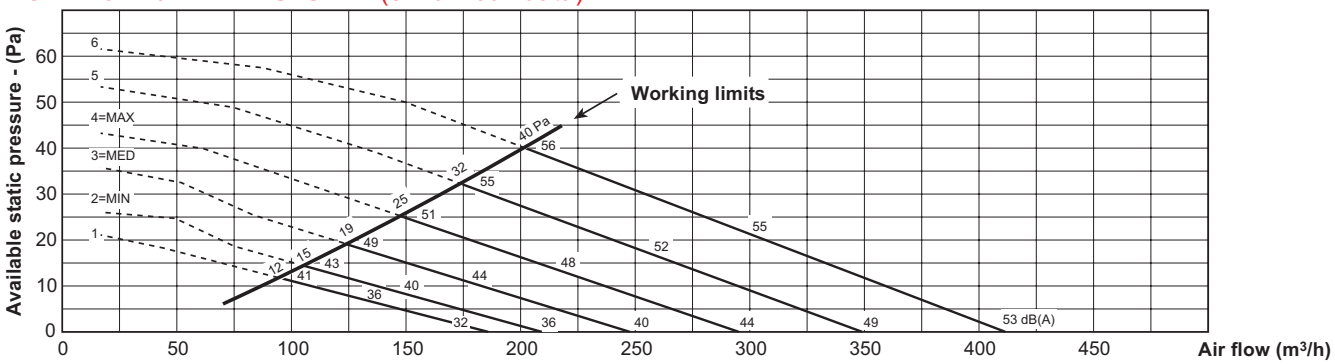
Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

AERAULIC PERFORMANCES

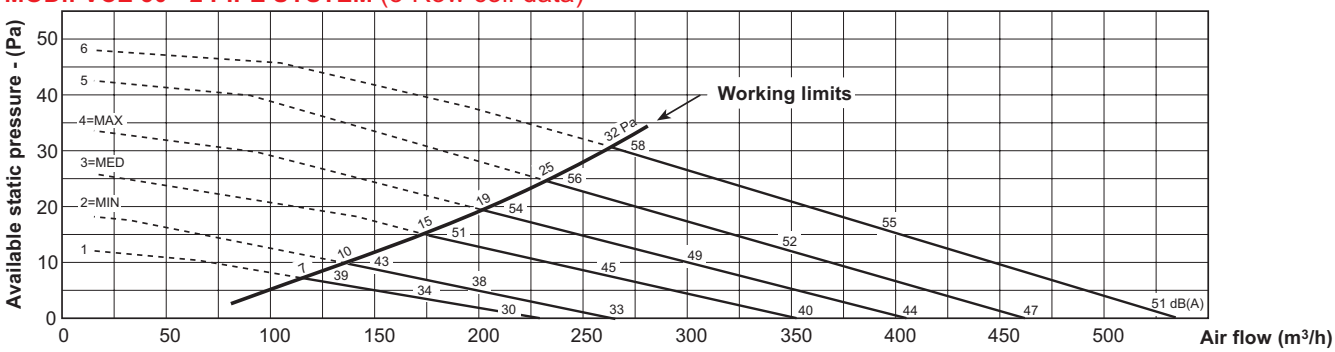
MOD.: VCE 10 - 2 PIPE SYSTEM (3 Row coil data)



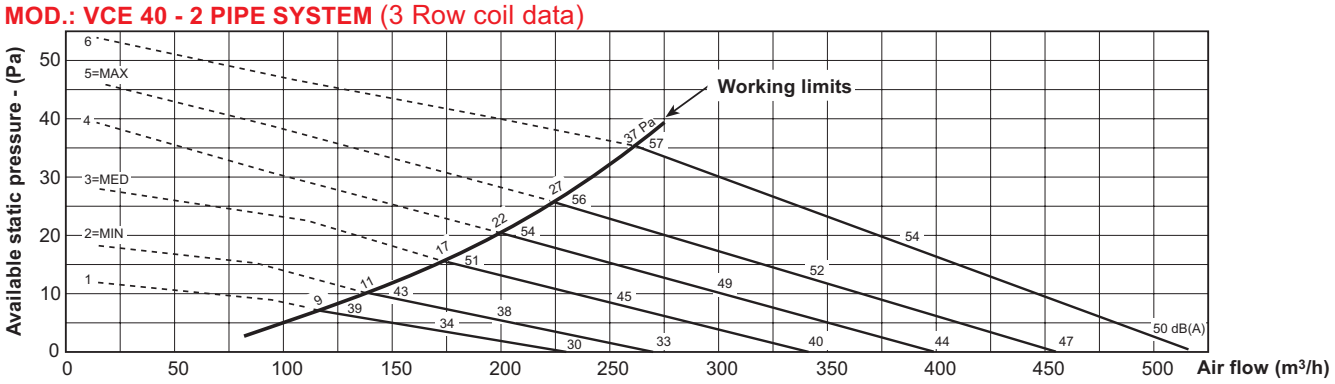
MOD.: VCE 20 - 2 PIPE SYSTEM (3 Row coil data)



MOD.: VCE 30 - 2 PIPE SYSTEM (3 Row coil data)



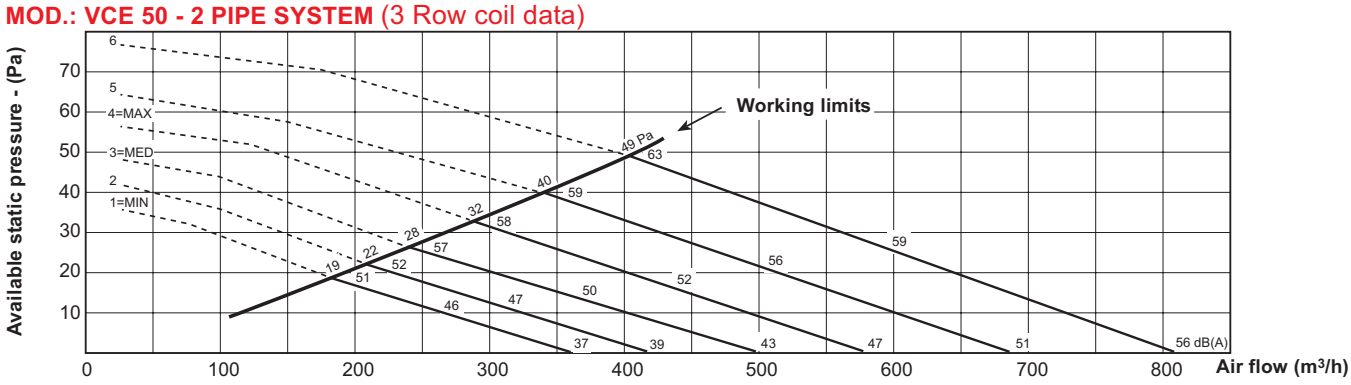
MOD.: VCE 40 - 2 PIPE SYSTEM (3 Row coil data)



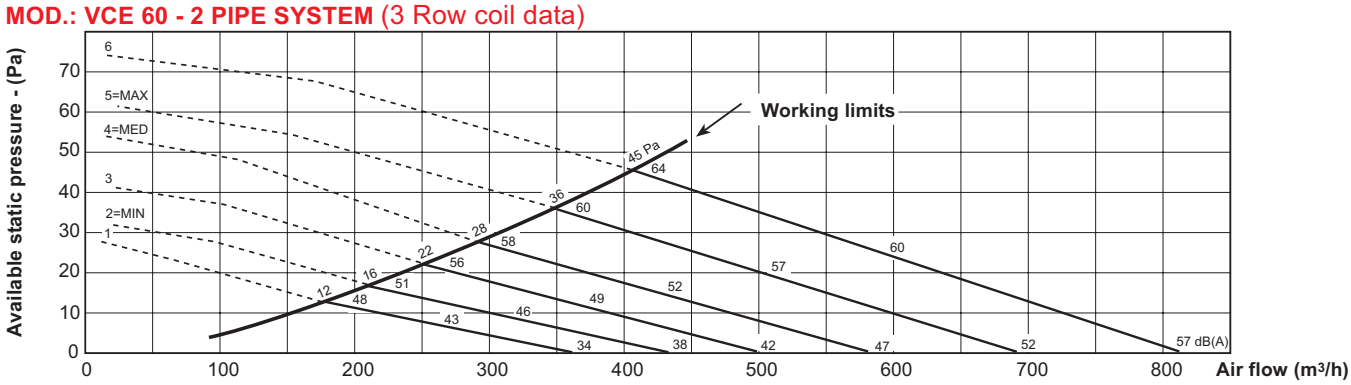
Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

AERAULIC PERFORMANCES

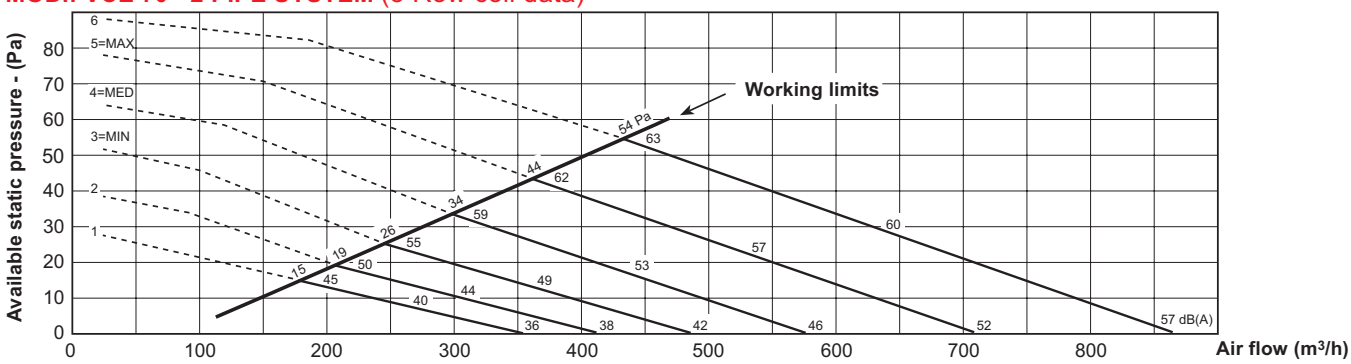
MOD.: VCE 50 - 2 PIPE SYSTEM (3 Row coil data)



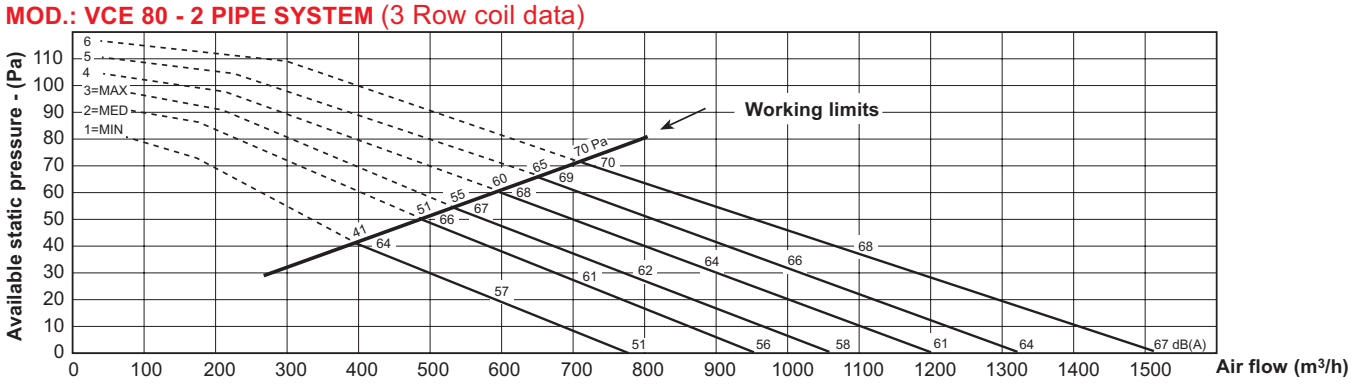
MOD.: VCE 60 - 2 PIPE SYSTEM (3 Row coil data)



MOD.: VCE 70 - 2 PIPE SYSTEM (3 Row coil data)



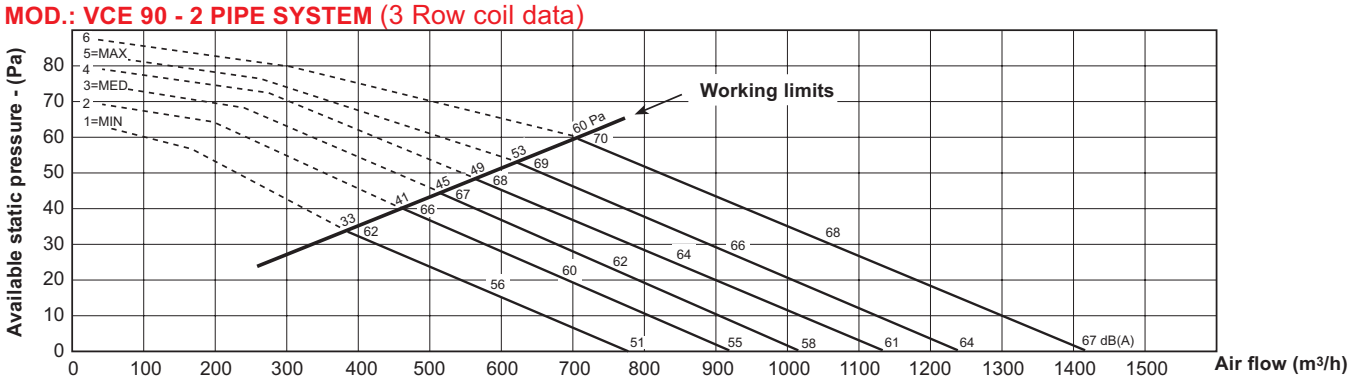
MOD.: VCE 80 - 2 PIPE SYSTEM (3 Row coil data)



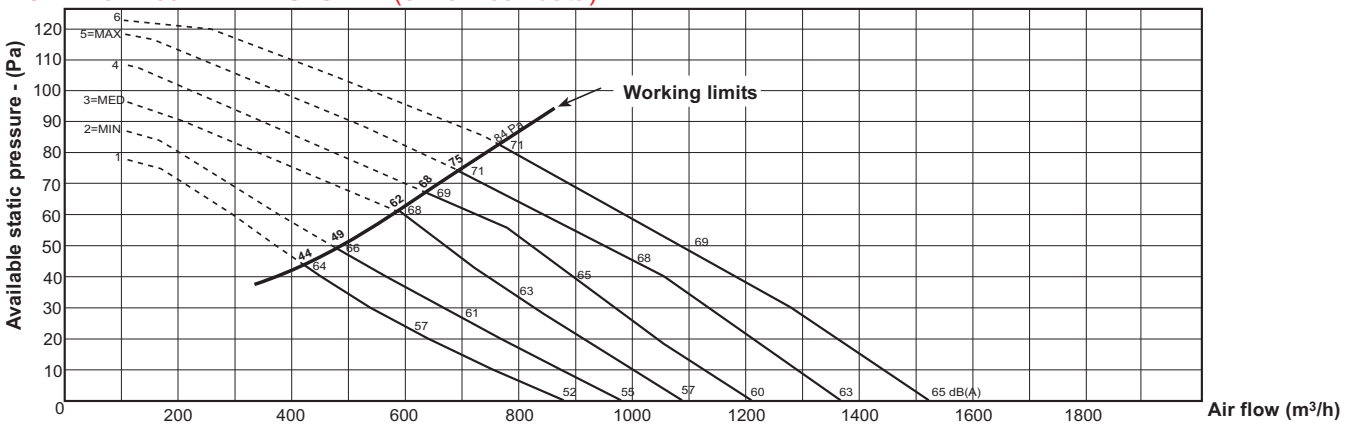
Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

AERAULIC PERFORMANCES

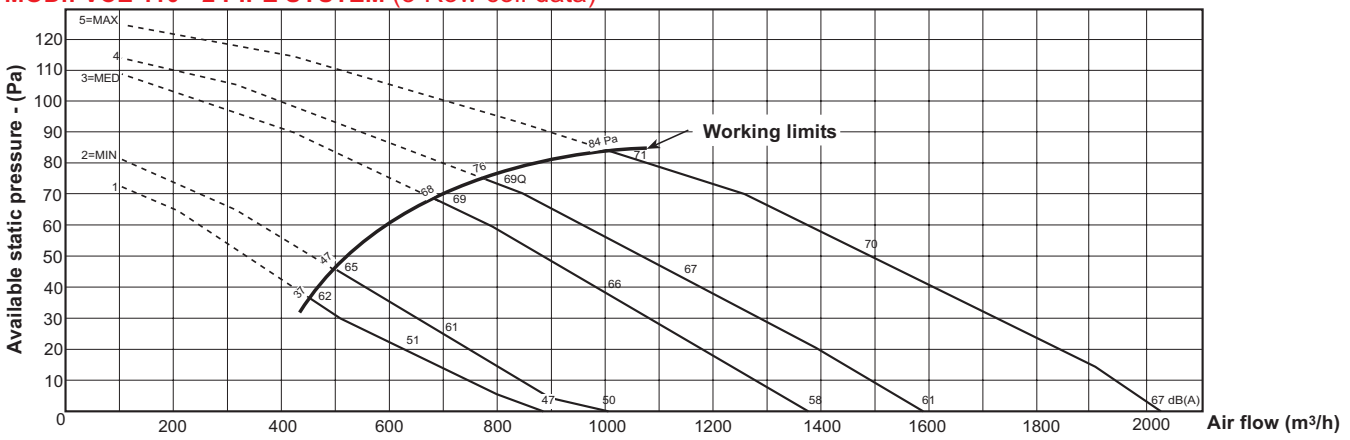
MOD.: VCE 90 - 2 PIPE SYSTEM (3 Row coil data)



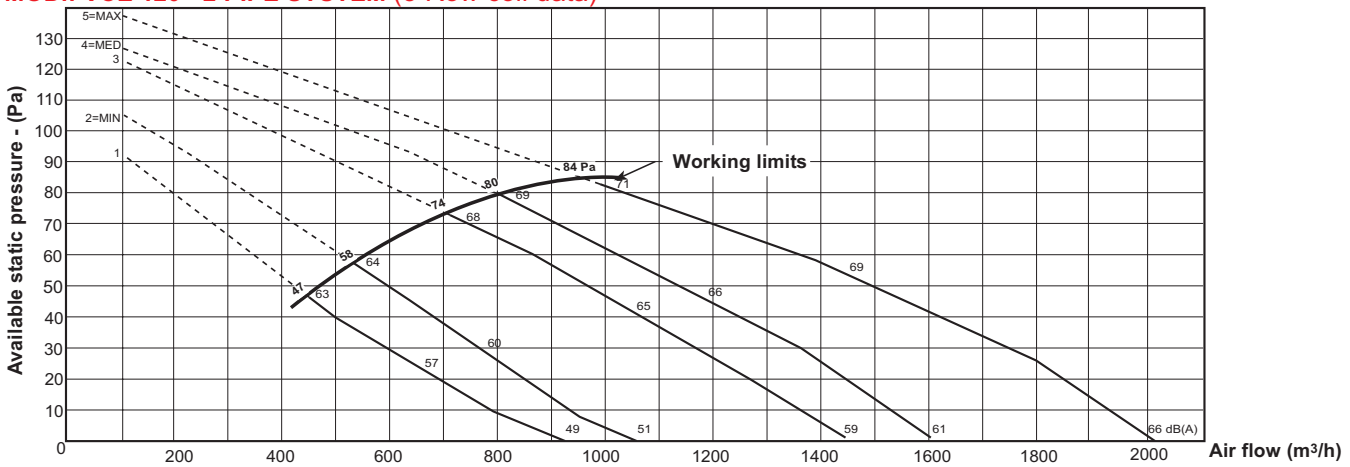
MOD.: VCE 100 - 2 PIPE SYSTEM (3 Row coil data)



MOD.: VCE 110 - 2 PIPE SYSTEM (3 Row coil data)



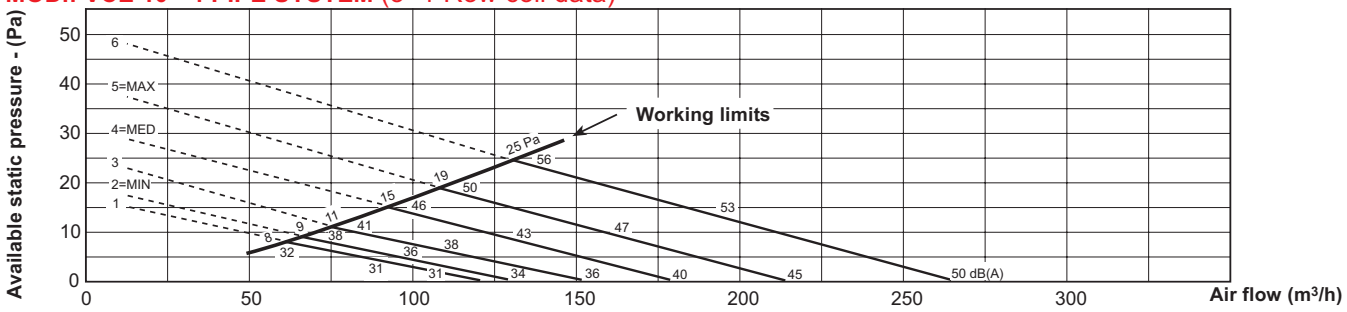
MOD.: VCE 120 - 2 PIPE SYSTEM (3 Row coil data)



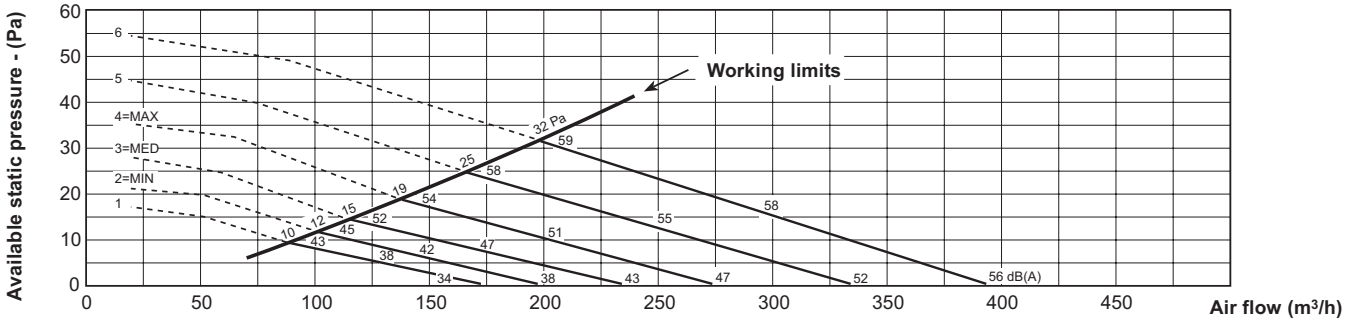
Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

AERAULIC PERFORMANCES

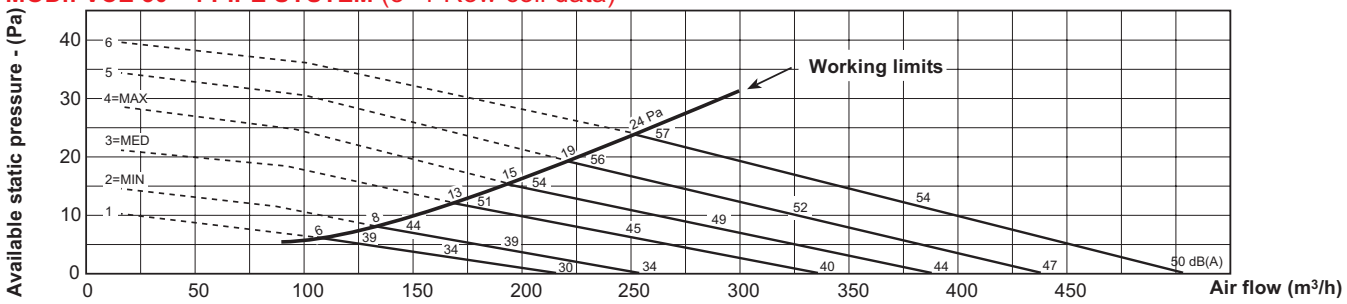
MOD.: VCE 10 - 4 PIPE SYSTEM (3+1 Row coil data)



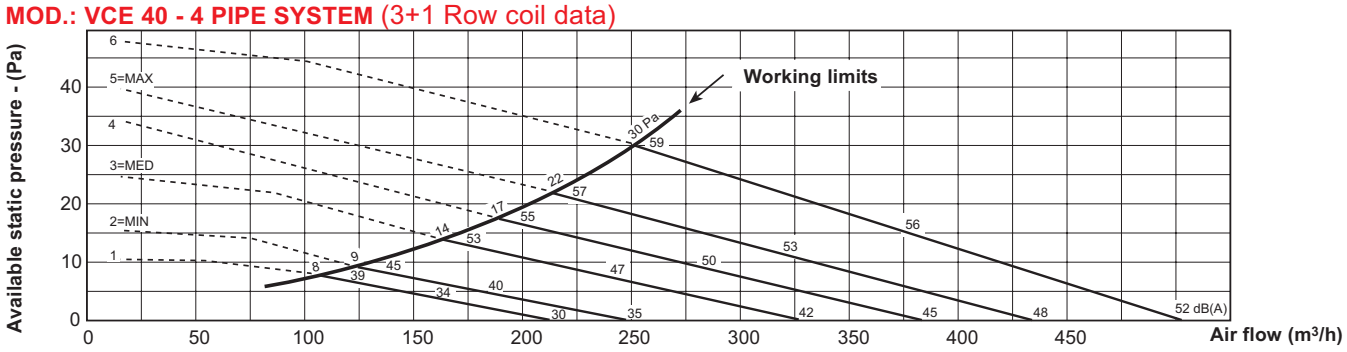
MOD.: VCE 20 - 4 PIPE SYSTEM (3+1 Row coil data)



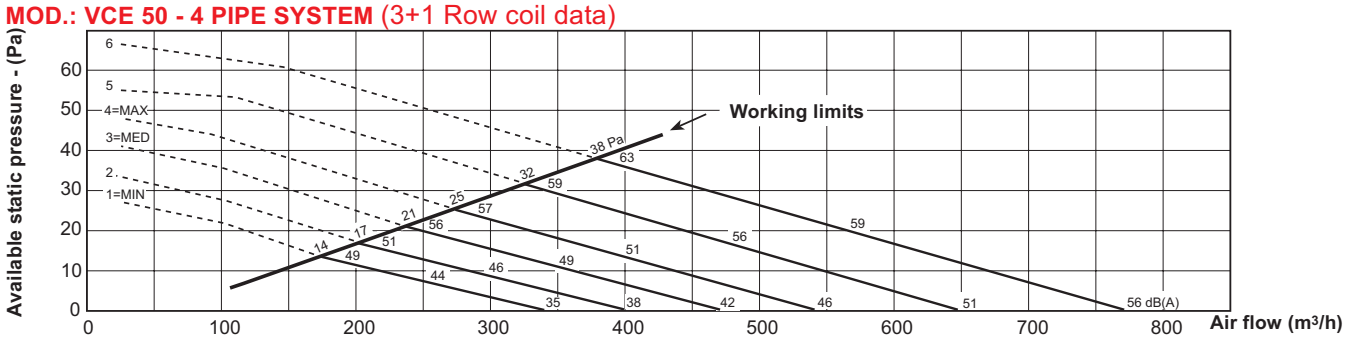
MOD.: VCE 30 - 4 PIPE SYSTEM (3+1 Row coil data)



MOD.: VCE 40 - 4 PIPE SYSTEM (3+1 Row coil data)



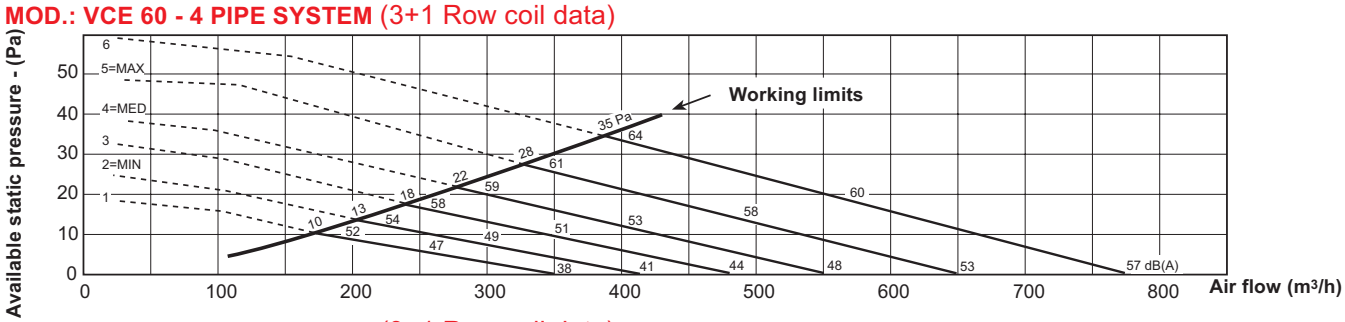
MOD.: VCE 50 - 4 PIPE SYSTEM (3+1 Row coil data)



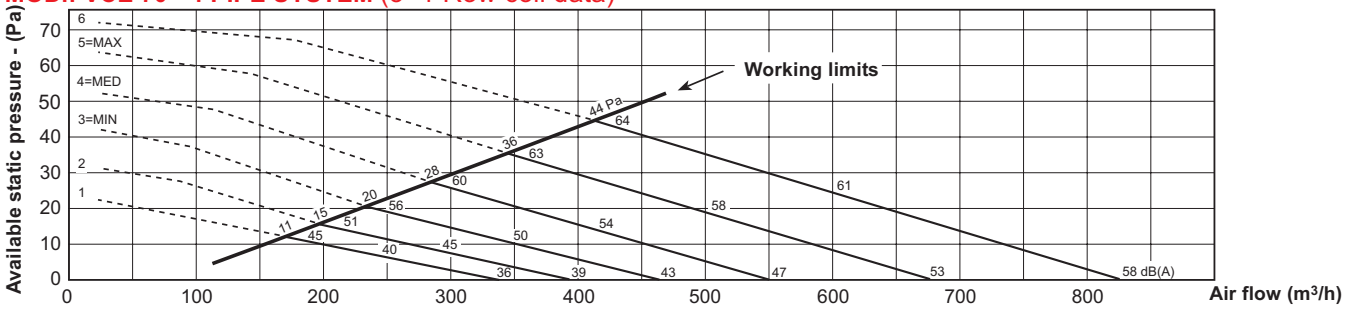
Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

AERAULIC PERFORMANCES

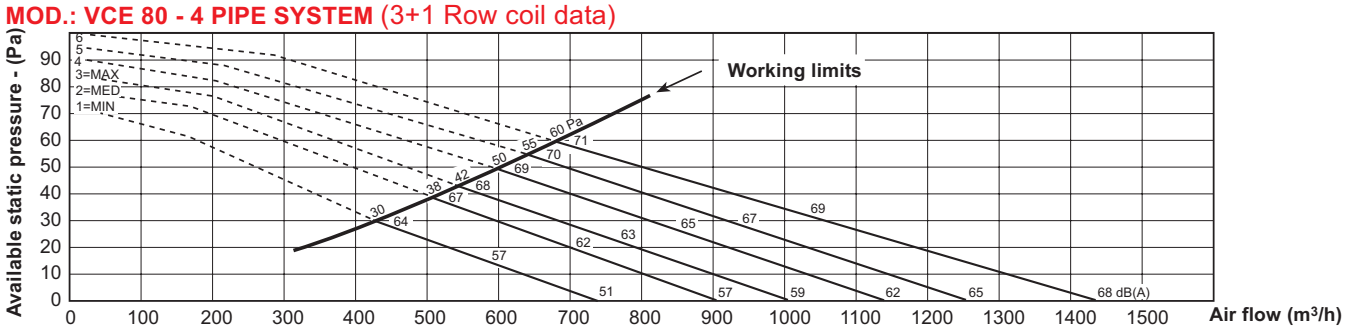
MOD.: VCE 60 - 4 PIPE SYSTEM (3+1 Row coil data)



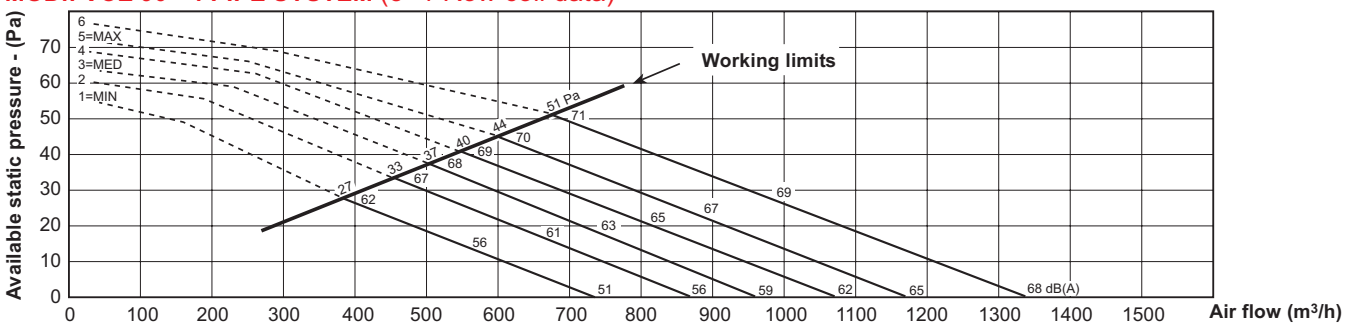
MOD.: VCE 70 - 4 PIPE SYSTEM (3+1 Row coil data)



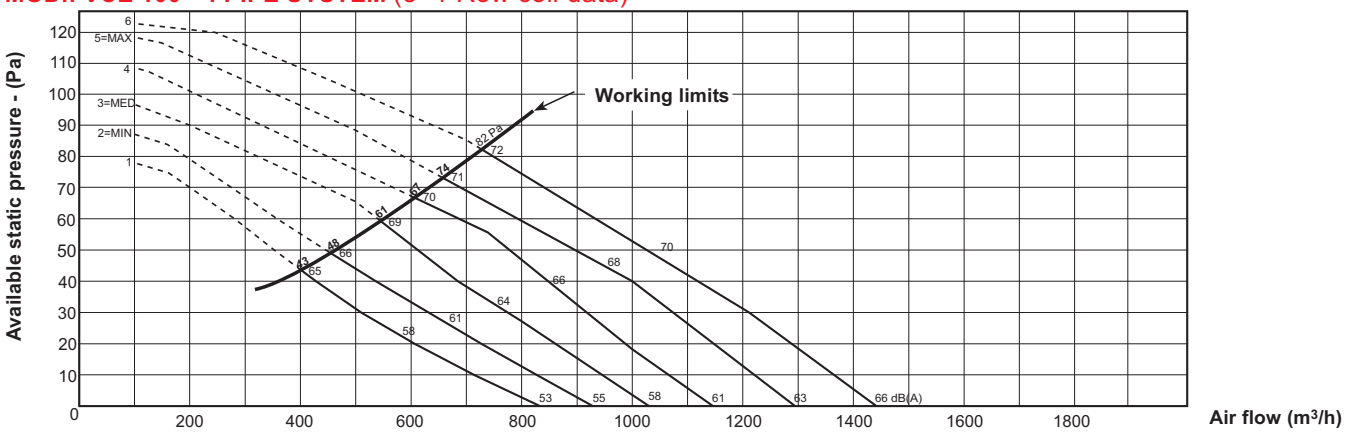
MOD.: VCE 80 - 4 PIPE SYSTEM (3+1 Row coil data)



MOD.: VCE 90 - 4 PIPE SYSTEM (3+1 Row coil data)



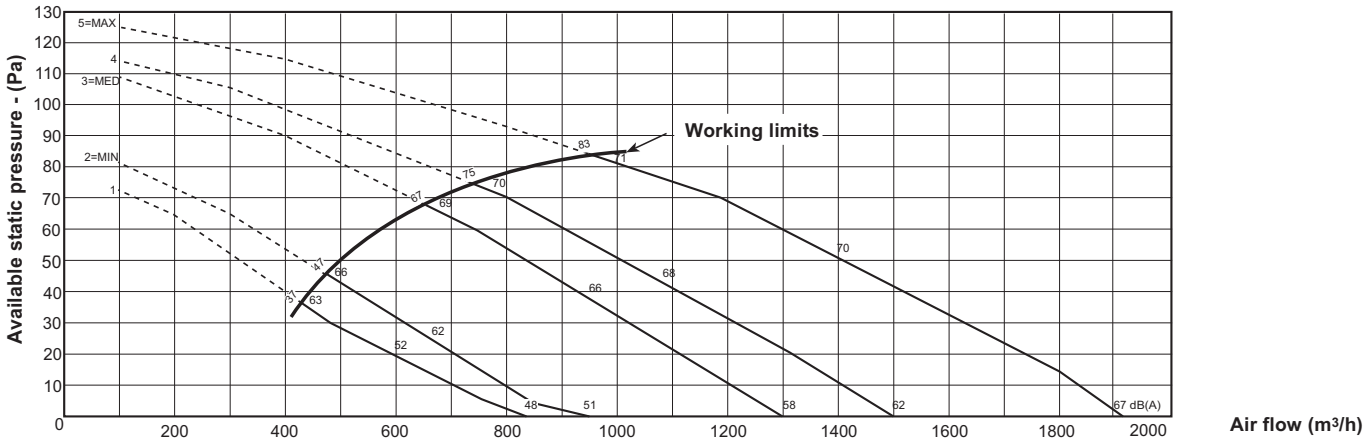
MOD.: VCE 100 - 4 PIPE SYSTEM (3+1 Row coil data)



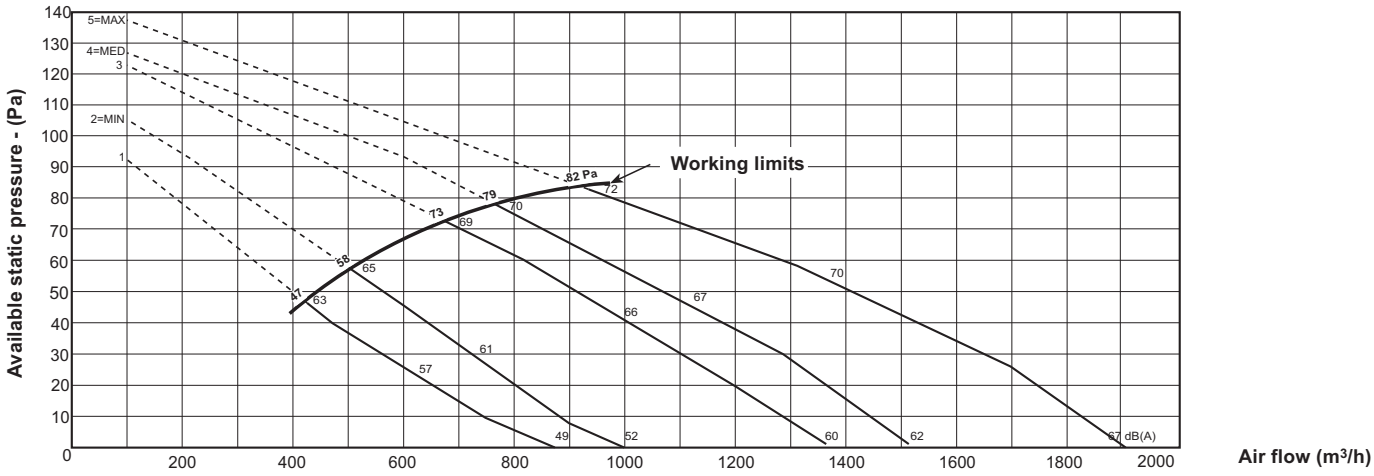
Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

AERAULIC PERFORMANCES

MOD.: VCE 110 - 4 PIPE SYSTEM (3+1 Row coil data)



MOD.: VCE 120 - 4 PIPE SYSTEM (3+1 Row coil data)



Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

SOUND POWER SPECTRUM - 2 PIPE SYSTEM

Model	Speed	Standard electric wiring	Frequence spectrum - ref. octave band (Hz)							Total sound power dB(A)
			125	250	500	1000	2000	4000	8000	
VCE10	1		33,7	32,7	32,2	24	21,4	14,5	5,6	32
	2	**Min**	**33**	**34,7**	**32,7**	**25,9**	**22,5**	**14,8**	**5,8**	**33**
	3		36	37,6	37,1	30,6	25	17,6	6,9	37
	4	**Med**	**37,9**	**41**	**41**	**35,4**	**29,5**	**21,1**	**8,8**	**41**
	5	**Max**	**42,1**	**45,1**	**45,5**	**40,8**	**35,6**	**27,7**	**16,1**	**46**
	6		46,6	49,4	50,2	45,9	41,9	34,8	24,5	51
VCE20	1		29,2	34,8	31,9	23,5	19,6	14,7	10,1	32
	2	**Min**	**33,1**	**37,8**	**36**	**28,8**	**23,7**	**17**	**11,5**	**36**
	3	**Med**	**36,9**	**40,9**	**40**	**33,6**	**28,5**	**20,9**	**13,7**	**40**
	4	**Max**	**40,2**	**43,9**	**43,9**	**38**	**33,5**	**25,2**	**16,9**	**44**
	5		44,7	48,3	48,7	43	39,8	32,2	25,2	49
	6		48,8	51,9	51,9	46,9	45,6	37,7	29,9	53
VCE30	1		31,4	33,4	28,6	20,7	21,6	13,6	13	30
	2	**Min**	**32,7**	**35,5**	**32,7**	**25**	**22,1**	**14**	**12,3**	**33**
	3	**Med**	**38,2**	**40,9**	**39,8**	**34,3**	**27,8**	**18,3**	**13,8**	**40**
	4	**Max**	**41,8**	**44,1**	**43,5**	**38,9**	**32,4**	**23,3**	**16,5**	**44**
	5		44,5	46,5	46,2	42,2	36	28,1	19,3	47
	6		48,2	50,2	50,1	46,2	40,7	34	26,8	51
VCE40	1		31,4	33,4	28,6	20,7	21,6	13,6	13	30
	2	**Min**	**32,7**	**35,5**	**32,7**	**25**	**22,1**	**14**	**12,3**	**33**
	3	**Med**	**38,2**	**40,9**	**39,8**	**34,3**	**27,8**	**18,3**	**13,8**	**40**
	4		41,8	44,1	43,5	38,9	32,4	23,3	16,5	44
	5	**Max**	**44,5**	**46,5**	**46,2**	**42,2**	**36**	**28,1**	**19,3**	**47**
	6		48,2	50,2	50,1	46,2	40,7	34	26,8	50
VCE50	**1**	**Min**	**35,3**	**39,2**	**35,5**	**26,3**	**29,2**	**25,1**	**23,9**	**37**
	2		37,6	41	38,6	29,9	29,2	25	24,3	39
	3	**Med**	**41,5**	**44,8**	**42,9**	**35,3**	**31,3**	**26**	**24,8**	**43**
	4	**Max**	**45,1**	**48**	**47**	**40,6**	**35,2**	**28**	**25,2**	**47**
	5		49	51,2	50,8	45,2	39,9	32,5	28,6	51
	6		53,4	55,6	55,3	50,4	46,3	39,5	31,7	56
VCE60	1		32,3	36,2	32,5	23,3	26,2	22,1	20,9	34
	2	**Min**	**36,6**	**40**	**37,6**	**28,9**	**28,2**	**24**	**23,3**	**38**
	3		40,5	43,8	41,9	34,3	30,3	25	23,8	42
	4	**Med**	**45,1**	**48**	**47**	**40,6**	**35,2**	**28**	**25,2**	**47**
	5	**Max**	**50**	**52,2**	**51,8**	**46,2**	**40,9**	**33,5**	**29,6**	**52**
	6		54,4	56,6	56,3	51,4	47,3	40,5	32,7	57
VCE70	1		34,5	37,2	33,1	26,2	25,3	22,5	19,6	36
	2		35,4	40,3	37,1	29,7	27,5	24,2	21,6	38
	3	**Min**	**39,7**	**43,3**	**41,4**	**34,5**	**31,2**	**26,1**	**22,3**	**42**
	4	**Med**	**43,1**	**46,9**	**46**	**39,8**	**36,3**	**28,3**	**24,8**	**46**
	5	**Max**	**48,5**	**51,3**	**51,3**	**45,6**	**42,4**	**34,5**	**27**	**52**
	6		53,2	56,2	55,8	51,1	48,6	41,8	32,9	57
VCE80	**1**	**Min**	**47,6**	**50,7**	**50,3**	**45,1**	**41,8**	**36**	**29**	**51**
	2	**Med**	**52,3**	**55**	**55,2**	**50,2**	**47,3**	**41,9**	**34,3**	**56**
	3	**Max**	**53,9**	**56,9**	**56,8**	**52,3**	**49,7**	**44,6**	**37,5**	**58**
	4		56,3	59,7	59,5	55,4	53	48,4	42,2	61
	5		59,5	62,6	62,1	58,3	56,1	51,8	46,3	64
	6		62,5	65,7	64,9	61,4	59,3	55,4	50,7	67
VCE90	**1**	**Min**	**48**	**50,1**	**50,7**	**45**	**41,3**	**36,2**	**29,8**	**51**
	2		50,7	53,4	54,5	49,1	45,8	40,6	33,4	55
	3	**Med**	**53,4**	**56,2**	**57**	**52,4**	**49,4**	**44,6**	**37,6**	**58**
	4		55,9	59,1	59,6	55,4	52,7	48,2	42,1	61
	5	**Max**	**58,8**	**61,9**	**62,4**	**58,4**	**55,9**	**51,7**	**46,4**	**64**
	6		61,3	65	65	61,6	59,2	55,3	50,8	67
VCE100	1		52,3	53,5	50,8	46,7	40,6	31,9	28,3	52
	2	**Min**	**54,7**	**56,2**	**53,8**	**50,1**	**44,1**	**35,3**	**28,5**	**55**
	3	**Med**	**56,7**	**57,8**	**55,5**	**52,2**	**46,8**	**38,6**	**30,9**	**57**
	4		59,5	60,7	58,1	55,2	50,3	42,9	38,1	60
	5	**Max**	**62,1**	**63,5**	**60,7**	**58,3**	**53,8**	**46,9**	**39,9**	**63**
	6		63,3	65,7	62,5	60,2	56,1	49,7	43	65
VCE110	1		50,4	49,1	46	41,3	34,1	26,6	24,1	47
	2	**Min**	**52,9**	**51,6**	**49**	**44,7**	**37,8**	**29,1**	**23,6**	**50**
	3	**Med**	**60,2**	**58,8**	**56,4**	**53,1**	**47,7**	**39,7**	**31,6**	**58**
	4		62,1	61,6	59	56,2	51,4	44,2	37,7	61
	5	**Max**	**67,1**	**67,1**	**64,4**	**62,2**	**58,3**	**52,3**	**46,1**	**67**
VCE120	1		52,8	51,1	47,5	43,5	36,7	29,4	25,7	49
	2	**Min**	**54,7**	**52,9**	**49,6**	**45,4**	**39,4**	**31,3**	**26,2**	**51**
	3		60,7	60,2	57,1	53,8	49,2	41,6	33,8	59
	4	**Med**	**62,4**	**62,2**	**58,9**	**55,9**	**51,6**	**44,7**	**37,8**	**61**
	5	**Max**	**66,8**	**66,9**	**63,2**	**61,1**	**57,3**	**51,5**	**45,4**	**66**

Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

SOUND POWER SPECTRUM - 2 PIPE SYSTEM

Model	Speed	Standard electric wiring	Frequence spectrum - ref. octave band (Hz)							Total sound power dB(A)
			125	250	500	1000	2000	4000	8000	
VCE10	1		32,7	31,7	31,2	23	20,4	13,5	4,6	31
	2	**Min**	**34**	**35,7**	**33,7**	**26,9**	**23,5**	**15,8**	**6,8**	**34**
	3		35	36,6	36,1	29,6	24	16,6	5,9	36
	4	**Med**	**36,9**	**40**	**40**	**34,4**	**28,5**	**20,1**	**7,8**	**40**
	5	**Max**	**41,1**	**44,1**	**44,5**	**39,8**	**34,6**	**26,7**	**15,1**	**45**
	6		45,6	48,4	49,2	44,9	40,9	33,8	23,5	50
VCE20	1		31,2	36,8	33,9	25,5	21,6	16,7	12,1	34
	2	**Min**	**35,1**	**39,8**	**38**	**30,8**	**25,7**	**19**	**13,5**	**38**
	3	**Med**	**39,9**	**43,9**	**43**	**36,6**	**31,5**	**23,9**	**16,7**	**43**
	4	**Max**	**43,2**	**46,9**	**46,9**	**41**	**36,5**	**28,2**	**19,9**	**47**
	5		47,7	51,3	51,7	46	42,8	35,2	28,2	52
	6		51,8	54,9	54,9	49,9	48,6	40,7	32,9	56
VCE30	1		31,4	33,4	28,6	20,7	21,6	13,6	13	30
	2	**Min**	**33,7**	**36,5**	**33,7**	**26**	**23,1**	**15**	**13,3**	**34**
	3	**Med**	**38,2**	**40,9**	**39,8**	**34,3**	**27,8**	**18,3**	**13,8**	**40**
	4	**Max**	**41,8**	**44,1**	**43,5**	**38,9**	**32,4**	**23,3**	**16,5**	**44**
	5		44,5	46,5	46,2	42,2	36	28,1	19,3	47
	6		47,2	49,2	49,1	45,2	39,7	33	25,8	50
VCE40	1		31,4	33,4	28,6	20,7	21,6	13,6	13	30
	2	**Min**	**34,7**	**37,5**	**34,7**	**27**	**24,1**	**16**	**14,3**	**35**
	3	**Med**	**40,2**	**42,9**	**41,8**	**36,3**	**29,8**	**20,3**	**15,8**	**42**
	4		42,8	45,1	44,5	39,9	33,4	24,3	17,5	45
	5	**Max**	**45,5**	**47,5**	**47,2**	**43,2**	**37**	**29,1**	**20,3**	**48**
	6		50,2	52,2	52,1	48,2	42,7	36	28,8	52
VCE50	**1**	**Min**	**33,3**	**37,2**	**33,5**	**24,3**	**27,2**	**23,1**	**21,9**	**35**
	2		36,6	40	37,6	28,9	28,2	24	23,3	38
	3	**Med**	**40,5**	**43,8**	**41,9**	**34,3**	**30,3**	**25**	**23,8**	**42**
	4	**Max**	**44,1**	**47**	**46**	**39,6**	**34,2**	**27**	**24,2**	**46**
	5		49	51,2	50,8	45,2	39,9	32,5	28,6	51
	6		53,4	55,6	55,3	50,4	46,3	39,5	31,7	56
VCE60	1		36,3	40,2	36,5	27,3	30,2	26,1	24,9	38
	2	**Min**	**39,6**	**43**	**40,6**	**31,9**	**31,2**	**27**	**26,3**	**41**
	3		42,5	45,8	43,9	36,3	32,3	27	25,8	44
	4	**Med**	**46,1**	**49**	**48**	**41,6**	**36,2**	**29**	**26,2**	**48**
	5	**Max**	**51**	**53,2**	**52,8**	**47,2**	**41,9**	**34,5**	**30,6**	**53**
	6		54,4	56,6	56,3	51,4	47,3	40,5	32,7	57
VCE70	1		34,5	37,2	33,1	26,2	25,3	22,5	19,6	36
	2		36,4	41,3	38,1	30,7	28,5	25,2	22,6	39
	3	**Min**	40,7	44,3	42,4	35,5	32,2	27,1	23,3	**43**
	4	**Med**	44,1	47,9	47	40,8	37,3	29,3	25,8	**47**
	5	**Max**	49,5	52,3	52,3	46,6	43,4	35,5	28	**53**
	6		54,2	57,2	56,8	52,1	49,6	42,8	33,9	58
VCE80	**1**	**Min**	47,6	50,7	50,3	45,1	41,8	36	29	**51**
	2	**Med**	53,3	56	56,2	51,2	48,3	42,9	35,3	**57**
	3	**Max**	54,9	57,9	57,8	53,3	50,7	45,6	38,5	**59**
	4		57,3	60,7	60,5	56,4	54	49,4	43,2	62
	5		60,5	63,6	63,1	59,3	57,1	52,8	47,3	65
	6		63,5	66,7	65,9	62,4	60,3	56,4	51,7	68
VCE90	**1**	**Min**	48	50,1	50,7	45	41,3	36,2	29,8	**51**
	2		51,7	54,4	55,5	50,1	46,8	41,6	34,4	56
	3	**Med**	54,4	57,2	58	53,4	50,4	45,6	38,6	**59**
	4		56,9	60,1	60,6	56,4	53,7	49,2	43,1	62
	5	**Max**	59,8	62,9	63,4	59,4	56,9	52,7	47,4	**65**
	6		62,3	66	66	62,6	60,2	56,3	51,8	68
VCE100	1		53,3	54,5	51,8	47,7	41,6	32,9	29,3	53
	2	**Min**	54,7	56,2	53,8	50,1	44,1	35,3	28,5	**55**
	3	**Med**	57,7	58,8	56,5	53,2	47,8	39,6	31,9	**58**
	4		60,5	61,7	59,1	56,2	51,3	43,9	39,1	61
	5	**Max**	62,1	63,5	60,7	58,3	53,8	46,9	39,9	**63**
	6		64,3	66,7	63,5	61,2	57,1	50,7	44	66
VCE110	1		51,4	50,1	47	42,3	35,1	27,6	25,1	48
	2	**Min**	53,9	52,6	50	45,7	38,8	30,1	24,6	**51**
	3	**Med**	60,2	58,8	56,4	53,1	47,7	39,7	31,6	**58**
	4		63,1	62,6	60	57,2	52,4	45,2	38,7	62
	5	**Max**	67,1	67,1	64,4	62,2	58,3	52,3	46,1	**67**
VCE120	1		52,8	51,1	47,5	43,5	36,7	29,4	25,7	49
	2	**Min**	55,7	53,9	50,6	46,4	40,4	32,3	27,2	**52**
	3		61,7	61,2	58,1	54,8	50,2	42,6	34,8	60
	4	**Med**	63,4	63,2	59,9	56,9	52,6	45,7	38,8	**62**
	5	**Max**	67,8	67,9	64,2	62,1	58,3	52,5	46,4	**67**

Data indicated as min, med, max, concern the 3 standard speeds set at the factory. upon customer request other 3 speeds among the 6 speeds available can be connected.

AIR PRESSURE DROPS FOR THE MAIN ACCESSORIES

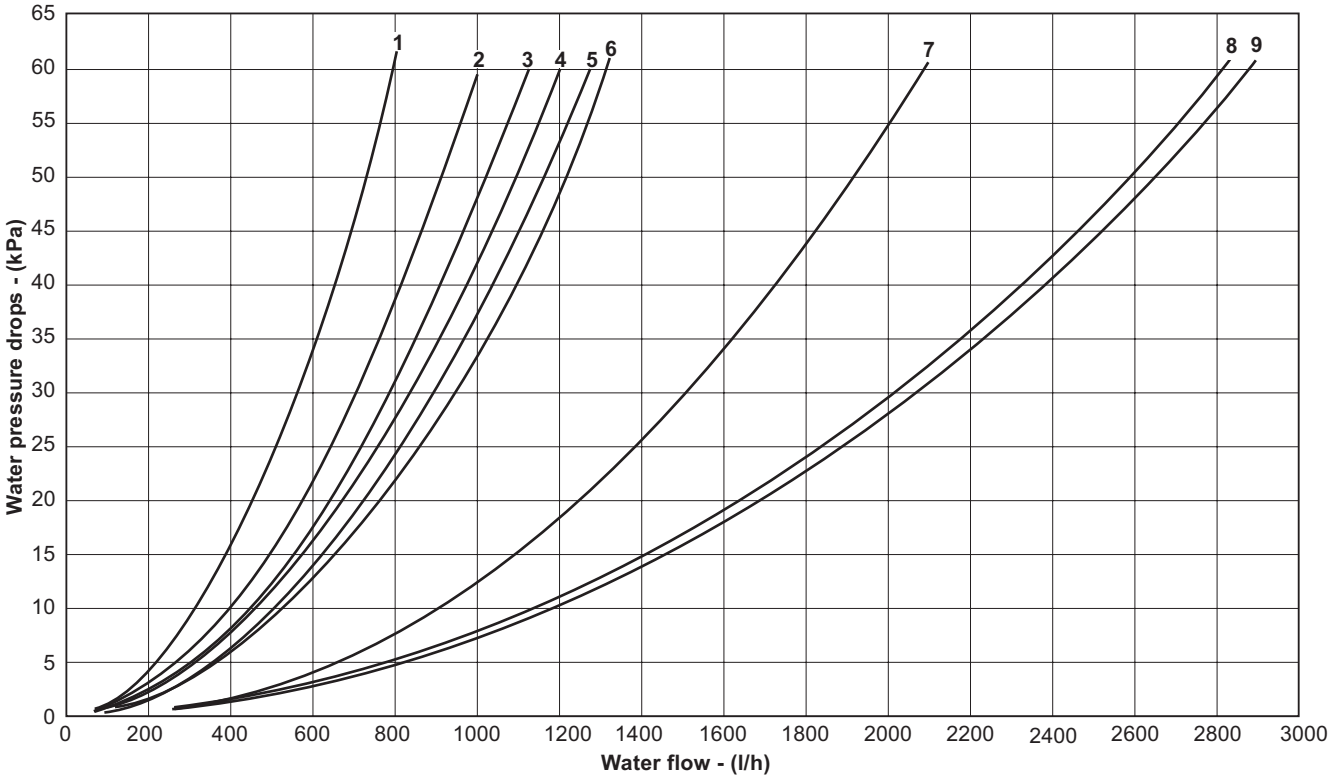
Air flow m³/h	Accessories description									
	Straight connecting duct	90° intake/supply duct	Telescopic extension for straight and 90° duct	Supply plenum with circular connections	Intake plenum with circular connections	Painted lower panel with grill	Supply grill	Intake grill	Standard filter in medium stemming condition	Standard filter in limit stemming condition (cleaning is necessary)
MODEL VCE10										
276	0,8	3,2	0,8	12,3	12,3	7,2	19,6	19,6	5,4	10,9
250	0,7	2,6	0,7	10,1	10,1	5,9	16,0	16,0	4,5	8,9
225	0,5	2,1	0,5	8,2	8,2	4,8	13,0	13,0	3,6	7,2
200	0,4	1,7	0,4	6,5	6,5	3,8	10,3	10,3	2,9	5,7
175	0,3	1,3	0,3	4,9	4,9	2,9	7,9	7,9	2,2	4,4
150	-	0,9	-	3,6	3,6	2,1	5,8	5,8	1,6	3,2
125	-	0,7	-	2,5	2,5	1,5	4,0	4,0	1,1	2,2
100	-	0,4	-	1,6	1,6	0,9	2,6	2,6	0,7	1,4
75	-	-	-	0,9	0,9	0,5	1,4	1,4	0,4	0,8
60	-	-	-	0,6	0,6	0,3	0,9	0,9	0,3	0,5
MODEL VCE20										
411	0,6	2,7	0,6	6,9	6,9	6,0	15,4	15,4	4,7	9,4
400	0,6	2,6	0,6	6,5	6,5	5,7	14,6	14,6	4,4	8,9
350	0,4	2,0	0,4	5,0	5,0	4,4	11,2	11,2	3,4	6,8
300	0,3	1,4	0,3	3,7	3,7	3,2	8,2	8,2	2,5	5,0
250	-	1,0	-	2,6	2,6	2,2	5,7	5,7	1,7	3,5
200	-	0,6	-	1,6	1,6	1,4	3,6	3,6	1,1	2,2
150	-	0,4	-	0,9	0,9	0,8	2,1	2,1	0,6	1,2
100	-	-	-	0,4	0,4	0,4	0,9	0,9	0,3	0,6
90	-	-	-	0,3	0,3	0,3	0,7	0,7	0,2	0,4
MODEL VCE30										
533	0,6	2,4	0,6	9,0	9,0	5,2	13,2	13,2	4,2	8,3
500	0,5	2,1	0,5	7,9	7,9	4,6	11,6	11,6	3,7	7,3
450	0,4	1,7	0,4	6,4	6,4	3,7	9,4	9,4	3,0	5,9
400	0,3	1,3	0,3	5,1	5,1	2,9	7,4	7,4	2,3	4,7
350	-	1,0	-	3,9	3,9	2,2	5,7	5,7	1,8	3,6
300	-	0,8	-	2,9	2,9	1,6	4,2	4,2	1,3	2,6
250	-	0,5	-	2,0	2,0	1,1	2,9	2,9	0,9	1,8
200	-	0,3	-	1,3	1,3	0,7	1,9	1,9	0,6	1,2
150	-	-	-	0,7	0,7	0,4	1,0	1,0	0,3	0,7
100	-	-	-	0,3	0,3	-	0,5	0,5	0,1	0,3
MODEL VCE40										
530	0,6	2,4	0,6	8,9	8,9	5,1	13,1	13,1	4,1	8,2
500	0,5	2,1	0,5	7,9	7,9	4,6	11,6	11,6	3,7	7,3
450	0,4	1,7	0,4	6,4	6,4	3,7	9,4	9,4	3,0	5,9
400	0,3	1,3	0,3	5,1	5,1	2,9	7,4	7,4	2,3	4,7
350	-	1,0	-	3,9	3,9	2,2	5,7	5,7	1,8	3,6
300	-	0,8	-	2,9	2,9	1,6	4,2	4,2	1,3	2,6
250	-	0,5	-	2,0	2,0	1,1	2,9	2,9	0,9	1,8
200	-	0,3	-	1,3	1,3	0,7	1,9	1,9	0,6	1,2
150	-	-	-	0,7	0,7	0,4	1,0	1,0	0,3	0,7
100	-	-	-	0,3	0,3	-	0,5	0,5	0,1	0,3
MODEL VCE50										
812	0,9	3,3	0,9	7,4	7,4	7,3	18,5	18,5	5,9	11,9
800	0,8	3,2	0,8	7,2	7,2	7,1	18,0	18,0	5,8	11,5
700	0,6	2,5	0,6	5,5	5,5	5,4	13,8	13,8	4,4	8,8
600	0,5	1,8	0,5	4,0	4,0	4,0	10,1	10,1	3,2	6,5
500	0,3	1,3	0,3	2,8	2,8	2,8	7,0	7,0	2,3	4,5
400	-	0,8	-	1,8	1,8	1,8	4,5	4,5	1,4	2,9
300	-	0,5	-	1,0	1,0	1,0	2,5	2,5	0,8	1,6
200	-	-	-	0,4	0,4	0,4	1,1	1,1	0,4	0,7
150	-	-	-	0,3	0,3	-	0,6	0,6	0,2	0,4
MODEL VCE60										
814	0,9	3,3	0,9	7,4	7,4	7,4	18,6	18,6	6,0	11,9
800	0,8	3,2	0,8	7,2	7,2	7,1	18,0	18,0	5,8	11,5
700	0,6	2,5	0,6	5,5	5,5	5,4	13,8	13,8	4,4	8,8
600	0,5	1,8	0,5	4,0	4,0	4,0	10,1	10,1	3,2	6,5
500	0,3	1,3	0,3	2,8	2,8	2,8	7,0	7,0	2,3	4,5
400	-	0,8	-	1,8	1,8	1,8	4,5	4,5	1,4	2,9
300	-	0,5	-	1,0	1,0	1,0	2,5	2,5	0,8	1,6
200	-	-	-	0,4	0,4	0,4	1,1	1,1	0,4	0,7
150	-	-	-	0,3	0,3	-	0,6	0,6	0,2	0,4

AIR PRESSURE DROPS FOR THE MAIN ACCESSORIES

Air flow m^3/h	Accessories description									
	Straight connecting duct	90° intake/supply duct	Telescopic extension for straight and 90° duct	Supply plenum with circular connections	Intake plenum with circular connections	Painted lower panel with grill	Supply grill	Intake grill	Standard filter in medium stemming condition	Standard filter in limit stemming condition (cleaning is necessary)
MODEL VCE70										
867	0,8	3,8	0,8	8,4	8,4	8,4	21,2	21,2	11,0	22,0
800	0,7	3,3	0,7	7,2	7,2	7,2	18,1	18,1	9,4	18,7
750	0,6	2,9	0,6	6,3	6,3	6,3	15,9	15,9	8,2	16,4
700	0,5	2,5	0,5	5,5	5,5	5,5	13,8	13,8	7,2	14,3
650	0,4	2,1	0,4	4,7	4,7	4,7	11,9	11,9	6,2	12,3
600	0,4	1,8	0,4	4,0	4,0	4,0	10,2	10,2	5,3	10,5
550	0,3	1,5	0,3	3,4	3,4	3,4	8,5	8,5	4,4	8,8
500	0,3	1,3	0,3	2,8	2,8	2,8	7,1	7,1	3,7	7,3
450	-	1,0	-	2,3	2,3	2,3	5,7	5,7	3,0	5,9
400	-	0,8	-	1,8	1,8	1,8	4,5	4,5	2,3	4,7
350	-	0,6	-	1,4	1,4	1,4	3,5	3,5	1,8	3,6
300	-	0,5	-	1,0	1,0	1,0	2,5	2,5	1,3	2,6
250	-	0,3	-	0,7	0,7	0,7	1,8	1,8	0,9	1,8
200	-	-	-	0,4	0,4	0,4	1,1	1,1	0,6	1,2
150	-	-	-	0,3	0,3	0,3	0,6	0,6	0,3	0,7
MODEL VCE80										
1511	1,3	7,7	1,3	24,3	24,3	17,1	43,2	43,2	14,4	28,7
1400	1,1	6,6	1,1	20,9	20,9	14,6	37,1	37,1	12,3	24,6
1300	1,0	5,7	1,0	18,0	18,0	12,6	32,0	32,0	10,6	21,2
1200	0,8	4,9	0,8	15,3	15,3	10,8	27,2	27,2	9,1	18,1
1100	0,7	4,1	0,7	12,9	12,9	9,0	22,9	22,9	7,6	15,2
1000	0,6	3,4	0,6	10,6	10,6	7,5	18,9	18,9	6,3	12,6
900	0,5	2,7	0,5	8,6	8,6	6,1	15,3	15,3	5,1	10,2
800	0,4	2,2	0,4	6,8	6,8	4,8	12,1	12,1	4,0	8,0
700	0,3	1,7	0,3	5,2	5,2	3,7	9,3	9,3	3,1	6,2
600	-	1,2	-	3,8	3,8	2,7	6,8	6,8	2,3	4,5
500	-	0,8	-	2,7	2,7	1,9	4,7	4,7	1,6	3,1
400	-	0,5	-	1,7	1,7	1,2	3,0	3,0	1,0	2,0
MODEL VCE90										
1410	1,2	6,7	1,2	21,3	21,3	14,9	11,2	11,2	12,5	25,0
1300	1,0	5,7	1,0	18,1	18,1	12,6	9,5	9,5	10,6	21,2
1200	0,8	4,9	0,8	15,4	15,4	10,8	8,1	8,1	9,1	18,1
1100	0,7	4,1	0,7	13,0	13,0	9,0	6,8	6,8	7,6	15,2
1000	0,6	3,4	0,6	10,7	10,7	7,5	5,6	5,6	6,3	12,6
900	0,5	2,7	0,5	8,7	8,7	6,1	4,6	4,6	5,1	10,2
800	0,4	2,2	0,4	6,9	6,9	4,8	3,6	3,6	4,0	8,0
700	0,3	1,7	0,3	5,2	5,2	3,7	2,8	2,8	3,1	6,2
600	-	1,2	-	3,9	3,9	2,7	2,0	2,0	2,3	4,5
500	-	0,8	-	2,7	2,7	1,9	1,4	1,4	1,6	3,1
400	-	0,5	-	1,7	1,7	1,2	0,9	0,9	1,0	2,0

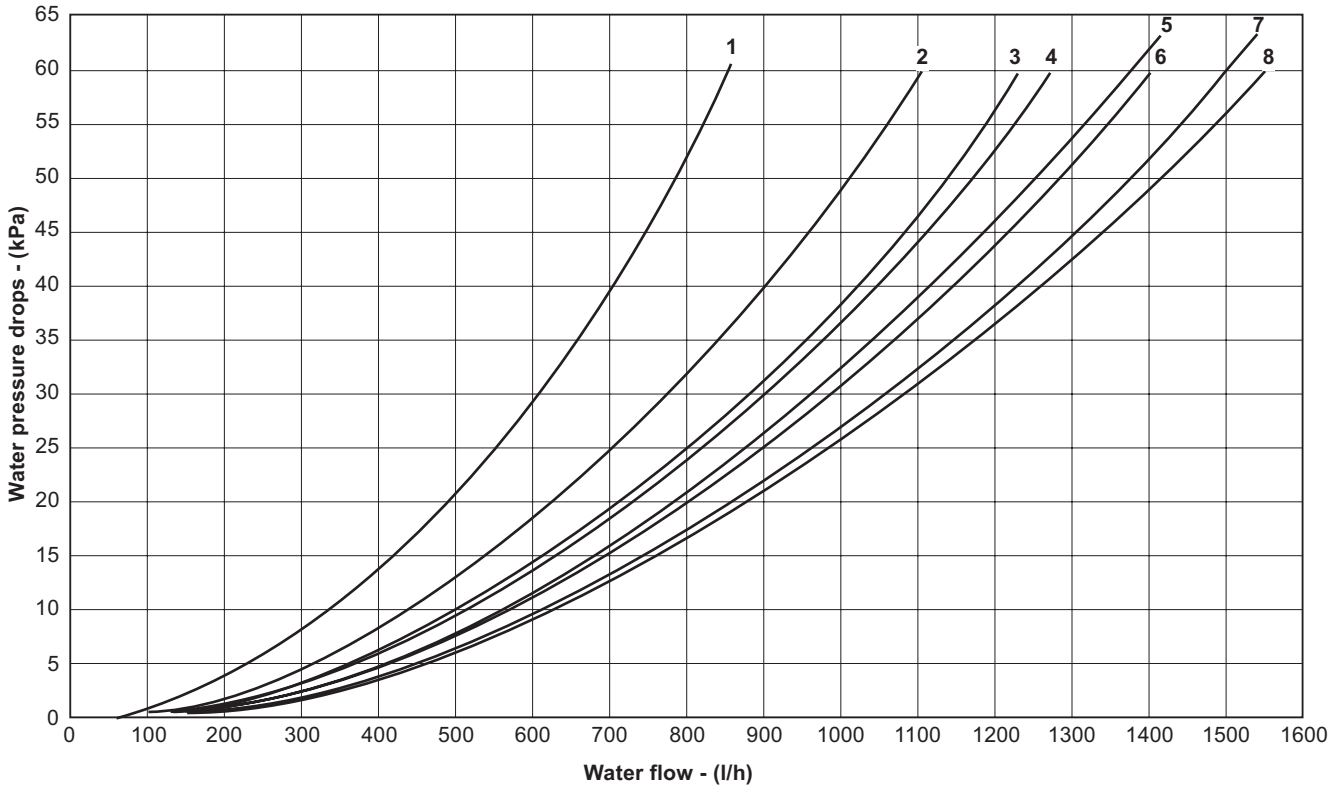
COILS WATER PRESSURE DROPS

3 ROWS COIL (water medium temperature = 9.5° C)



1= VCE70 2= VCE50-60 3= VCE30-40 4= VCE20 5= VCE10 6= VCE8-90 7= VCE100 8= VCE 120 9= VCE 110

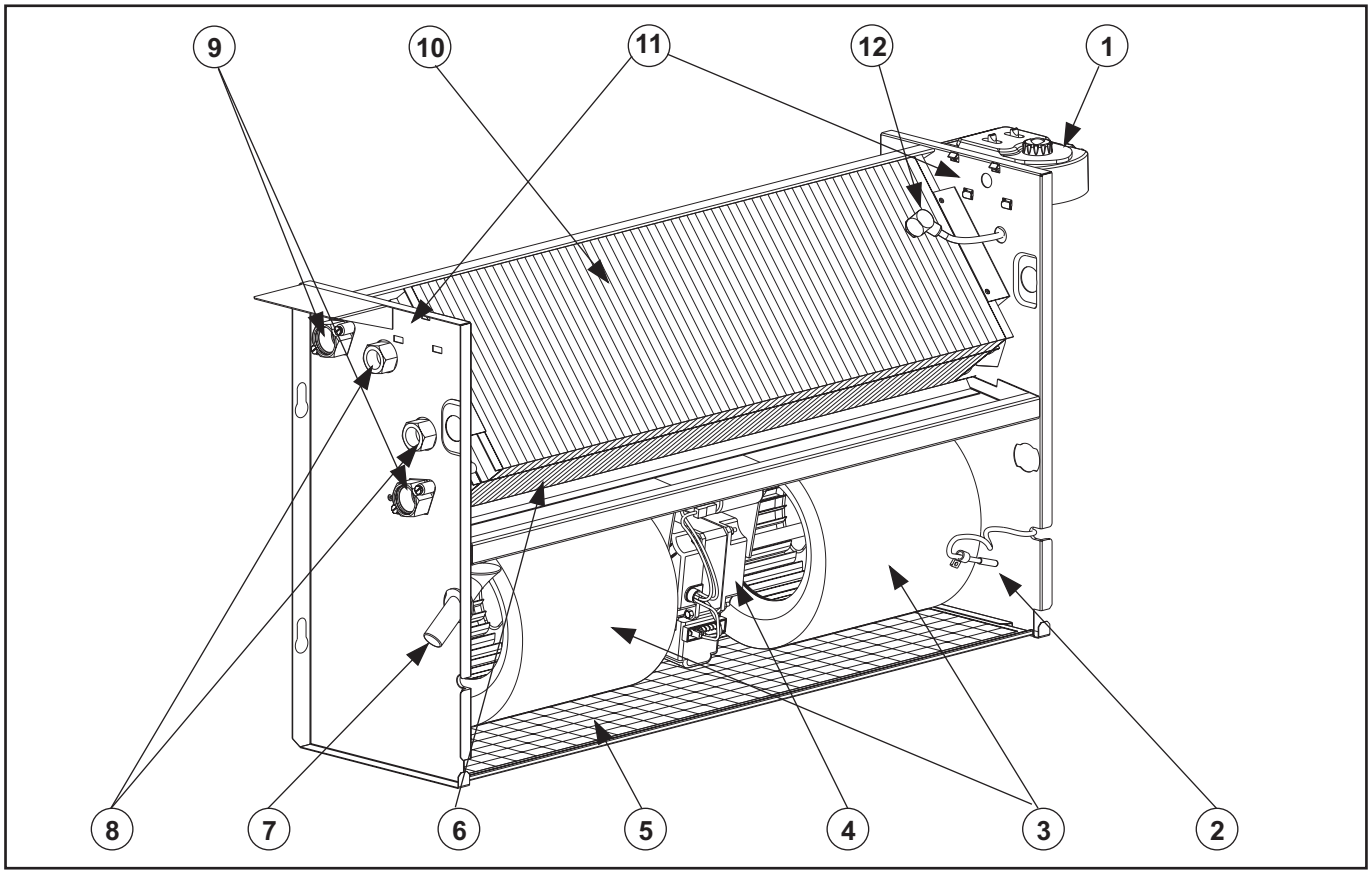
1 ROW COIL (water medium temperature = 65° C)



1= VCE100 2= VCE80-90 3= VCE70 4= VCE50-60 5= VCE30-40 6= VCE110-120 7= VCE20 8= VCE10

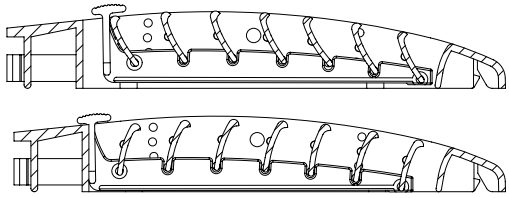
GENERAL FEATURES AND MAIL COMPONENTS

1 Control panel
2 Room temperature control
3 Centrifugal fan
4 Electric motor
5 Air filter
6 Heat exchanger (standard 3R coil)
7 Condense discharge
8 Water connections (standard 3R coil)
9 Water connections (auxiliary 1R coil)
10 Heat exchanger (auxiliary 1R coil)
11 Bearing structure
12 Water low temperature sensor



STRUCTURE - Galvanized steel sheet (8/10 mm thick) insulated in all parts in direct contact with the conditioned air. Insulated condensate tray made of painted steel sheet, complete with drain for complete drainage. Sides with knock-outs for a fast fixing of accessories. Wall-anchoring slots for easy fixing and levelling of the unit.
HEAT EXCHANGER - Coils are made of copper pipe expanded into aluminium fins in continuous block. Brass headers with female fittings (GAS threads) and easily accessible air vents.
In the standard version, water connections are located on the left side (looking air outlet). On request right side water connections are available. Please specificy, in your order, if connections are or the right or the left side.
VENTILATION GROUP - Double-inlet centrifugal fans with statically and dynamically balanced horizontally-oriented aluminium impellers. Single-phase asynchronous electric motor with overload cut-out. 6 speeds of rotation (3 connected). The motor is directly coupled to the fans and cushioned with flexible mountings to ensure low noise.
CABINET - Modern design that blends in with any environment. Made in hot-dip galvanized steel sheet pre-coated with PVC to ensure high resistance to rust, corrosion, chemical agents, aliphatic solvents and alcohols. ABS adjustable air grilles and the control panel protective flap are inserted in the cabinet top. Standard colour: white (9016). Other RAL colours are available on request, additional price according to quantities.
CONTROL PANEL - An integral part of the unit, located within a protected control compartment. Several options are available:
Standard (**built-in**) - Cooling/Off/Heating selector plus 3-speed switch.
Optional - mechanical room thermostat (TA), minimum water temperature thermostat (TC), control panel complete with electronic thermostat (in lieu of standard). The recessed units are provided with a terminal board used for the connection to the remote control. A wide range of remote controls is available.

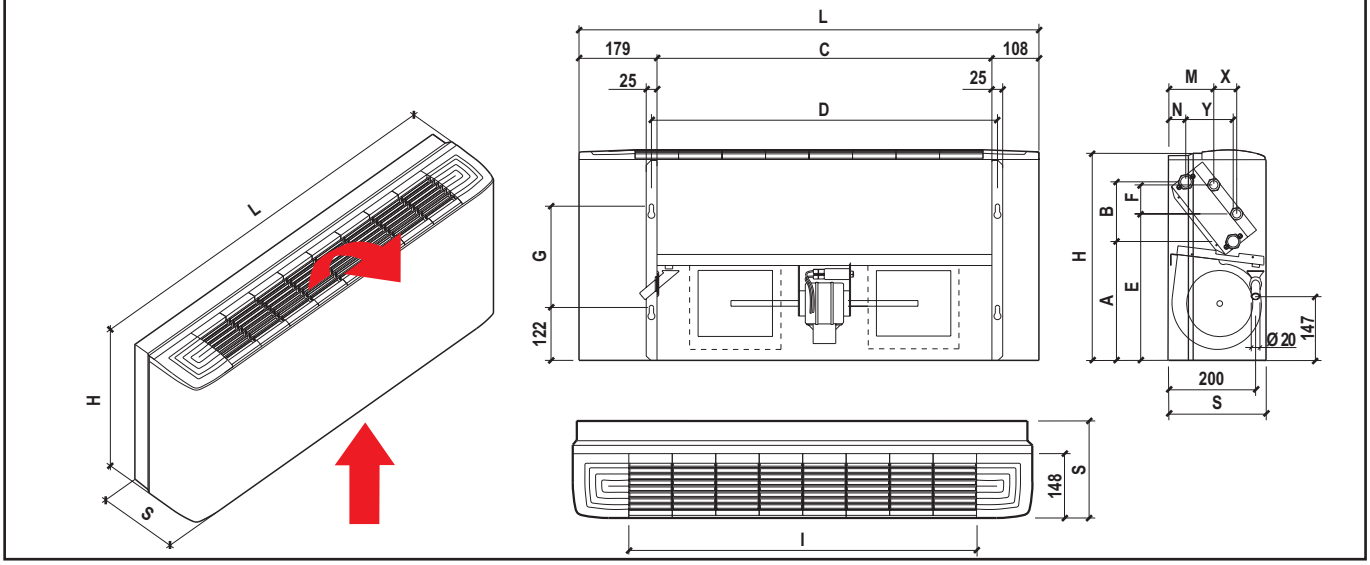
AIR FILTER - Filtering honeycomb polypropylene fabric enclosed within a metal frame to facilitate with drawal and cleaning. Filtering rate of the standard model: EU1.Available with different filtering rate on request.
OUTLET AIR GRILL Placed on the upper side of cabinet, the grills consist of 100 mm adjustable ABS or Nylon elements to allow a better air distribution in the enviroment. Standard colour is light grey (RAL 7035).
On request: top airflow direction louvers.
Warning! When using the electric heating elements, nylon outlet grills must be installed



VISTA IN SENZIONE GRIGLIE ORIENTABILI

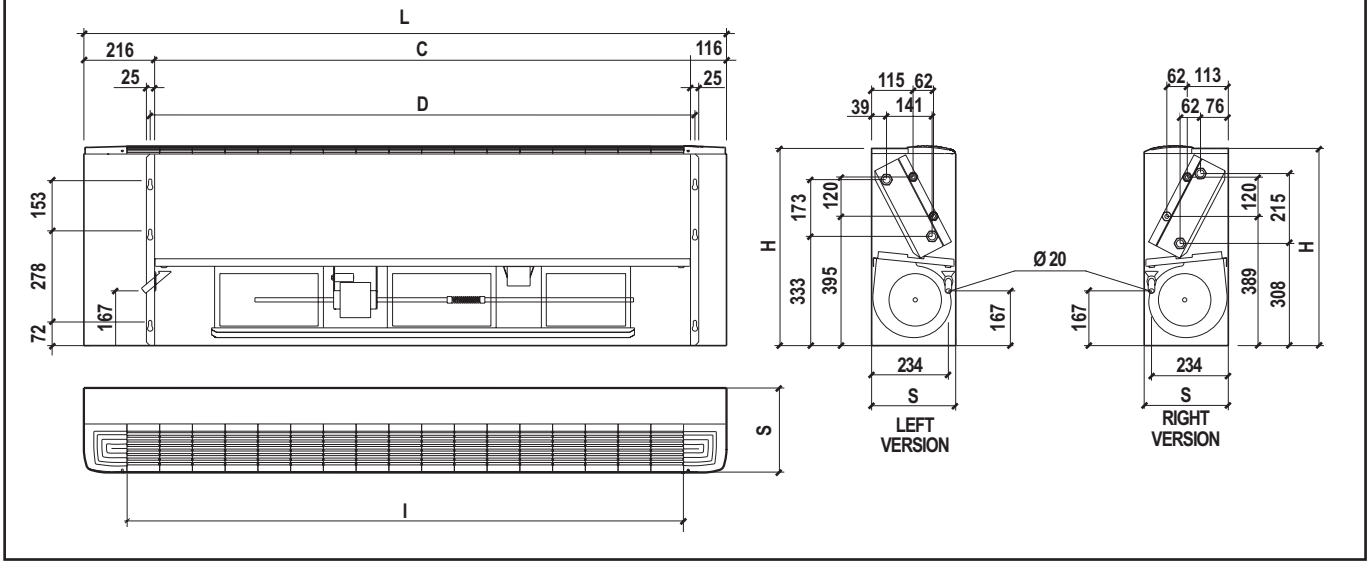
VERSION 0 - Wall mounted with cabinet (bottom air intake)

VCE 10-90



N.B.: On the models VCE100, VCE110 and VCE120 the fold on the cabinet is not foreseen!

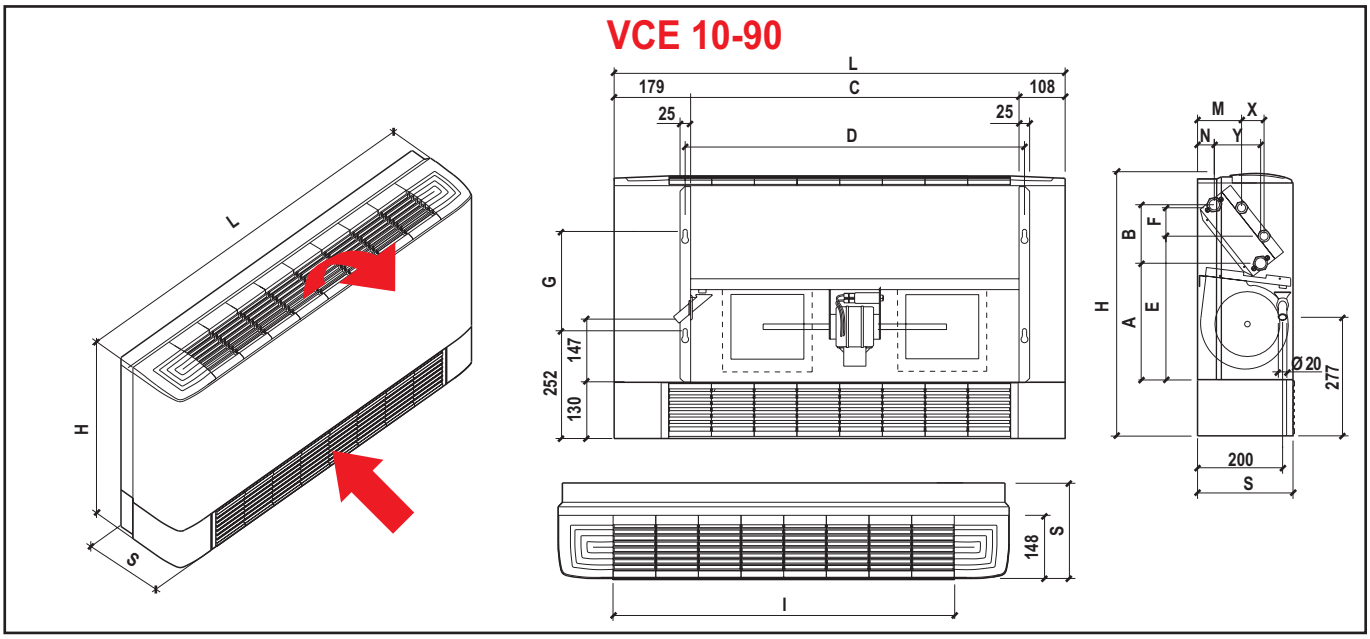
VCE 100-120



		Dimensions				Distance between slots		Standard coil				Auxiliary coil				N.o grilles
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	I
VCE10	A0015090010	480	660	225	370	395	233	39	109	274	137	103	53	337	67	4
VCE20	A0015090020	480	860	225	570	595	233	39	109	274	137	103	53	337	67	6
VCE30	A0015090030	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8
VCE40	A0015090040	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8
VCE50	A0015090050	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10
VCE60	A0015090060	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10
VCE70	A0015090070	585	1.260	225	970	995	253	41	107	268	253	101	52	374	124	10
VCE80	A0015090080	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12
VCE90	A0015090090	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12
VCE100	A0015090100	602	1.661	257	1.335	1.362	-	-	-	-	-	-	-	-	-	14
VCE110	A0015090110	602	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17
VCE120	A0015090120	602	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17

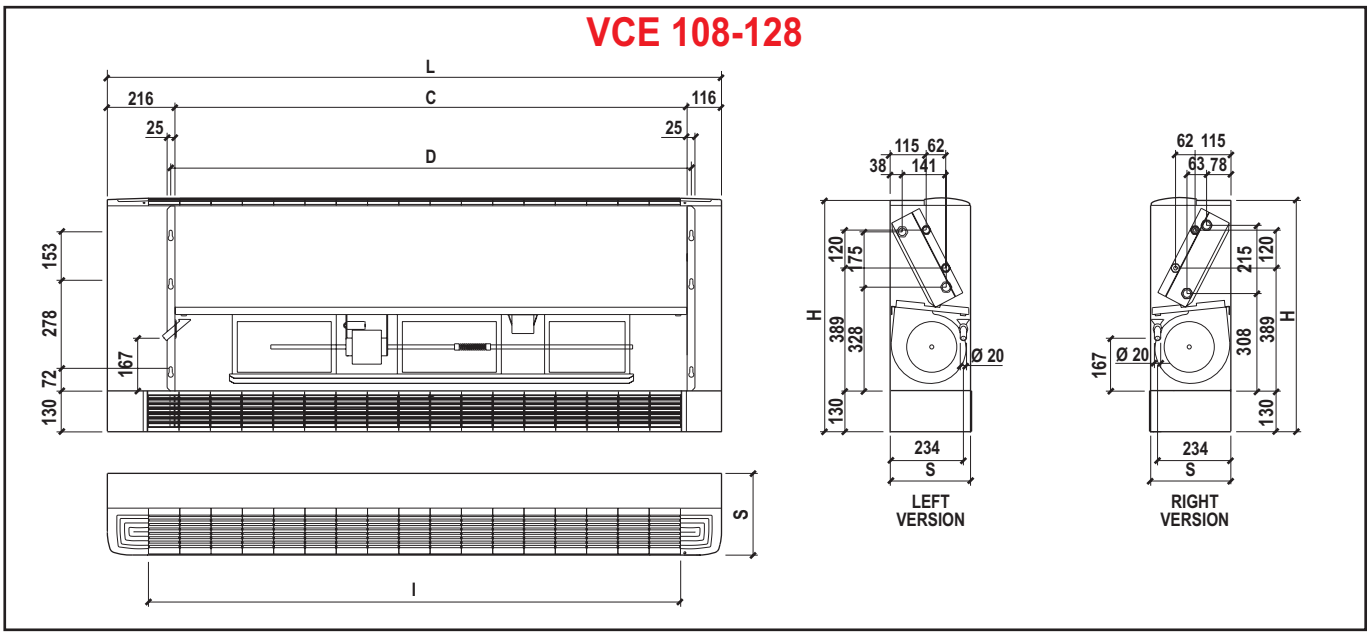
VERSIONE 8 - Wall mounted with cabinet (frontal air intake with socle)

VCE 10-90



N.B.: On the models VCE108, VCE118 and VCE128 the fold on the cabinet is not foreseen!

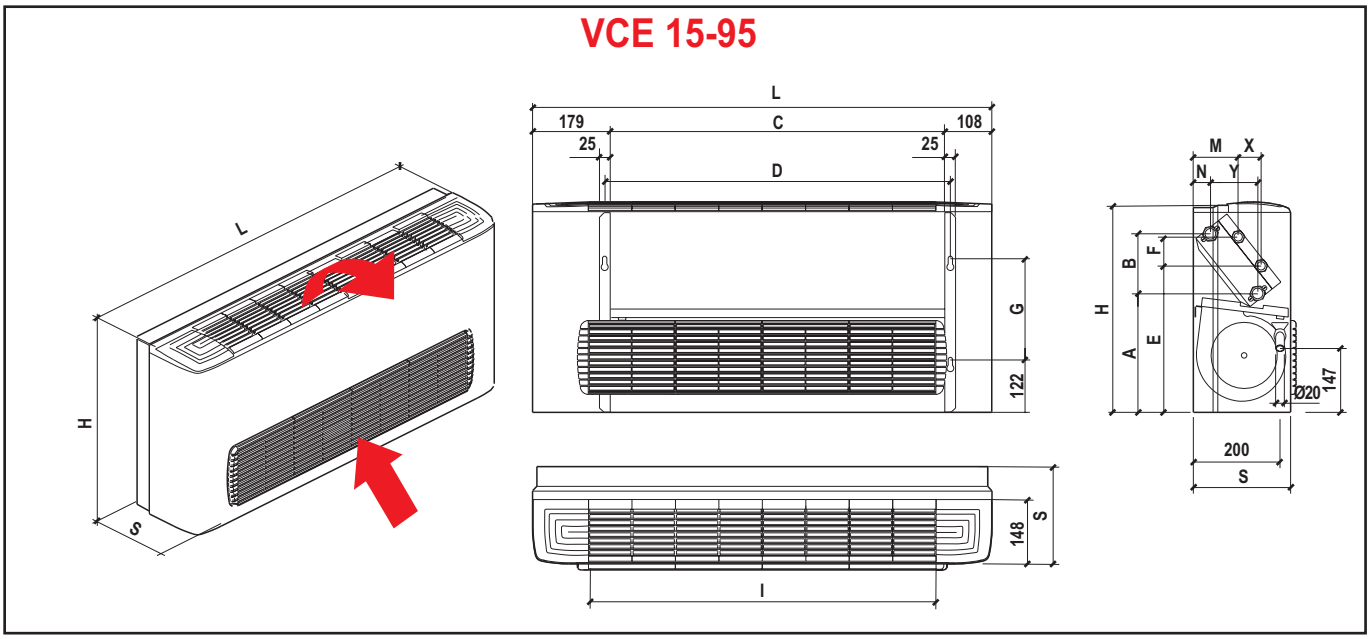
VCE 108-128



		Dimensions				Distance between slots		Standard coil				Auxiliary coil				N.o grilles
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	I
VCE18	A0015090018	610	660	225	370	395	233	39	109	274	137	103	53	337	67	4
VCE28	A0015090028	610	860	225	570	595	233	39	109	274	137	103	53	337	67	6
VCE38	A0015090038	610	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8
VCE48	A0015090048	610	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8
VCE58	A0015090058	610	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10
VCE68	A0015090068	610	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10
VCE78	A0015090078	715	1.260	225	970	995	253	41	107	268	253	101	52	374	124	10
VCE88	A0015090088	715	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12
VCE98	A0015090098	715	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12
VCE108	A0015090108	735	1.661	257	1.335	1.362	-	-	-	-	-	-	-	-	-	14
VCE118	A0015090118	735	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17
VCE128	A0015090128	735	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17

VERSIONE 5 - Wall mounted with cabinet (frontal air intake)

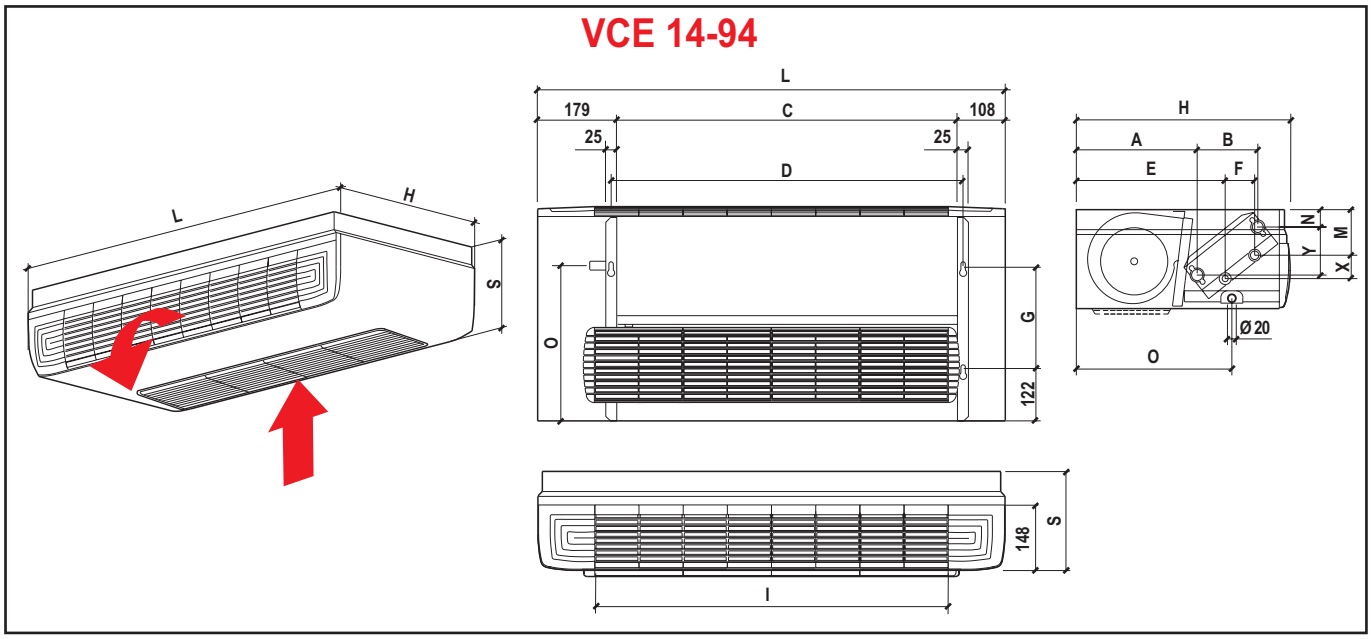
VCE 15-95



		Dimensions				Distance between slots		Standard coil				Auxiliary coil				N.o grilles
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	I
VCE15	A0015090015	480	660	225	370	395	233	39	109	274	137	103	53	337	67	4
VCE25	A0015090025	480	860	225	570	595	233	39	109	274	137	103	53	337	67	6
VCE35	A0015090035	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8
VCE45	A0015090045	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8
VCE55	A0015090055	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10
VCE65	A0015090065	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10
VCE75	A0015090075	585	1.260	225	970	995	253	41	107	268	253	101	52	374	124	10
VCE85	A0015090085	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12
VCE95	A0015090095	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12

VERSIONE 4 - Horizontal ceiling models with cabinet (bottom air intake)

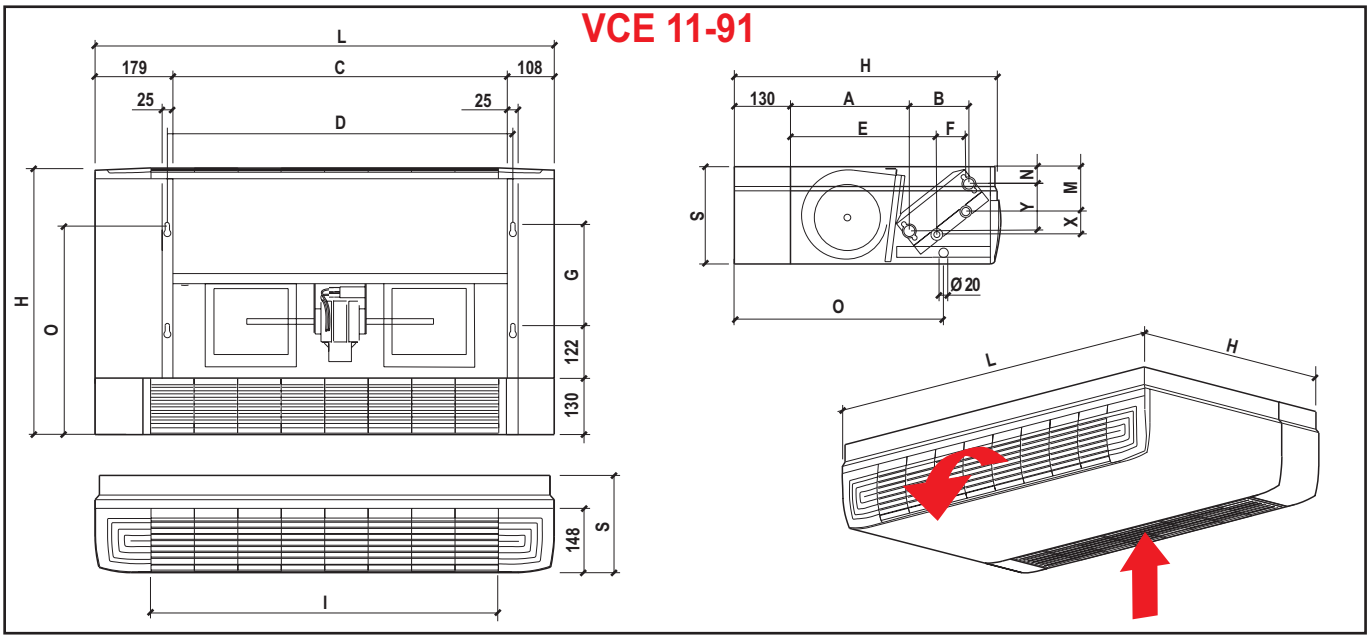
VCE 14-94



		Dimensions				Distance between slots		Standard coil				Auxiliary coil				N.o grilles	Conden. fitting
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	I	O
VCE14	A0015090014	480	660	225	370	395	233	39	109	274	137	103	53	337	67	4	352
VCE24	A0015090024	480	860	225	570	595	233	39	109	274	137	103	53	337	67	6	352
VCE34	A0015090034	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8	352
VCE44	A0015090044	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8	352
VCE54	A0015090054	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10	352
VCE64	A0015090064	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10	352
VCE74	A0015090074	585	1.260	225	970	995	253	41	107	268	253	101	52	374	124	10	402
VCE84	A0015090084	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12	402
VCE94	A0015090094	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12	402

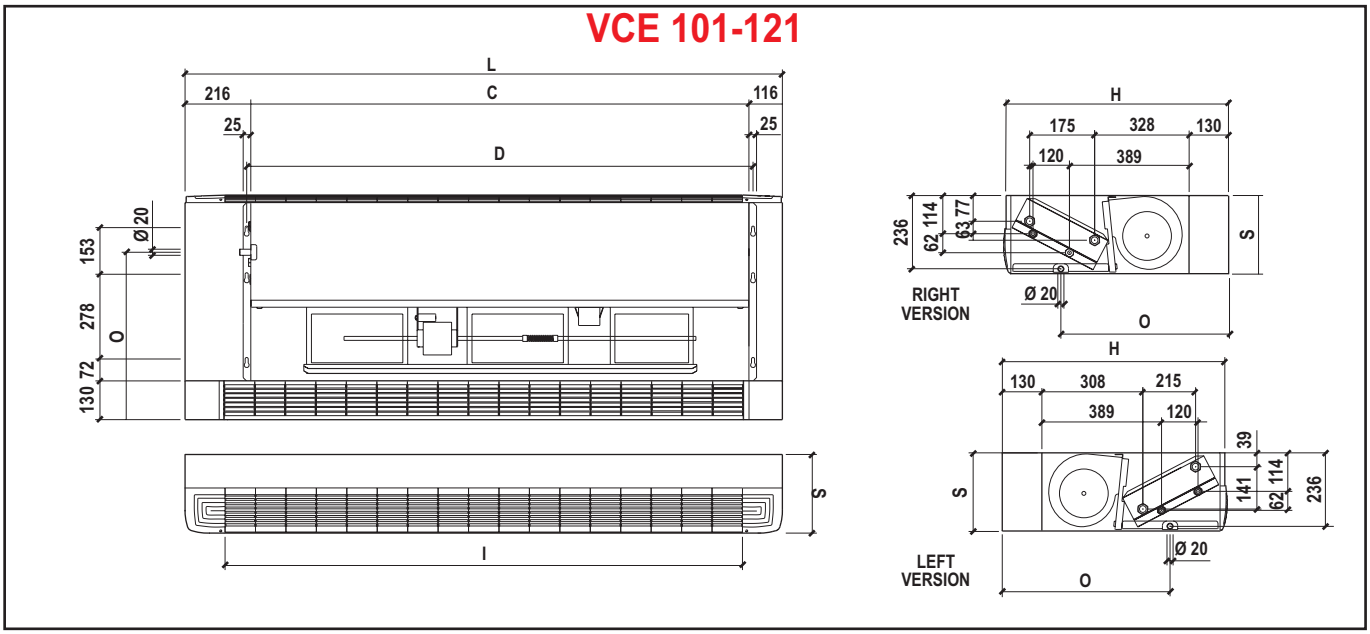
VERSIONE 1 - Horizontal ceiling models with cabinet (bottom air intake with socle)

VCE 11-91



N.B.: On the models VCE101, VCE111 and VCE121 the fold on the cabinet is not foreseen!

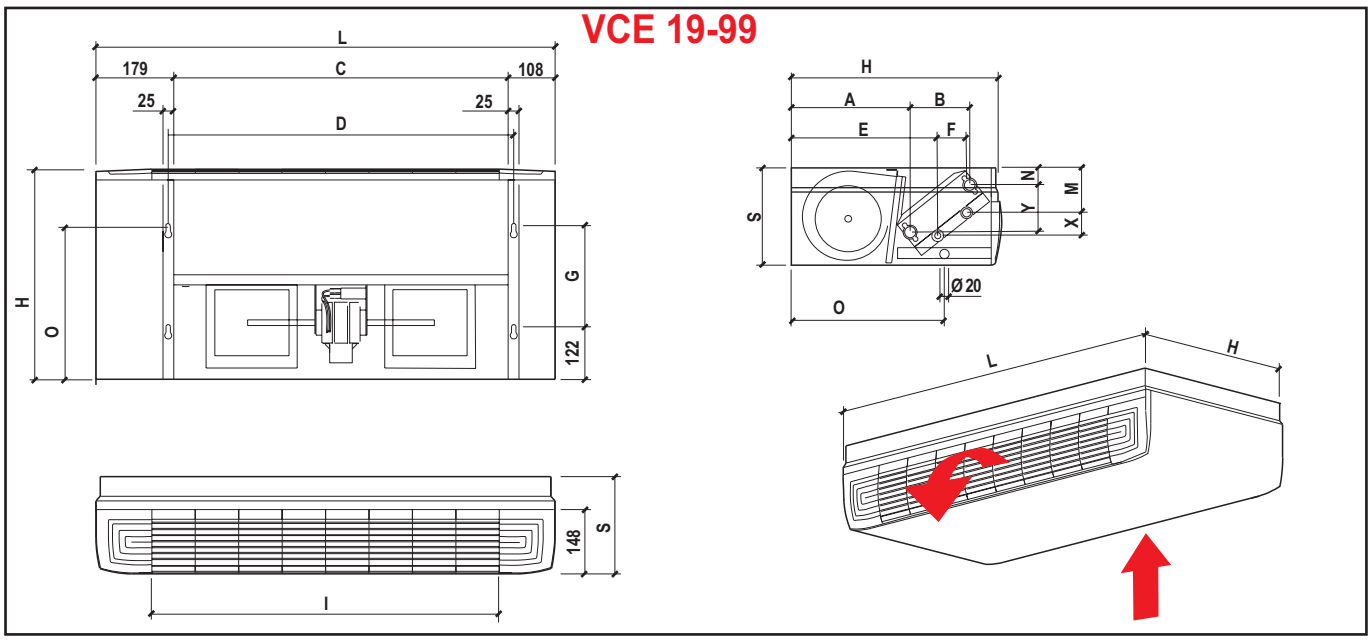
VCE 101-121



		Dimensions				Distance between slots		Standard coil				Auxiliary coil				N.o grilles	Conden. fitting
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	I	O
VCE11	A0015090011	610	660	225	370	395	233	39	109	274	137	103	53	337	67	4	482
VCE21	A0015090021	610	860	225	570	595	233	39	109	274	137	103	53	337	67	6	482
VCE31	A0015090031	610	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8	482
VCE41	A0015090041	610	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8	482
VCE51	A0015090051	610	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10	482
VCE61	A0015090061	610	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10	482
VCE71	A0015090071	715	1.260	225	970	995	253	41	107	268	253	101	52	374	124	10	532
VCE81	A0015090081	715	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12	532
VCE91	A0015090091	715	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12	532
VCE101	A0015090101	735	1.661	257	1.335	1.362	-	-	-	-	-	-	-	-	-	14	552
VCE111	A0015090111	735	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17	552
VCE121	A0015090121	735	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17	552

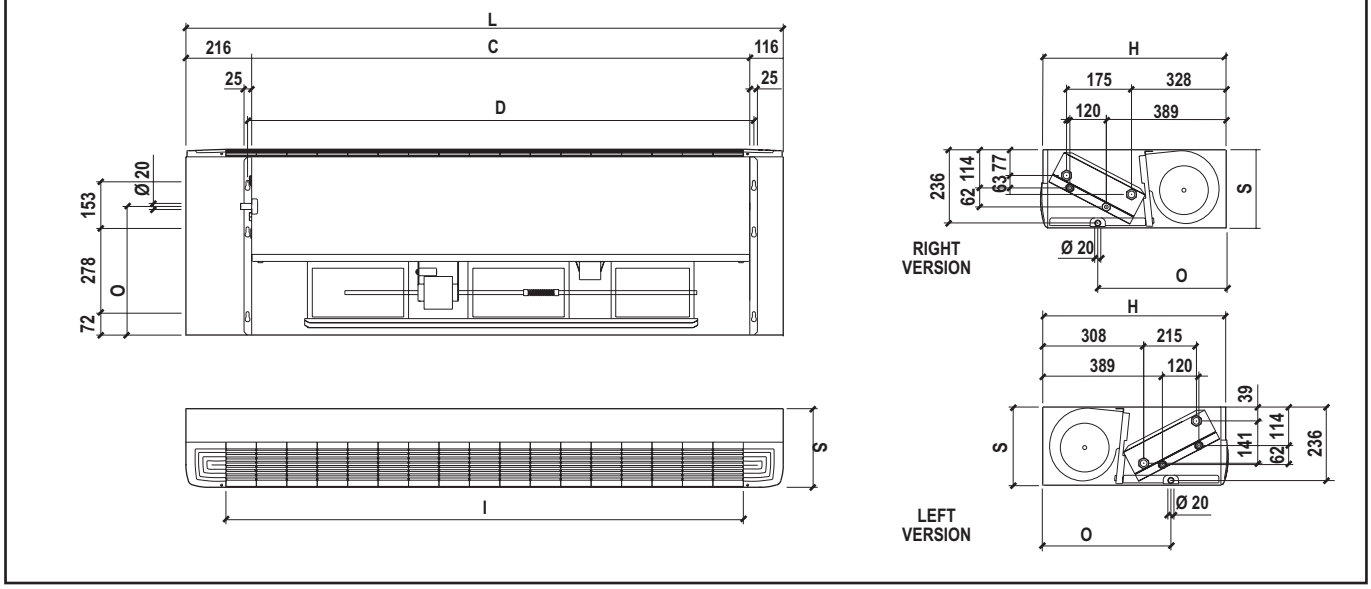
VERSIONE 9 - Horizontal ceiling models with cabinet (bottom air intake with socle)

VCE 19-99



N.B.: On the models VCE109, VCE119 and VCE129 the fold on the cabinet is not foreseen!

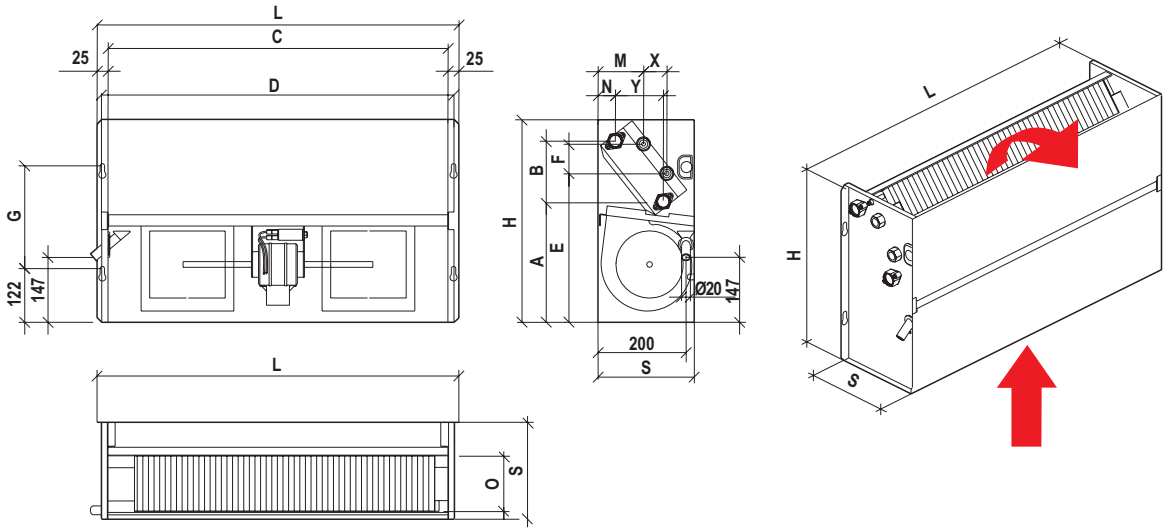
VCE 109-129



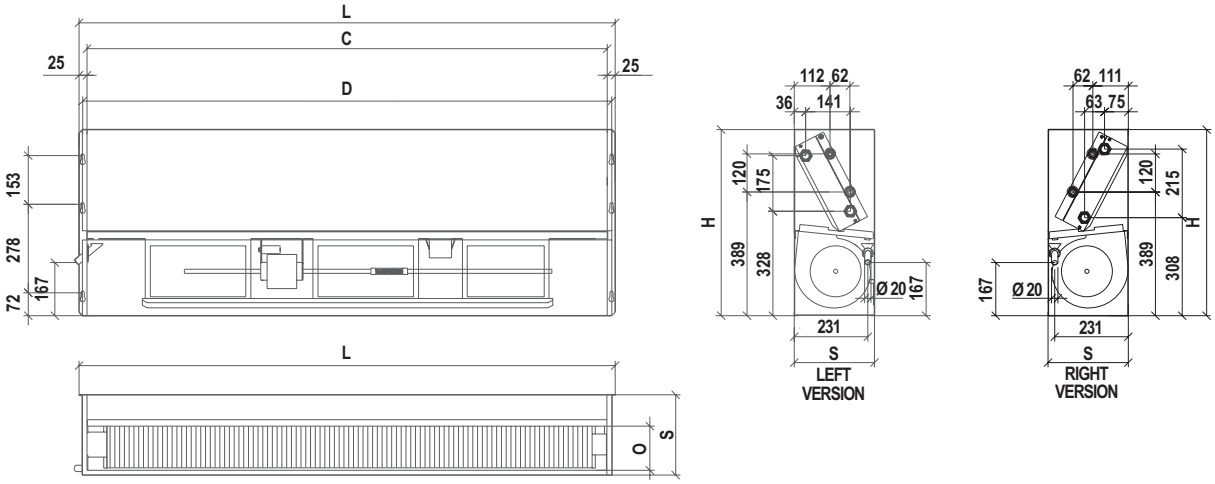
		Dimensions				Distance between slots		Standard coil				Auxiliary coil				N.o grilles	Conden. fitting
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	I	O
VCE19	A0015090019	480	660	225	370	395	233	39	109	274	137	103	53	337	67	4	352
VCE29	A0015090029	480	860	225	570	595	233	39	109	274	137	103	53	337	67	6	352
VCE39	A0015090039	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8	352
VCE49	A0015090049	480	1.060	225	770	795	233	39	109	274	137	103	53	337	67	8	352
VCE59	A0015090059	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10	352
VCE69	A0015090069	480	1.260	225	970	995	233	39	109	274	137	103	53	337	67	10	352
VCE79	A0015090079	585	1.260	225	970	995	253	41	107	268	253	101	52	374	124	10	402
VCE89	A0015090089	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12	402
VCE99	A0015090099	585	1.460	225	1.170	1.195	253	41	107	268	253	101	52	374	124	12	402
VCE109	A0015090109	605	1.661	257	1.335	1.362	-	-	-	-	-	-	-	-	-	14	422
VCE119	A0015090119	605	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17	422
VCE129	A0015090129	605	1.961	257	1.635	1.662	-	-	-	-	-	-	-	-	-	17	422

VERSIONE 2 - Versioni verticali ad incasso (mandata dell'aria verso l'alto)

VCE 12-92



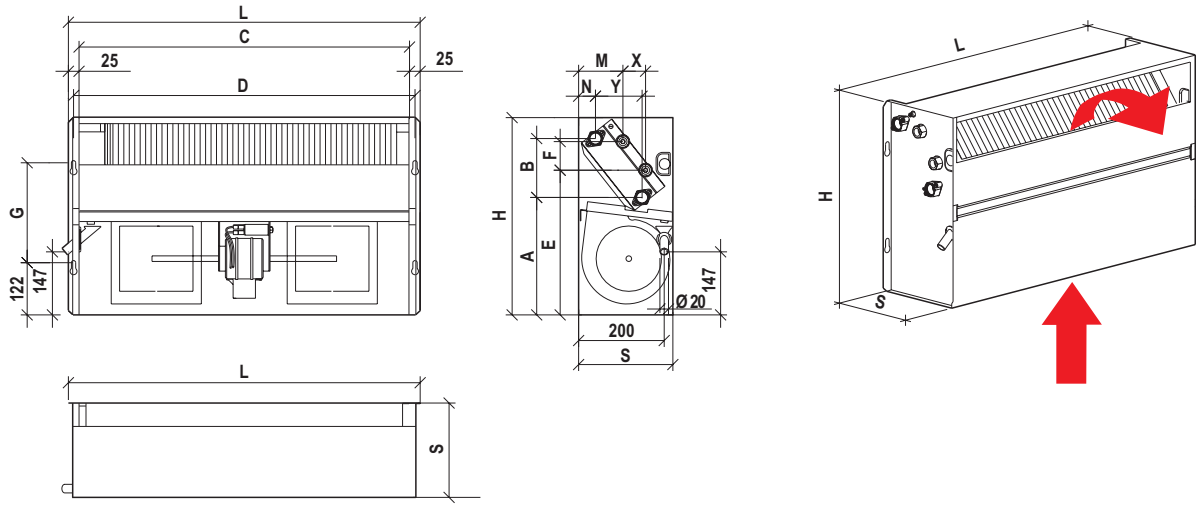
VCE 12-92



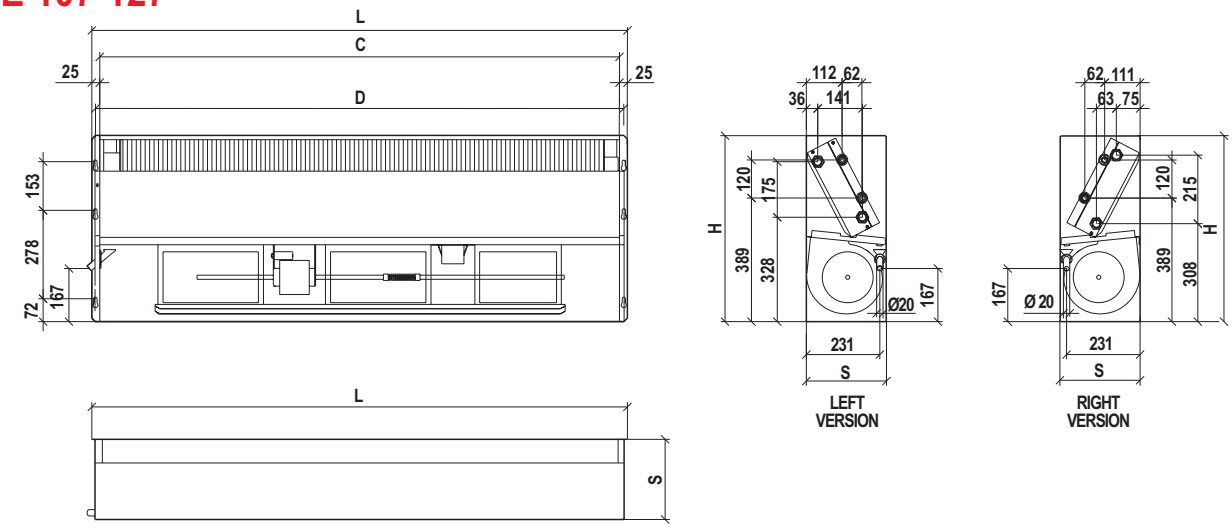
		Dimensions				Distance between slots		Standard coil				Auxiliary coil				
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	O
VCE12	A0015090012	460	420	220	370	395	233	39	109	274	137	103	53	337	67	134
VCE22	A0015090022	460	620	220	570	595	233	39	109	274	137	103	53	337	67	134
VCE32	A0015090032	460	820	220	770	795	233	39	109	274	137	103	53	337	67	134
VCE42	A0015090042	460	820	220	770	795	233	39	109	274	137	103	53	337	67	134
VCE52	A0015090052	460	1.020	220	970	995	233	39	109	274	137	103	53	337	67	134
VCE62	A0015090062	460	1.020	220	970	995	233	39	109	274	137	103	53	337	67	134
VCE72	A0015090072	565	1.020	220	970	995	253	41	107	268	253	101	52	374	124	119
VCE82	A0015090082	565	1.220	220	1.170	1.195	253	41	107	268	253	101	52	374	124	119
VCE92	A0015090092	565	1.220	220	1.170	1.195	253	41	107	268	253	101	52	374	124	119
VCE102	A0015090102	585	1.385	252	1.335	1.362	-	-	-	-	-	-	-	-	-	139
VCE112	A0015090112	585	1.685	252	1.635	1.662	-	-	-	-	-	-	-	-	-	139
VCE122	A0015090122	585	1.685	252	1.635	1.662	-	-	-	-	-	-	-	-	-	139

VERSIONE 7 - Vertical recessed models (frontal air discharge)

VCE 17-97



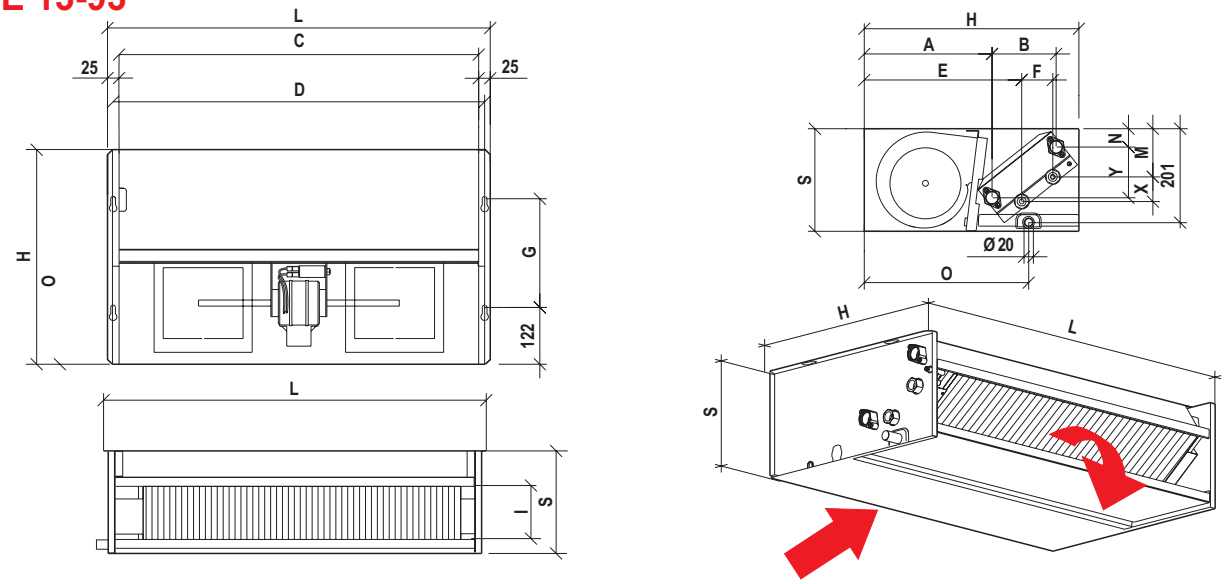
VCE 107-127



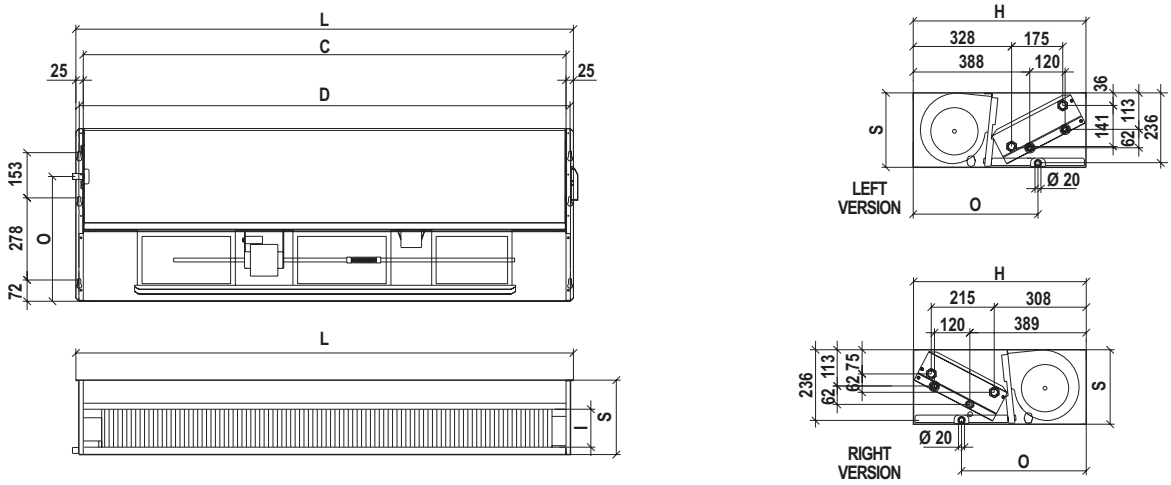
		Dimensions				Distance between slots		Standard coil				Auxiliary coil			
MOD.	CODE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F
VCE17	A0015090017	460	420	220	370	395	233	39	109	274	137	103	53	337	67
VCE27	A0015090027	460	620	220	570	595	233	39	109	274	137	103	53	337	67
VCE37	A0015090037	460	820	220	770	795	233	39	109	274	137	103	53	337	67
VCE47	A0015090047	460	820	220	770	795	233	39	109	274	137	103	53	337	67
VCE57	A0015090057	460	1.020	220	970	995	233	39	109	274	137	103	53	337	67
VCE67	A0015090067	460	1.020	220	970	995	233	39	109	274	137	103	53	337	67
VCE77	A0015090077	565	1.020	220	970	995	253	41	107	268	253	101	52	374	124
VCE87	A0015090087	565	1.220	220	1.170	1.195	253	41	107	268	253	101	52	374	124
VCE97	A0015090097	565	1.220	220	1.170	1.195	253	41	107	268	253	101	52	374	124
VCE107	A0015090107	585	1.385	252	1.335	1.362	-	-	-	-	-	-	-	-	-
VCE117	A0015090117	585	1.685	252	1.635	1.662	-	-	-	-	-	-	-	-	-
VCE127	A0015090127	585	1.685	252	1.635	1.662	-	-	-	-	-	-	-	-	-

VERSIONE 3 - Horizontal ceiling recessed models (top air dischange)

VCE 13-93



VCE 103-123



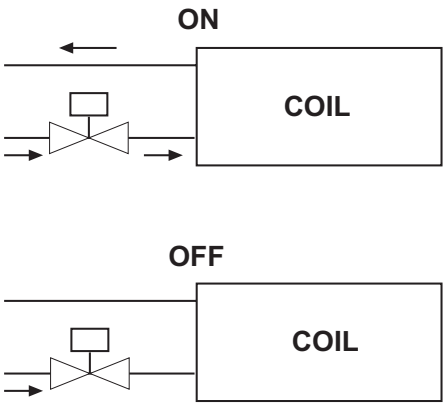
		Dimensions				Distance between slots		Standard coil				Auxiliary coil					
MOD.	CODICE	H	L	S	C	D	G	N	Y	A	B	M	X	E	F	I	O
VCE13	A0015090013	460	420	220	370	395	233	39	109	274	137	103	53	337	67	115	352
VCE23	A0015090023	460	620	220	570	595	233	39	109	274	137	103	53	337	67	115	352
VCE33	A0015090033	460	820	220	770	795	233	39	109	274	137	103	53	337	67	115	352
VCE43	A0015090043	460	820	220	770	795	233	39	109	274	137	103	53	337	67	115	352
VCE53	A0015090053	460	1.020	220	970	995	233	39	109	274	137	103	53	337	67	115	352
VCE63	A0015090063	460	1.020	220	970	995	233	39	109	274	137	103	53	337	67	115	352
VCE73	A0015090073	565	1.020	220	970	995	253	41	107	268	253	101	52	374	124	99	402
VCE83	A0015090083	565	1.220	220	1.170	1.195	253	41	107	268	253	101	52	374	124	99	402
VCE93	A0015090093	565	1.220	220	1.170	1.195	253	41	107	268	253	101	52	374	124	99	402
VCE103	A0015090103	585	1.385	252	1.335	1.362	-	-	-	-	-	-	-	-	-	129	422
VCE113	A0015090113	585	1.685	252	1.635	1.662	-	-	-	-	-	-	-	-	-	129	422
VCE123	A0015090123	585	1.685	252	1.635	1.662	-	-	-	-	-	-	-	-	-	129	422

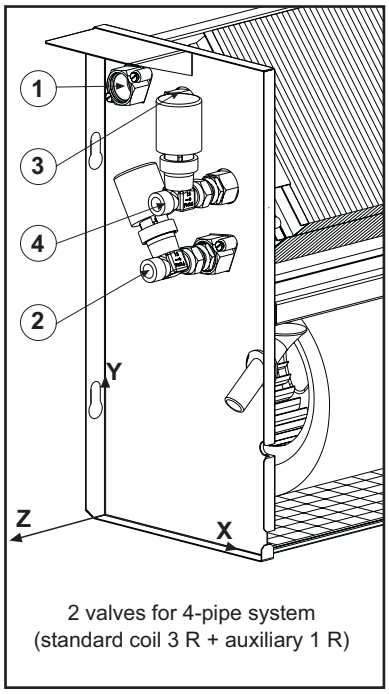
ON/OFF 2-WAY VALVE KIT

On/Off 2-way solenoid valves with bypass (2 fittings) are available.
The valve body is in brass; an on/off electrothermal actuator (power supply 230Vac) controls the membrane. When there is no power supply the valve is closed. The electrothermal actuator is silent during operation. The kit comprises valve body, electrothermal actuator, flared copper pipes, ring nuts and gaskets for fixing to the fan coil.
The valve kit is already installed on the fan coil complete with the water and electrical connections necessary for operation. The fan coil model and the coil (standard or auxiliary) to which the kit refers must be specified at the time of ordering.

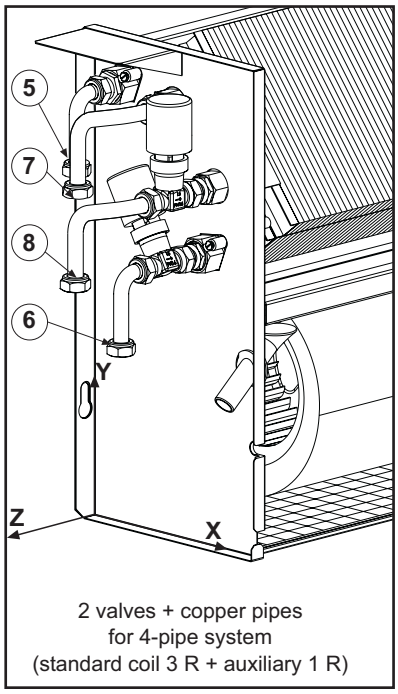
Technical data:

Electrical power supply	230 V/50-60 Hz
Input	3 VA
Breakaway starting current	0,3 A (230 V)
Working current	0,013 A (230 V)
Max travel	4 mm
Pressure	90 N
Opening time	3 min
Max. differential pressure (with valve Ø 1/2")	1,5 bar
Max. differential pressure (with valve Ø 3/4")	0,5 bar
Working room temperature	50°C
Protection rating (vertical inst.)	IP43
Protection rating (horizontal inst.)	IP40
Insulation	Double or reinforced
Connecting cable	Two pin Ø 0.5 mm^2
Size	68,5x50x50

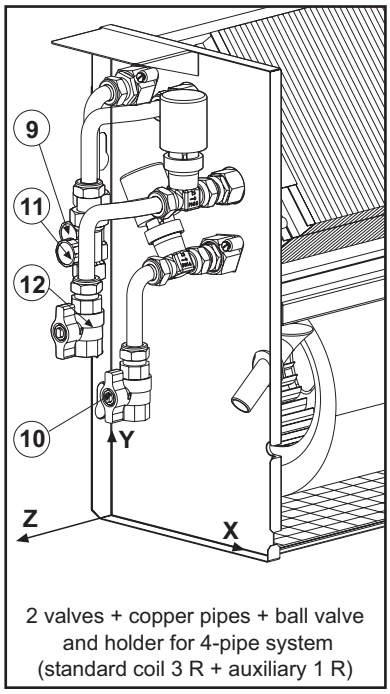




2 valves for 4-pipe system
(standard coil 3 R + auxiliary 1 R)



2 valves + copper pipes
for 4-pipe system
(standard coil 3 R + auxiliary 1 R)



2 valves + copper pipes + ball valve
and holder for 4-pipe system
(standard coil 3 R + auxiliary 1 R)

		VCE 10-60				VCE 70-90			
COIL	Rif.	X	Y	Z	Ø	X	Y	Z	Ø
STANDARD	1	40	10	18	3/4"F	39	411	25	3/4"F
	2	143	277	90	1/2"M	145	273	110	3/4"M
AUXILIARY	3	113	405	10	1/2"F	103	404	25	1/2"F
	4	155	333	83	1/2"M	155	373	95	3/4"M
STANDARD	5	40	343	55	1/2"F	38	483	55	3/4"F
	6	145	213	120	1/2"F	150	235	132	3/4"F
AUXILIARY	7	30	315	50	1/2"F	30	400	62	3/4"F
	8	80	245	105	1/2"F	77	277	122	3/4"F
STANDARD	9	40	260	55	1/2"F	38	388	55	3/4"F
	10	145	152	120	1/2"F	150	175	132	3/4"F
AUXILIARY	11	30	233	50	1/2"F	30	305	62	3/4"F
	12	80	185	105	1/2"F	77	220	122	3/4"F

		VCE 100-120 LEFT side				VCE 100-120 RIGHT side			
COIL	Rif.	X	Y	Z	Ø	X	Y	Z	Ø
STANDARD	1	34	503	4	3/4"M	75	523	9	3/4"M
	2	175	328	126	3/4"M	137	308	130	3/4"M
AUXILIARY	3	110	508	4	1/2"M	100	508	4	1/2"M
	4	173	388	91	1/2"M	174	388	126	1/2"M
STANDARD	5	34	471	149	3/4"F	32	484	150	3/4"F
	6	175	286	149	3/4"F	137	258	153	3/4"F
AUXILIARY	7	98	476	149	3/4"F	96	469	150	3/4"F
	8	134	304	156	3/4"F	124	339	150	3/4"F
STANDARD	9	36	355	149	1"F	32	377	150	1"F
	10	176	187	149	1"F	137	167	153	1"F
AUXILIARY	11	100	381	149	3/4"F	96	381	150	3/4"F
	12	136	249	156	3/4"F	174	292	150	3/4"F

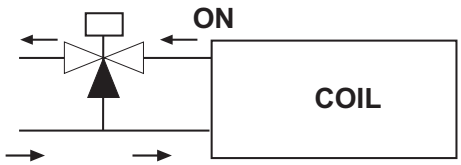
F= female gas fittings
M= male gas fittings

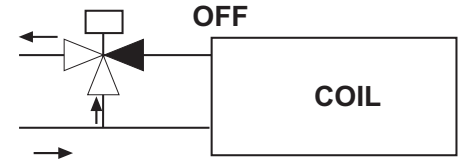
ON/OFF 3-WAY VALVE KIT

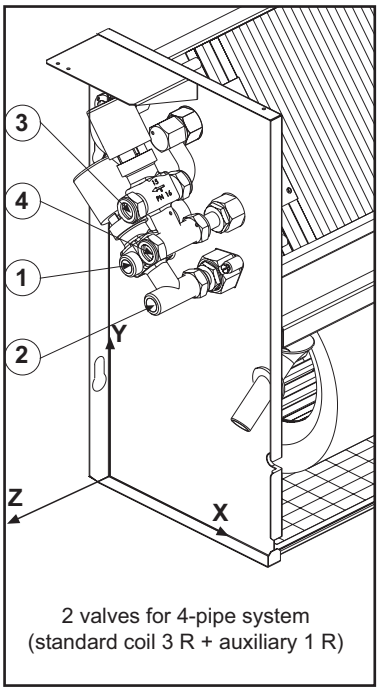
On/Off 3-way solenoid valves with bypass (4 fittings) are available.
The valve body is in brass; an on/off electrothermal actuator (power supply 230Vac) controls the membrane. When there is no power supply the valve is closed.
The electrothermal actuator is silent during operation.
The kit comprises valve body, electrothermal actuator, flared copper pipes, ring nuts and gaskets for fixing to the fan coil.
The valve kit is already installed on the fan coil complete with the water and electrical connections necessary for operation.
The fan coil model and the coil (standard or auxiliary) to which the kit refers must be specified at the time of ordering.

Technical data:

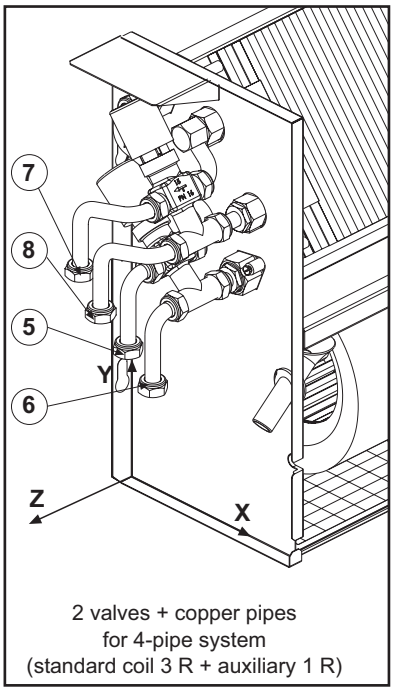
Electrical power supply	230 V/50-60 Hz
Input	3 VA
Breakaway starting current	0,3 A (230 V)
Working current	0,013 A (230 V)
Max travel	4 mm
Pressure	90 N
Opening time	3 min
Max. differential pressure (with valve Ø 1/2")	1,5 bar
Max. differential pressure (with valve Ø 3/4")	0,5 bar
Working room temperature	50°C
Protection rating (vertical inst.)	IP43
Protection rating (horizontal inst.)	IP40
Insulation	Double or reinforced
Connecting cable	Two pin Ø 0.5 mm^2
Size	68,5x50x50



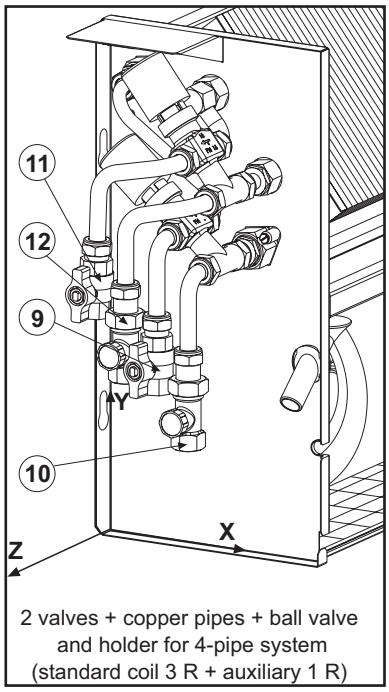




2 valves for 4-pipe system
(standard coil 3 R + auxiliary 1 R)



2 valves + copper pipes
for 4-pipe system
(standard coil 3 R + auxiliary 1 R)



2 valves + copper pipes + ball valve
and holder for 4-pipe system
(standard coil 3 R + auxiliary 1 R)

COIL	Rif.	VCE 10-60 X	Y	Z	Ø	VCE 70-90 X	Y	Z	Ø
STANDARD	1	115	295	90	1/2" M	110	293	110	3/4" M
	2	147	270	90	1/2" M	145	273	110	3/4" M
AUXILIARY	3	130	370	92	1/2" M	120	398	115	3/4" M
	4	155	335	92	1/2" M	153	375	115	3/4" M
STANDARD	5	115	225	110	1/2" F	110	255	133	3/4" F
	6	147	200	110	1/2" F	145	235	133	3/4" F
AUXILIARY	7	57	278	120	1/2" F	40	302	145	3/4" F
	8	85	250	120	1/2" F	82	277	145	3/4" F
STANDARD	9	115	165	110	1/2" F	110	162	133	3/4" F
	10	147	122	110	1/2" F	145	178	133	3/4" F
AUXILIARY	11	55	220	117	1/2" F	40	205	145	3/4" F
	12	87	167	117	1/2" F	82	220	145	3/4" F

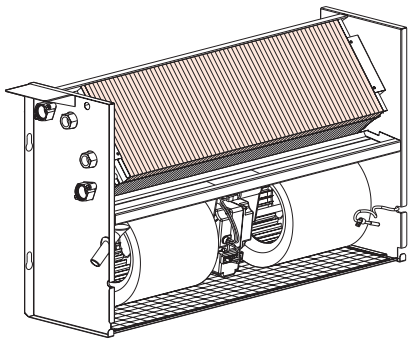
COIL	Rif.	VCE 100-120 LEFT side X	Y	Z	Ø	VCE 100-120 RIGHT side X	Y	Z	Ø
STANDARD	1	85	376	125	3/4"M	71	385	124	3/4"M
	2	174	328	125	3/4"M	135	307	124	3/4"M
AUXILIARY	3	140	413	106	1/2"M	139	412	106	1/2"M
	4	173	388	106	1/2"M	171	387	106	1/2"M
STANDARD	5	16	274	146	3/4"F	30	263	158	3/4"F
	6	176	285	146	3/4"F	137	265	145	3/4"F
AUXILIARY	7	95	298	171	3/4"F	87	330	158	3/4"F
	8	135	303	171	3/4"F	173	345	156	3/4"F
STANDARD	9	16	160	146	1"F	30	148	158	1"F
	10	176	187	146	1"F	137	167	145	1"F
AUXILIARY	11	95	244	171	3/4"F	87	235	158	3/4"F
	12	135	209	171	3/4"F	173	291	156	3/4"F

F= female gas fittings
M= male gas fittings

SINGLE ROW AUXILIARY COIL

This is used in 4-pipe systems, which comprise 2 independent water circuits: one for cooling and the other for heating. In this case the auxiliary coil is used for heating. The constructional characteristics are similar to those of the main coil with brass inlet/outlet headers and air valves. The fittings have a diameter of 1/2" with internal GAS thread.
The fan coil model in which the auxiliary coil is to be installed must be specified at the time of ordering.

		Heating capacity		Water flow		Water pressure drops	
MOD.	CODE	W	kCal/h	l/h	l/s	kPa	m.C.A.
VCE10	A0055560001	1.261	1.087	109	0,030	0,3	0,03
VCE20	A0055560002	1.894	1.633	163	0,405	0,7	0,07
VCE30	A0055560003	2.726	2.350	235	0,065	1,7	0,17
VCE40	A0055560004	2.887	2.489	249	0,069	2,0	0,20
VCE50	A0055560005	3.489	3.008	301	0,084	3,4	0,34
VCE60	A0055560006	4.131	3.561	356	0,176	4,2	0,42
VCE70	A0055560007	5.044	4.348	435	0,121	7,5	0,75
VCE80	A0055560008	6.193	5.339	534	0,148	13,9	1,39
VCE90	A0055560009	7.665	6.608	661	0,184	21,7	2,17
VCE100	A0055560010	8.388	7.231	739	0,205	48,4	4,84
VCE110	A0055560011	10.111	8.716	981	0,273	27,0	2,70
VCE120	A0055560012	11.433	9.856	1.008	0,280	34,0	3,40

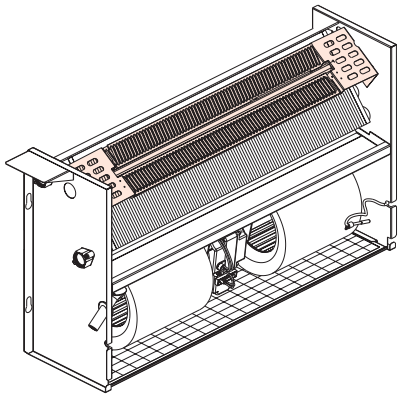


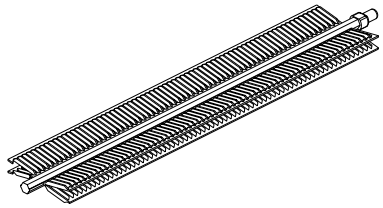
The technical data refer to the following conditions:
Mmaximum fan speed; indicated water flow rate; inflowing water temperature at **70°C**; heat drop of **10°C**; inflowing air temperature at **20°C**.

ELECTRIC HEATER

The heating element kit is used during heating to integrate the heating power of the main coil or alternatively as the only heating element. The power of the heating element depends on the size of the fan coil on which it is mounted; the larger the fan coil the greater the power of the heating element. The kit comprises the heating element with aluminium heatsink, safety thermostat, control relay and relative wiring and is already built into the fan coil complete with all electrical connections

		Heating capacity	
MOD.	CODICE	W	A
VCE10	-	-	-
VCE20	A0055550002	1.000	4,35
VCE30	A0055550003	1.000	4,35
VCE40	A0055550003	1.000	4,35
VCE50	A0055550004	2.000	8,70
VCE60	A0055550004	2.000	8,70
VCE70	A0055550004	2.000	8,70
VCE80	A0055550005	3.000	13,04
VCE90	A0055550005	3.000	13,04
VCE100	*	*	*
VCE110	*	*	*
VCE120	*	*	*





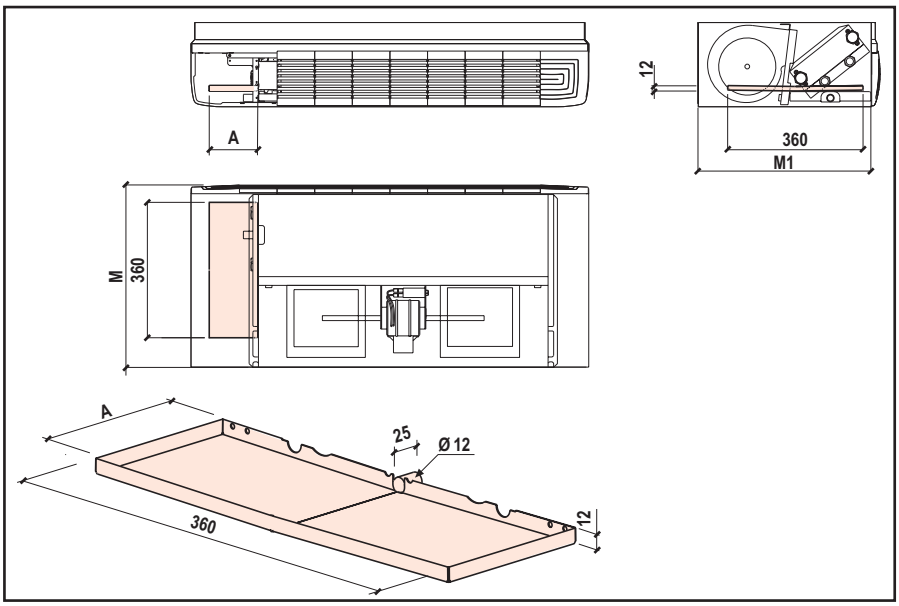
** On request!*

ELECTRICAL SUPPLY:
230 Vac / 1 / 50 Hz

AUXILIARY CONDENSATE COLLECTING TRAY – horizontal version (INSULATED)

The painted, galvanised sheet metal auxiliary tray is used to collect condensate from the valves and the pipes connecting to the unit. It is suitable for horizontally mounted fan coils.

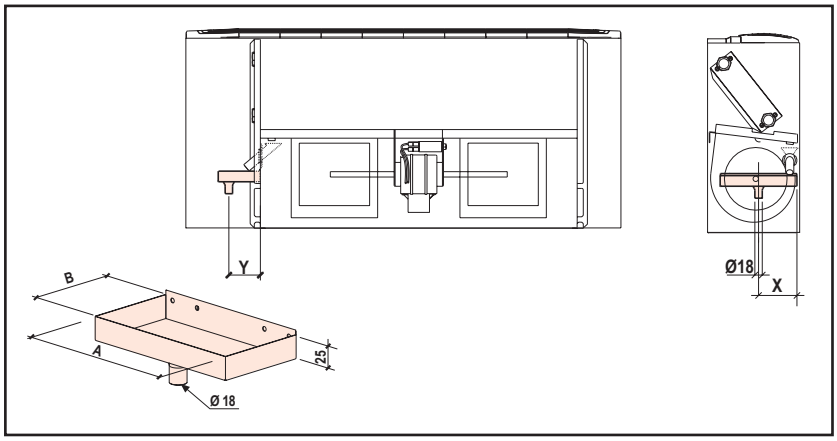
MOD.	CODE	A	M	M1
		mm	mm	mm
VCE10	A0055640051	130	480	460
VCE20	A0055640051	130	480	460
VCE30	A0055640051	130	480	460
VCE40	A0055640051	130	480	460
VCE50	A0055640051	130	480	460
VCE60	A0055640051	130	480	460
VCE70	A0055640063	160	585	565
VCE80	A0055640063	160	585	565
VCE90	A0055640063	160	585	565
VCE100	A0055640063	160	605	585
VCE110	A0055640063	160	605	585
VCE120	A0055640063	160	605	585



AUXILIARY CONDENSATE COLLECTING TRAY – vertical version (INSULATED)

The painted, galvanised sheet metal auxiliary tray is used to collect condensate from the valves and the pipes connecting to the unit. It is suitable for vertically mounted fan coils.

MOD.	CODE	A	B	X	Y
		mm	mm	mm	mm
VCE10	A0055640049	187	102	93,5	51
VCE20	A0055640049	187	102	93,5	51
VCE30	A0055640049	187	102	93,5	51
VCE40	A0055640049	187	102	93,5	51
VCE50	A0055640049	187	102	93,5	51
VCE60	A0055640049	187	102	93,5	51
VCE70	A0055640049	187	102	93,5	51
VCE80	A0055640049	187	102	93,5	51
VCE90	A0055640049	187	102	93,5	51
VCE100	A0055640050	246	130	126	65
VCE110	A0055640050	246	130	126	65
VCE120	A0055640050	246	130	126	65



CONDENSATE DRAIN PUMP

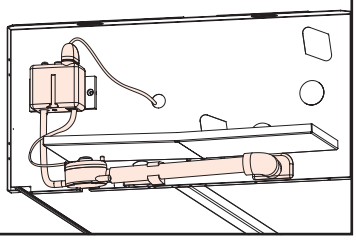
This pump is used to eliminate the condensation that collects in the tray in installations where there is no self-emptying outlet. The pump comes with filter to withhold impurities, float with activation contact, suction pipe, pump body complete with control electronics and overheating protection, wiring.

PUMP Alarm contact normally closed that automatically cuts off the air conditioning system compressor or valve, thermal protection 90° on the pump coil, electrical connection by plug (delivered with 1 m cable), rubber mounting bracket included..

AVANTAGES Small size, low noise level.

MOD.	COCE
VCE10-60	A0055550000
VCE70-120	A0055550001

Version for HORIZONTAL FAN-COIL

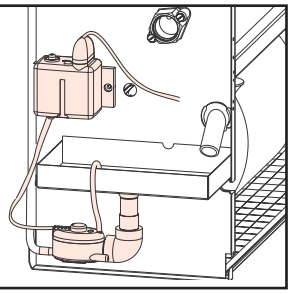


For models VCE1x÷VCE6x

Mains supply	230V - 50Hz 18W
Max. flow rate	8 l/h
Max. suction head	1 m
Max. discharge head	6 m
Alarm contact	NC 8 A resistive
Thermal protection (overheat)	90°C
Sound level	<28dB(A) a 1 m
Pump dimensions	L 66 x l 44 x h 60 mm
Detection unit dimensions	L 55 x l 38 x h 32 mm
Weight (including box)	±0.350 kg

MOD.	COCE
VCE10-60	A0055550002
VCE70-120	A0055550003

Version for VERTICAL FAN-COIL



For models VCE7x÷VCE12x

Mains supply	230V - 50Hz 18W
Max. flow rate	20 l/h
Max. suction head	2 m
Max. discharge head	6 m
Alarm contact	NC 8 A resistive
Thermal protection (overheat)	90°C
Sound level	<34dB(A) a 1 m
Pump dimensions	L 66 x l 44 x h 60 mm
Detection unit dimensions	L 55 x l 38 x h 32 mm
Weight (including box)	±0.350 kg

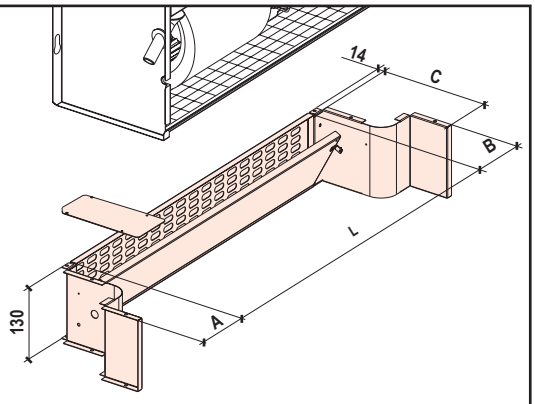
FRESH AIR LOUVER

The air lock is made in galvanised sheet metal and may be provided with manual control (placed in line with the same) or with electric servo control. It is installed at the bottom of the fan coil on the intake line. It may be installed on both the wall-mounted vertical and the ceiling-mounted horizontal versions. For correct installation, the fan coil must have a pair of feet or intake plinths. **Air flow**: Internal: 78% - External: 22% - Total: 100%

MOD.	CODE	L	A	B	C
		mm	mm	mm	mm
VCE10	A0055470001	255	105	105	200
VCE20	A0055470002	455	105	105	200
VCE30	A0055470003	655	105	105	200
VCE40	A0055470003	655	105	105	200
VCE50	A0055470004	855	105	105	200
VCE60	A0055470004	855	105	105	200
VCE70	A0055470004	855	105	105	200
VCE80	A0055470005	1.055	105	105	200
VCE90	A0055470005	1.055	105	105	200
VCE100	A0055470006	1.180	140	140	230
VCE110	A0055470007	1.480	140	140	230
VCE120	A0055470007	1.480	140	140	230

For VERTICAL VERSION

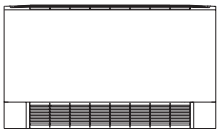
VCEx0



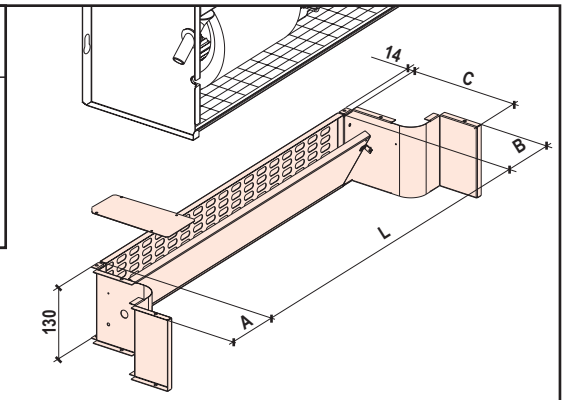
FRESH AIR LOUVER

MOD.	CODE	L	A	B	C
		mm	mm	mm	mm
VCE18	A0055470021	255	105	105	200
VCE28	A0055470022	455	105	105	200
VCE38	A0055470023	655	105	105	200
VCE48	A0055470023	655	105	105	200
VCE58	A0055470024	855	105	105	200
VCE68	A0055470024	855	105	105	200
VCE78	A0055470024	855	105	105	200
VCE88	A0055470025	1.055	105	105	200
VCE98	A0055470025	1.055	105	105	200
VCE108	A0055470026	1.180	140	140	230
VCE118	A0055470027	1.480	140	140	230
VCE128	A0055470027	1.480	140	140	230

For VERTICAL VERSION

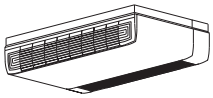


VCEx8

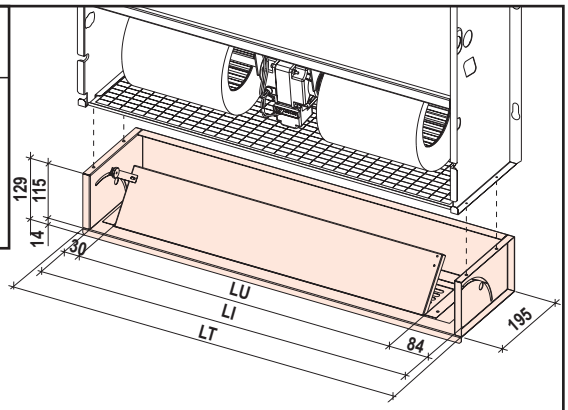


MOD.	CODE	LU	LI	LT
		mm	mm	mm
VCE11	A0055470028	253	367	397
VCE21	A0055470029	453	567	597
VCE31	A0055470030	653	767	797
VCE41	A0055470030	653	767	797
VCE51	A0055470031	853	967	997
VCE61	A0055470031	853	967	997
VCE71	A0055470031	853	967	997
VCE81	A0055470032	1.053	1.167	1.197
VCE91	A0055470032	1.053	1.167	1.197
VCE101	A0055470033	1.208	1.322	1.352
VCE111	A0055470034	1.408	1.522	1.552
VCE121	A0055470034	1.408	1.522	1.552

For HORIZONTAL VERSION

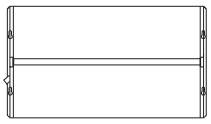


VCEx1

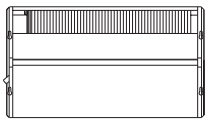


MOD.	CODE	LU	LI	LT
		mm	mm	mm
VCE12/7	A0055470039	255	313	397
VCE22/7	A0055470040	455	513	597
VCE32/7	A0055470041	655	713	797
VCE42/7	A0055470041	655	713	797
VCE52/7	A0055470042	855	913	997
VCE62/7	A0055470042	855	913	997
VCE72/7	A0055470042	855	913	997
VCE82/7	A0055470043	1.055	1.113	1.197
VCE92/7	A0055470043	1.055	1.113	1.197
VCE102/7	A0055470044	1.210	1.268	1.352
VCE112/7	A0055470045	1.410	1.468	1.552
VCE122/7	A0055470045	1.410	1.468	1.552

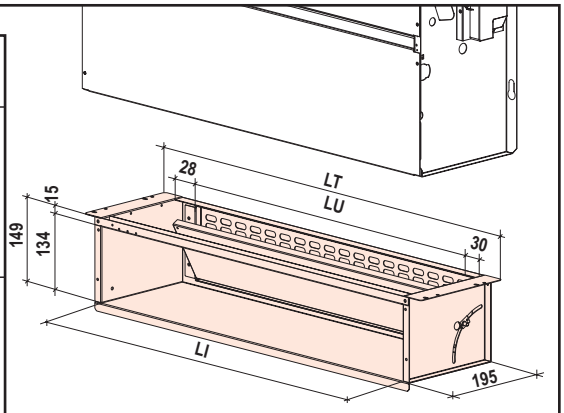
For RECESSED VERTICAL VERSION



VCEx2

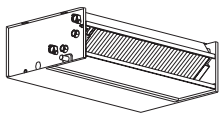


VCEx7

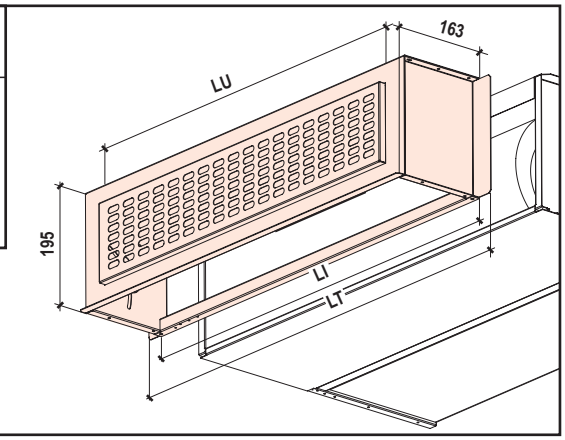


MOD.	CODE	LU	LI	LT
		mm	mm	mm
VCE13	A0055470046	255	313	397
VCE23	A0055470047	455	513	597
VCE33	A0055470048	655	713	797
VCE43	A0055470048	655	713	797
VCE53	A0055470049	855	913	997
VCE63	A0055470049	855	913	997
VCE73	A0055470049	855	913	997
VCE83	A0055470050	1.055	1.113	1.197
VCE93	A0055470050	1.055	1.113	1.197
VCE103	A0055470051	1.210	1.268	1.352
VCE113	A0055470052	1.410	1.468	1.552
VCE123	A0055470052	1.410	1.468	1.552

For RECESSED HORIZONTAL VERSION



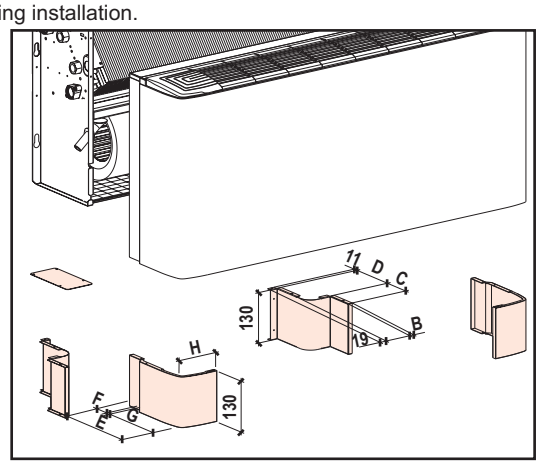
VCEx3



PAIR OF ENAMELLED FEET

Pair of feet in pre-enamelled sheet metal designed to support the fan coil for floor-standing installation.

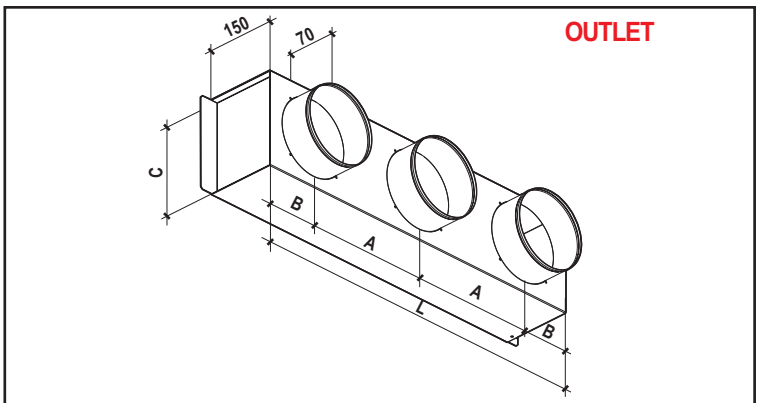
MOD.	CODE	A	B	C	D	E	F	G	H
		mm	mm	mm	mm	mm	mm	mm	mm
VCE10	A0055490004	68	10	75	125	225	45	170	110
VCE20	A0055490004	68	10	75	125	225	45	170	110
VCE30	A0055490004	68	10	75	125	225	45	170	110
VCE40	A0055490004	68	10	75	125	225	45	170	110
VCE50	A0055490004	68	10	75	125	225	45	170	110
VCE60	A0055490004	68	10	75	125	225	45	170	110
VCE70	A0055490004	68	10	75	125	225	45	170	110
VCE80	A0055490004	68	10	75	125	225	45	170	110
VCE90	A0055490004	68	10	75	125	225	45	170	110
VCE100	A0055490005	105	14	100	129	256	-	-	112
VCE110	A0055490005	105	14	100	129	256	-	-	112
VCE120	A0055490005	105	14	100	129	256	-	-	112



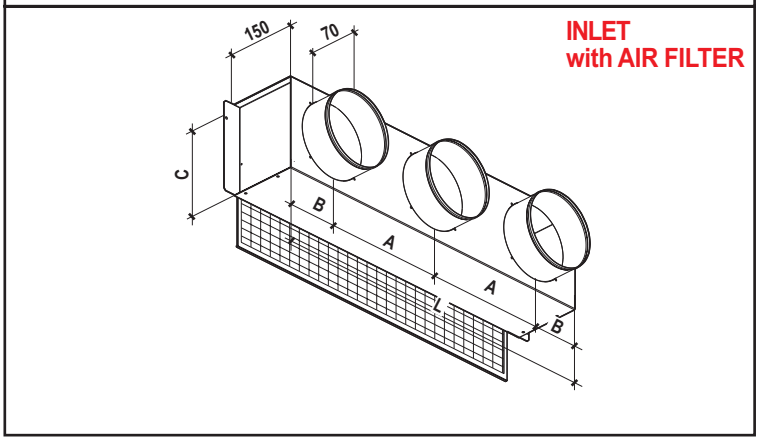
OUTLET UNIONS AND INLET UNIONS (WITH AIR FILTER) WITH CIRCULAR FITTINGS

The painted, galvanised sheet metal plenum with circular fittings is used to convey the air with vertical or horizontal built-in fan coil installation. The air filter may be easily drawn out for inspection or cleaning.

MOD.	CODE	A	B	C	L	N.xØ
		mm	mm	mm	mm	n
VCE10	A0055500024	-	171,5	195	343	1x160
VCE20	A0055500025	327	108	195	543	2x160
VCE30	A0055500026	263,5	108	195	743	3x160
VCE40	A0055500026	263,5	108	195	743	3x160
VCE50	A0055500027	242,5	108	195	943	4x160
VCE60	A0055500027	242,5	108	195	943	4x160
VCE70	A0055500027	242,5	108	195	943	4x160
VCE80	A0055500028	309	108	195	1.143	4x160
VCE90	A0055500028	309	108	195	1.143	4x160
VCE100	A0055500029	350	157,5	240	1.365	4x200
VCE110	A0055500030	324,3	164	240	1.665	5x200
VCE120	A0055500030	324,3	164	240	1.665	5x200



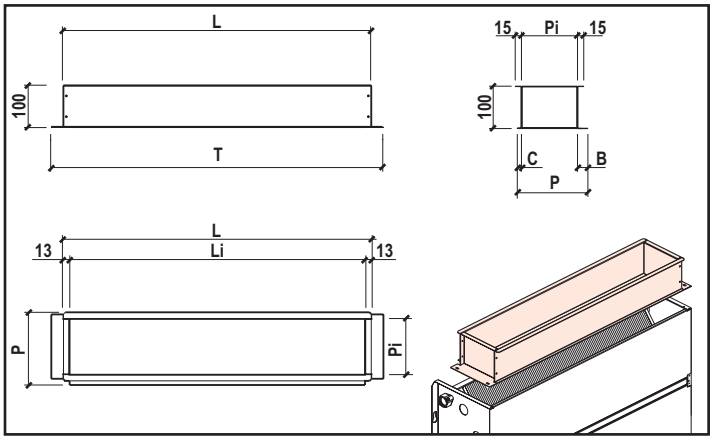
MOD.	CODE	A	B	C	L	N.xØ
		mm	mm	mm	mm	n
VCE10	A0055500045	-	171,5	195	343	1x160
VCE20	A0055500046	327	108	195	543	2x160
VCE30	A0055500047	263,5	108	195	743	3x160
VCE40	A0055500047	263,5	108	195	743	3x160
VCE50	A0055500048	242,5	108	195	943	4x160
VCE60	A0055500048	242,5	108	195	943	4x160
VCE70	A0055500048	242,5	108	195	943	4x160
VCE80	A0055500049	309	108	195	1.143	4x160
VCE90	A0055500049	309	108	195	1.143	4x160
VCE100	A0055500050	350	157,5	240	1.365	4x200
VCE110	A0055500051	324,3	164	240	1.665	5x200
VCE120	A0055500051	324,3	164	240	1.665	5x200



STRAIGHT OUTLET FITTING

In galvanised sheet metal, it is used to convey air with vertical or horizontal built-in fan coil installation.

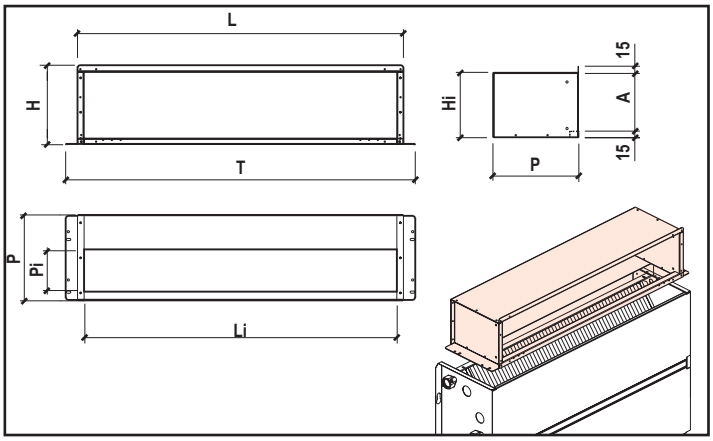
MOD.	CODE	L	Li	T	P	Pi	A	B	C
		mm	mm	mm	mm	mm	mm	mm	mm
VCE10	A0055500010	343	317	397	170	135	13	25	10
VCE20	A0055490011	543	517	597	170	135	13	25	10
VCE30	A0055490012	743	717	797	170	135	13	25	10
VCE40	A0055490012	743	717	797	170	135	13	25	10
VCE50	A0055490013	943	917	997	170	135	13	25	10
VCE60	A0055490013	943	917	997	170	135	13	25	10
VCE70	A0055490013	943	917	997	170	135	13	25	10
VCE80	A0055490014	1.143	1.117	1.197	170	135	13	25	10
VCE90	A0055490014	1.143	1.117	1.197	170	135	13	25	10
VCE100	A0055490015	1.365	1.335	*	160	149	15	10	*
VCE110	A0055490016	1.665	1.635	*	160	149	15	10	*
VCE120	A0055490016	1.665	1.635	*	160	149	15	10	*



90° OUTLET ELBOW

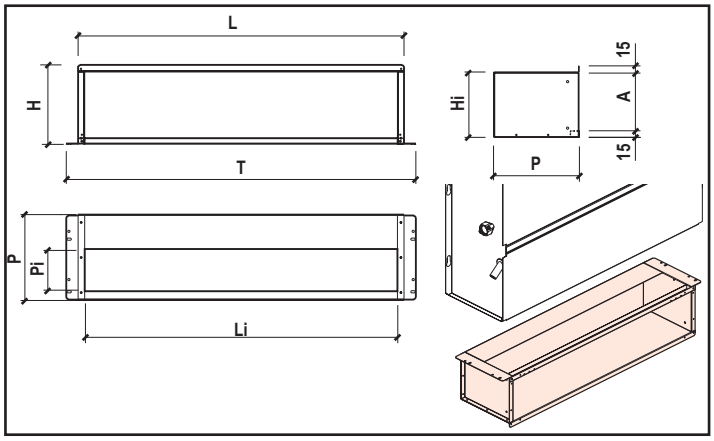
In galvanised sheet metal, it is used to convey air with vertical or horizontal built-in fan coil installation.

MOD.	CODE	L	Li	T	P	Pi	H	Hi	A
		mm	mm	mm	mm	mm	mm	mm	mm
VCE10	A0055500017	343	313	397	195	95	165	150	135
VCE20	A0055490018	543	513	597	195	95	165	150	135
VCE30	A0055490019	743	713	797	195	95	165	150	135
VCE40	A0055490019	743	713	797	195	95	165	150	135
VCE50	A0055490020	943	913	997	195	95	165	150	135
VCE60	A0055490020	943	913	997	195	95	165	150	135
VCE70	A0055490020	943	913	997	195	95	165	150	135
VCE80	A0055490021	1.143	1.113	1.197	195	95	165	150	135
VCE90	A0055490021	1.143	1.113	1.197	195	95	165	150	135
VCE100	A0055490022	1.365	1.335	*	231	130	178	164	148
VCE110	A0055490023	1.665	1.635	*	231	130	178	164	148
VCE120	A0055490023	1.665	1.635	*	231	130	178	164	148



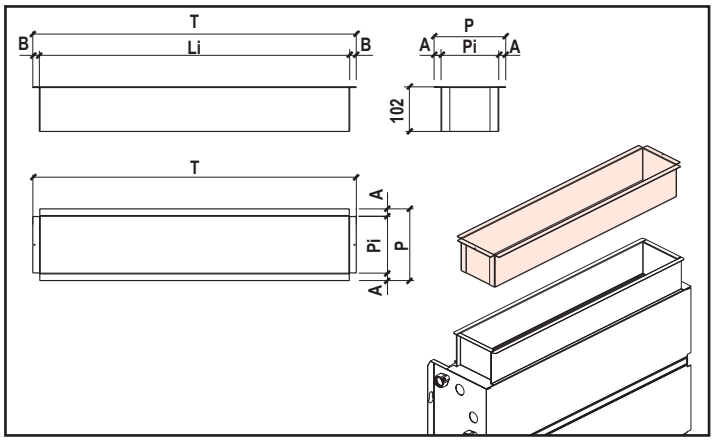
90° INTAKE ELBOW

MOD.	CODE	L	Li	T	P	Pi	H	Hi	A
		mm	mm	mm	mm	mm	mm	mm	mm
VCE10	A0055500038	343	313	397	195	95	165	150	135
VCE20	A0055490039	543	513	597	195	95	165	150	135
VCE30	A0055490040	743	713	797	195	95	165	150	135
VCE40	A0055490040	743	713	797	195	95	165	150	135
VCE50	A0055490041	943	913	997	195	95	165	150	135
VCE60	A0055490041	943	913	997	195	95	165	150	135
VCE70	A0055490041	943	913	997	195	95	165	150	135
VCE80	A0055490042	1.143	1.113	1.197	195	95	165	150	135
VCE90	A0055490042	1.143	1.113	1.197	195	95	165	150	135
VCE100	A0055490043	1.365	1.335	*	231	130	178	164	148
VCE110	A0055490044	1.665	1.635	*	231	130	178	164	148
VCE120	A0055490044	1.665	1.635	*	231	130	178	164	148



TELESCOPIC EXTENSION FOR STRAIGHT FITTINGS AND ELBOWS

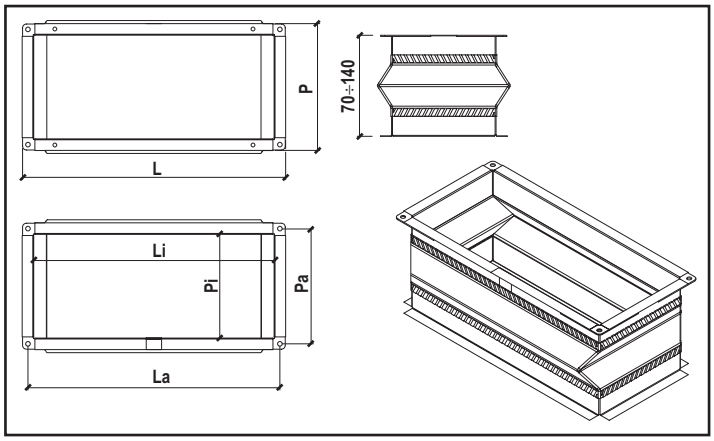
MOD.	CODE	Li	T	P	Pi	A	B
		mm	mm	mm	mm	mm	mm
VCE10	A0055500031	307	340	149	129	10	10
VCE20	A0055490032	507	540	149	129	10	10
VCE30	A0055490033	707	740	149	129	10	10
VCE40	A0055490033	707	740	149	129	10	10
VCE50	A0055490034	907	940	149	129	10	10
VCE60	A0055490034	907	940	149	129	10	10
VCE70	A0055490034	907	940	149	129	10	10
VCE80	A0055490035	1.107	1.140	149	129	10	10
VCE90	A0055490035	1.107	1.140	149	129	10	10
VCE100	A0055490036	1.328	1.364	179	147	16	18
VCE110	A0055490037	1.628	1.664	179	147	16	18
VCE120	A0055490037	1.628	1.664	179	147	16	18



ANTI-VIBRATIN JOINT

Made of galvanized steel with double silicon fabric (for high temperatures). It is suitable to connect fancoils to straight and 90° plenums in order toreduce noiseand/or vibrations.

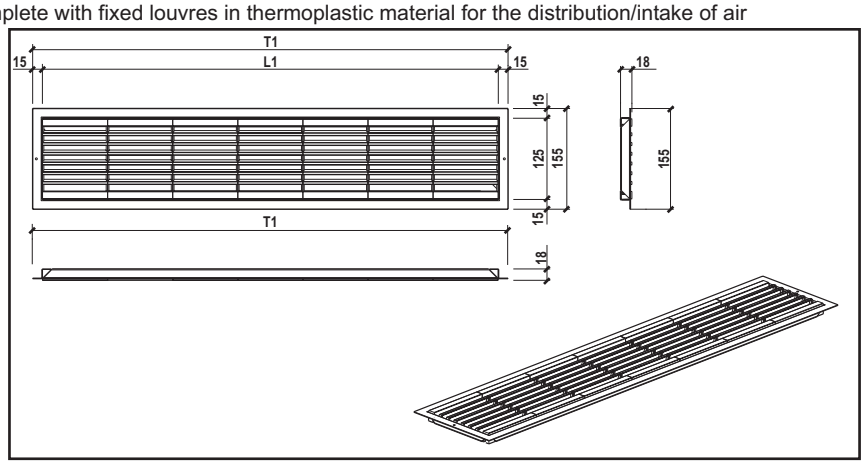
MOD.	CODE	L	La	Li	P	Pa	Pi
		mm	mm	mm	mm	mm	mm
VCE10	A0055500145	342	328	313	165	150	135
VCE20	A0055500146	542	528	513	165	150	135
VCE30	A0055500147	742	728	713	165	150	135
VCE40	A0055500147	742	728	713	165	150	135
VCE50	A0055500148	942	928	913	165	150	135
VCE60	A0055500148	942	928	913	165	150	135
VCE70	A0055500148	942	928	913	165	150	135
VCE80	A0055500149	1.142	1.128	1.113	165	150	135
VCE90	A0055500149	1.142	1.128	1.113	165	150	135
VCE100	A0055500150	1.365	1.351	1.336	179	164	149
VCE110	A0055500151	1.665	1.651	1.636	179	164	149
VCE120	A0055500151	1.665	1.651	1.636	179	164	149



OUTLET LOUVRES and INTAKE ABS GRILLE (with air filter)

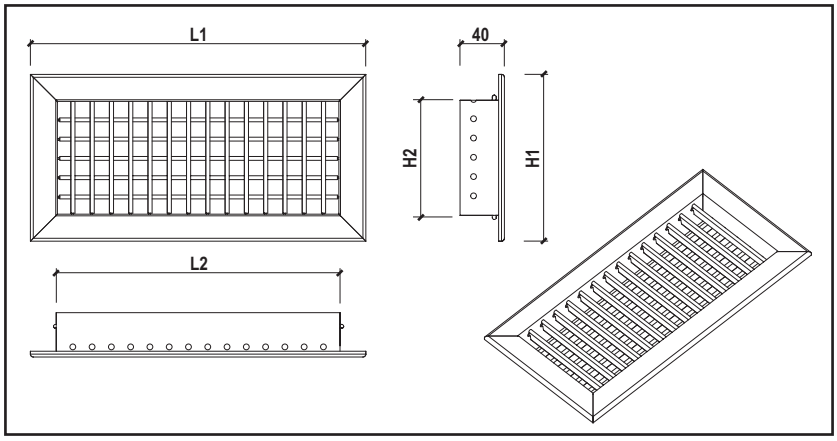
In high-strength enamelled sheet metal, they are complete with fixed louvres in thermoplastic material for the distribution/intake of air

MOD.	CODE Outlet	CODE Inlet	L1 mm	T1 mm
VCE10	A0055520000	A0055520025	300	330
VCE20	A0055520001	A0055520026	500	530
VCE30	A0055520002	A0055520027	700	730
VCE40	A0055520002	A0055520027	700	730
VCE50	A0055520003	A0055520028	900	930
VCE60	A0055520003	A0055520028	900	930
VCE70	A0055520003	A0055520028	900	930
VCE80	A0055520004	A0055520029	1.100	1.130
VCE90	A0055520004	A0055520029	1.100	1.130
VCE100	*	*	*	*
VCE110	*	*	*	*
VCE120	*	*	*	*



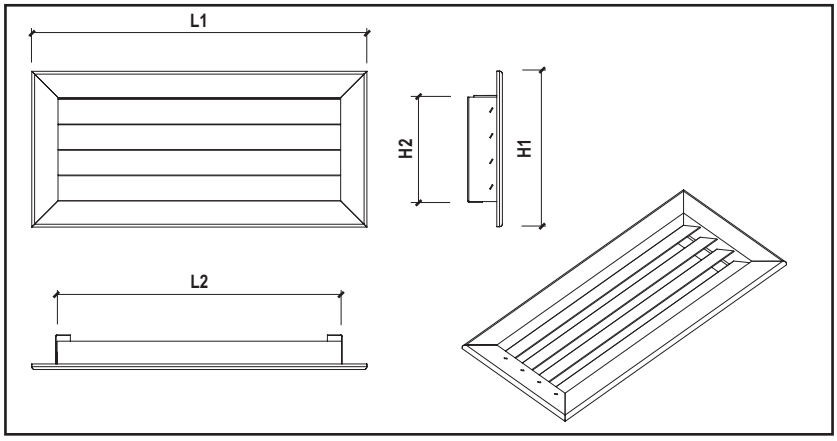
ALUMINIUM ADJUSTABLE SUPPLY AIR GRILL (without filter)

MOD.	CODE	L1 mm	H1 mm	L2 mm	H2 mm
VCE10	A0055520060	348	173	295	120
VCE20	A0055520061	548	173	495	120
VCE30	A0055520062	748	173	695	120
VCE40	A0055520062	748	173	695	120
VCE50	A0055520063	948	173	895	120
VCE60	A0055520063	948	173	895	120
VCE70	A0055520063	948	173	895	120
VCE80	A0055520064	1.148	173	1.095	120
VCE90	A0055520064	1.148	173	1.095	120
VCE100	A0055520065	1.376	173	1.320	120
VCE110	A0055520066	1.676	181	1.620	128
VCE120	A0055520066	1.676	181	1.620	128

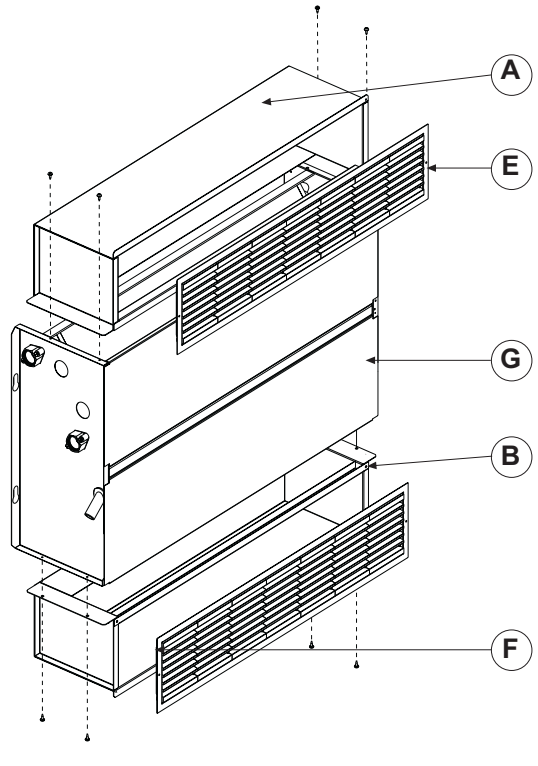


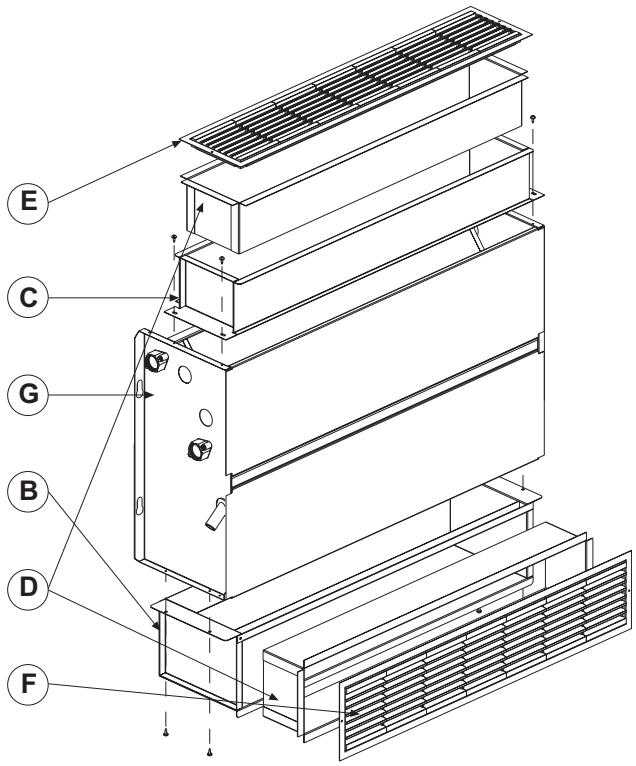
ALUMINIUM FIX INTAKE AIR GRILL WITH AIR FILTER

MOD.	CODE	L1 mm	H1 mm	L2 mm	H2 mm
VCE10	A0055520046	355	165	303	112
VCE20	A0055520047	555	165	503	112
VCE30	A0055520048	755	165	703	112
VCE40	A0055520048	755	165	703	112
VCE50	A0055520049	955	165	903	112
VCE60	A0055520049	955	165	903	112
VCE70	A0055520049	955	165	903	112
VCE80	A0055520050	1.155	165	1.103	112
VCE90	A0055520050	1.155	165	1.103	112
VCE100	A0055520051	1.374	179	1.322	126
VCE110	A0055520052	1.674	179	1.622	126
VCE120	A0055520052	1.674	179	1.622	126



EXAMPLE OF USE OF FITTINGS AND GRILLES/LOUVRES



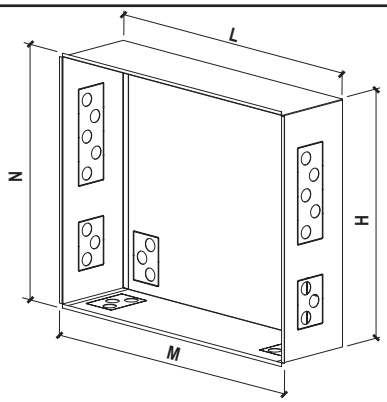


A Elbow on outlet
B Elbow on intake
C Straight fitting on outlet
D Telescopic extension for straight fittings and elbows
E Outlet louvres (without air filter)
F Intake grille (with air filter)
G Fan coil

SPECIAL STEEL BOX FOR VCEx7

The galvanized sheet metal box is used to ease the installation of the recessed fan coil version X7 (frontal air supply) inside the niche.

MOD.	CODE	L	H	P	M	N
		mm	mm	mm	mm	mm
VCE17	A0055430001	610	675	225	630	690
VCE27	A0055430002	810	675	225	830	690
VCE37	A0055430003	1.010	675	225	1.030	690
VCE47	A0055430003	1.010	675	225	1.030	690
VCE57	A0055430004	1.210	675	225	1.230	690
VCE67	A0055430004	1.210	675	225	1.230	690
VCE77	A0055430005	1.210	780	225	1.230	795
VCE87	A0055430006	1.410	780	225	1.430	795
VCE97	A0055430006	1.410	780	225	1.430	795

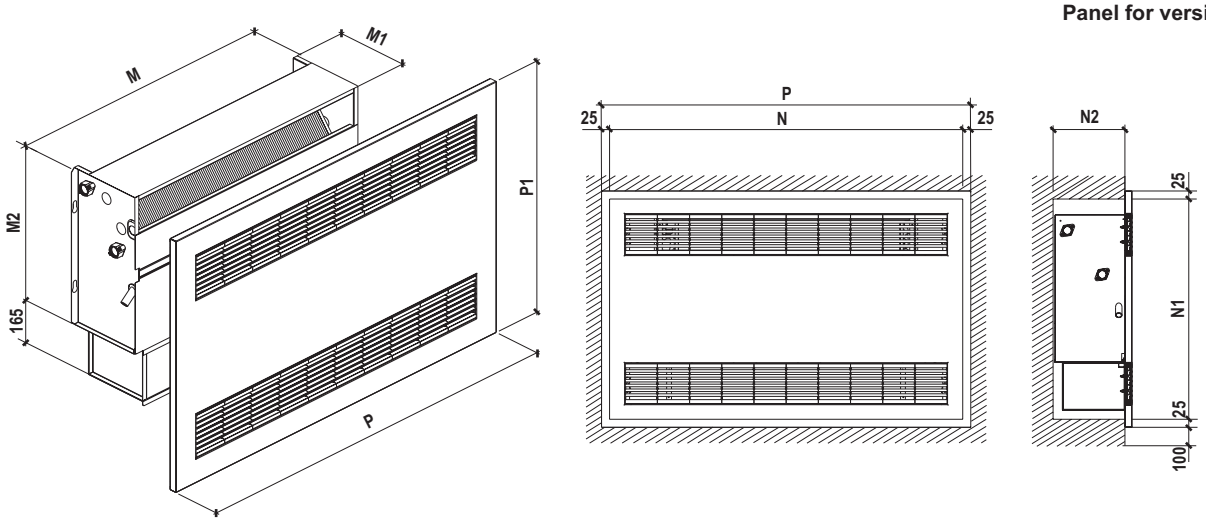


** NOT available for models VCE100-120 and for version 2 and 3 .*

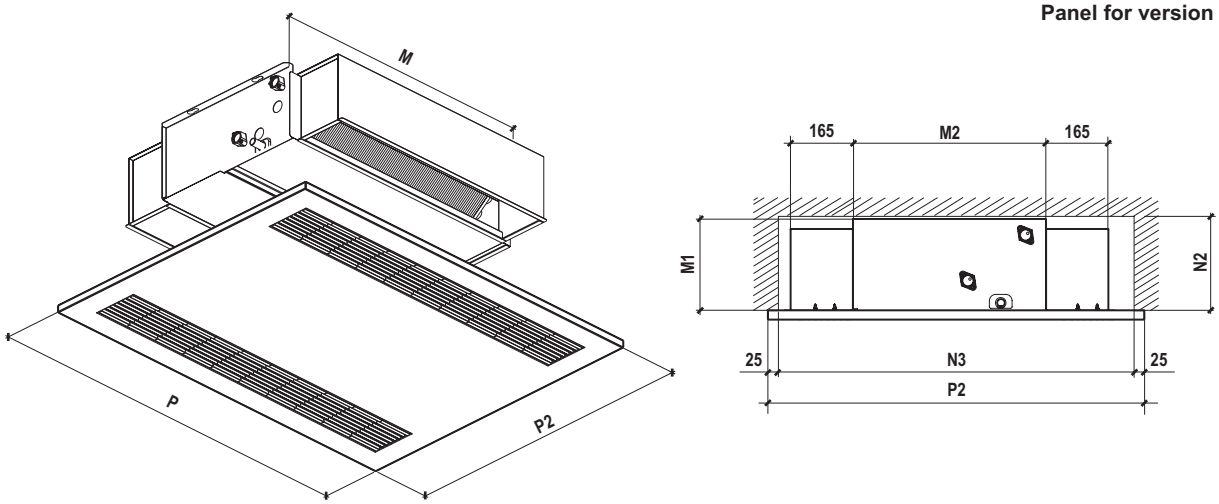
PRE-ENAMELLED WHITE SHEET METAL PANEL

Built-in fan coils (wall or ceiling mounted) should be concealed for aesthetic and safety purposes. The sheet metal panel does this by fully closing off the recess housing the appliance. The panel is made in pre-enamelled white sheet metal. It is fixed directly onto the fan coil with hidden self-tapping screws. The air intake grille (with filter) and outlet louvres are inserted in the panel. By turning the outlet louvres the air flow may be directed upwards or downwards. There are two types of panels for each size of fan coil: version 7 (fan coil with front outlet) and version 2 and 3 (fan coil with vertical or horizontal outlet complete with 90° elbow).

Panel for version 7



Panel for version 2 or 3



MOD.	CODE (version 7)	CODE (version 2)	CODE (version 3)	N	N1	N2	N3	P	P1	P2	M	M1	M2
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
VCE10	A0055510024	A0055510038	A0055510038	700	685	225	845	750	735	895	420	220	460
VCE20	A0055510025	A0055510039	A0055510039	900	685	225	845	950	735	895	620	220	460
VCE30	A0055510026	A0055510040	A0055510040	1.100	685	225	845	1.150	735	895	820	220	460
VCE40	A0055510026	A0055510040	A0055510040	1.100	685	225	845	1.150	735	895	820	220	460
VCE50	A0055510027	A0055510041	A0055510041	1.300	685	225	845	1.350	735	895	1.020	220	460
VCE60	A0055510027	A0055510041	A0055510041	1.300	685	225	845	1.350	735	895	1.020	220	460
VCE70	A0055510052	A0055510053	A0055510053	1.300	790	225	950	1.350	840	1.000	1.020	220	565
VCE80	A0055510028	A0055510042	A0055510042	1.500	790	225	950	1.550	840	1.000	1.220	220	565
VCE90	A0055510028	A0055510042	A0055510042	1.500	790	225	950	1.550	840	1.000	1.220	220	565
VCE100	*	*	*	*	*	*	*	*	*	*	1.380	256	585
VCE110	*	*	*	*	*	*	*	*	*	*	1.680	256	585
VCE120	*	*	*	*	*	*	*	*	*	*	1.680	256	585

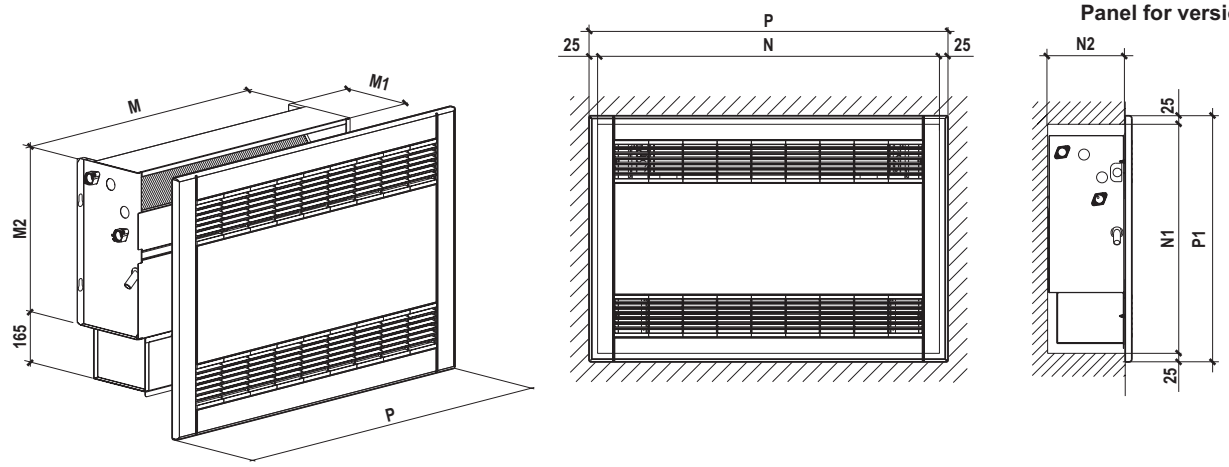
** Not available*

N, ..., N3 = **MINIMUM** recess size
P, ..., P1= Panel length
M, ..., M2 = Fan coil size

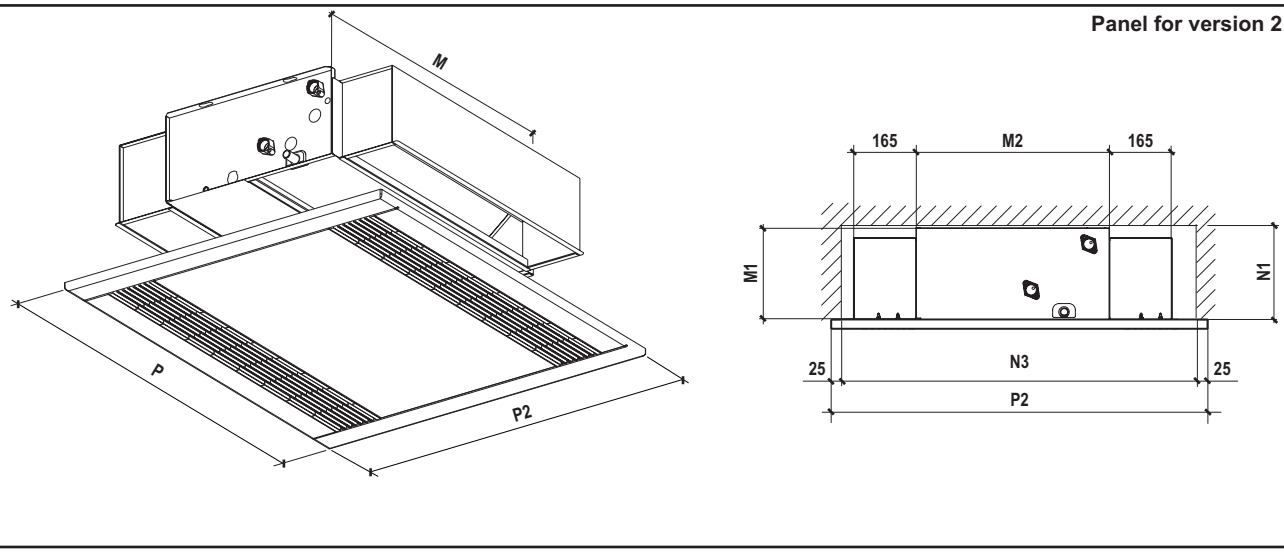
WHITE LACQUERED WOOD PANEL

An elegant white lacquered wood panel for installation in environments where the design is particularly important. The wood panel allows the fan coil to be fully concealed by closing off the recess in which it is installed.
It is fixed directly onto the fan coil by hidden self-tapping screws. The air intake grille (with filter) and outlet louvres are inserted in the panel. By turning the outlet louvres the airflow may be directed upwards or downwards.
The panels are only available for version 7 (fan coil with front outlet).

Panel for version 7



Panel for version 2 or 3



Notes: for the version x2, the panel is available until the size 90. For the version x3, the panel is available until the size 60!

MOD.	CODE (version 7)	CODE (version 2)	CODE (version 3)	N	N1	N2	N3	P	P1	P2	M	M1	M2
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
VCE10	A0055510024	A0055510038	A0055510038	600	670	227	830	650	720	880	420	220	460
VCE20	A0055510025	A0055510039	A0055510039	800	670	227	830	850	720	880	620	220	460
VCE30	A0055510026	A0055510040	A0055510040	1.000	670	227	830	1.050	720	880	820	220	460
VCE40	A0055510026	A0055510040	A0055510040	1.000	670	227	830	1.050	720	880	820	220	460
VCE50	A0055510027	A0055510041	A0055510041	1.200	670	227	830	1.250	720	880	1.020	220	460
VCE60	A0055510027	A0055510041	A0055510041	1.200	670	227	830	1.250	720	880	1.020	220	460
VCE70	A0055510052	A0055510053	*	1.200	775	227	935	1.250	825	985	1.020	220	565
VCE80	A0055510028	A0055510042	*	1.400	775	227	935	1.450	825	985	1.220	220	565
VCE90	A0055510028	A0055510042	*	1.400	775	227	935	1.450	825	985	1.220	220	565
VCE100	*	*	*	*	*	*	*	*	*	*	1.380	256	585
VCE110	*	*	*	*	*	*	*	*	*	*	1.680	256	585
VCE120	*	*	*	*	*	*	*	*	*	*	1.680	256	585

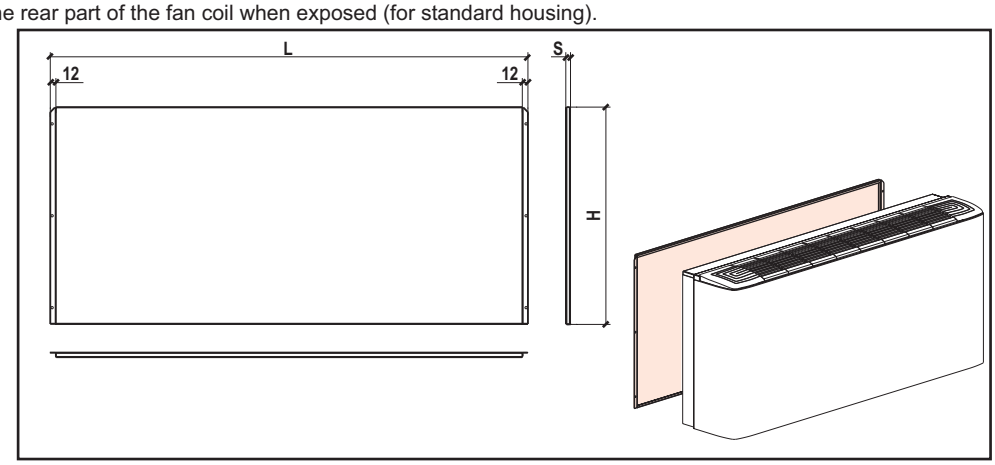
** Not available*

N, ..., N3 = **MINIMUM** recess size
P, ..., P1= Panel length
M, ..., M2 = Fan coil size

ENAMELLED REAR PANEL (FOR STANDARD CABINET)

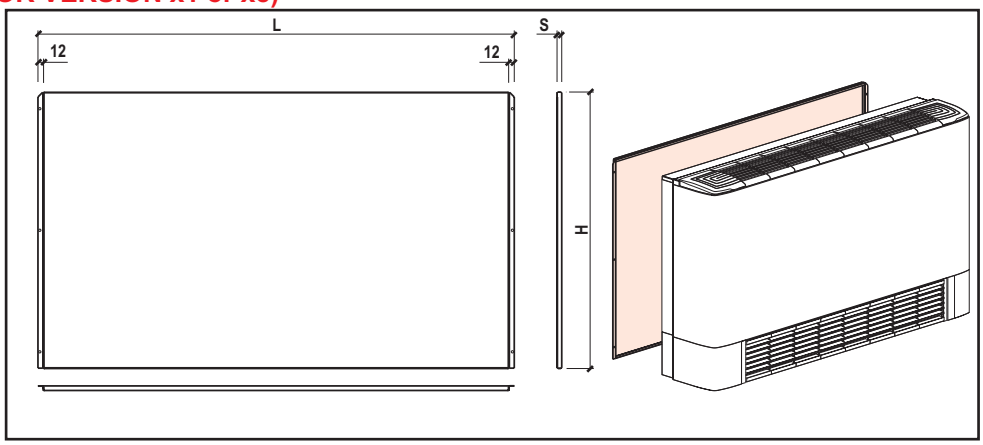
Painted sheet metal panel for closing the rear part of the fan coil when exposed (for standard housing).

MOD.	CODE	L	H	S
		mm	mm	mm
VCE10	A0055510000	637	465	10
VCE20	A0055510001	837	465	10
VCE30	A0055510002	1.037	465	10
VCE40	A0055510002	1.037	465	10
VCE50	A0055510003	1.237	465	10
VCE60	A0055510003	1.237	465	10
VCE70	A0055510004	1.237	570	10
VCE80	A0055510005	1.437	570	10
VCE90	A0055510005	1.437	570	10
VCE100	A0055510006	1.657	600	12
VCE110	A0055510007	1.957	600	12
VCE120	A0055510007	1.957	600	12



ENAMELLED REAR PANEL (FOR VERSION x1 or x8)

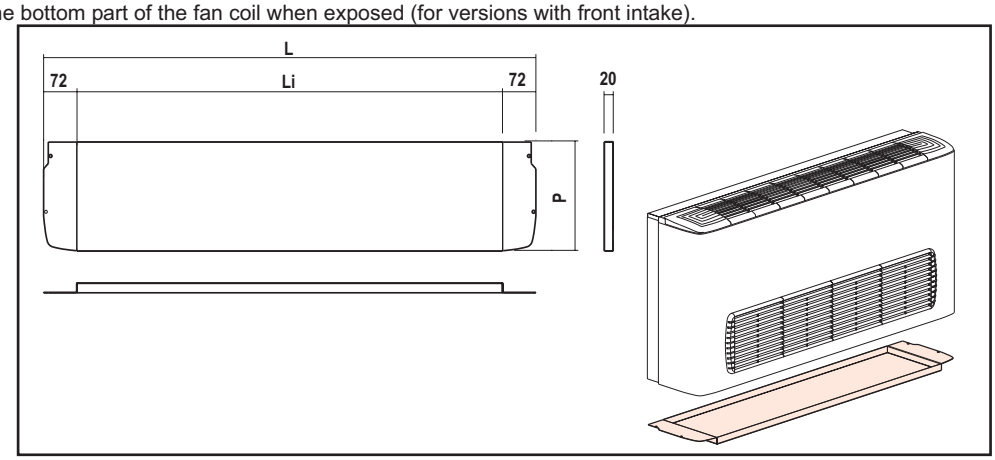
MOD.	CODE	L	H	S
		mm	mm	mm
VCE10	A0055510064	637	595	10
VCE20	A0055510065	837	595	10
VCE30	A0055510066	1.037	595	10
VCE40	A0055510066	1.037	595	10
VCE50	A0055510067	1.237	595	10
VCE60	A0055510067	1.237	595	10
VCE70	A0055510068	1.237	700	10
VCE80	A0055510069	1.437	700	10
VCE90	A0055510069	1.437	700	10
VCE100	A0055510070	1.657	730	12
VCE110	A0055510071	1.957	730	12
VCE120	A0055510071	1.957	730	12



BOTTOM PANEL WITHOUT GRILL

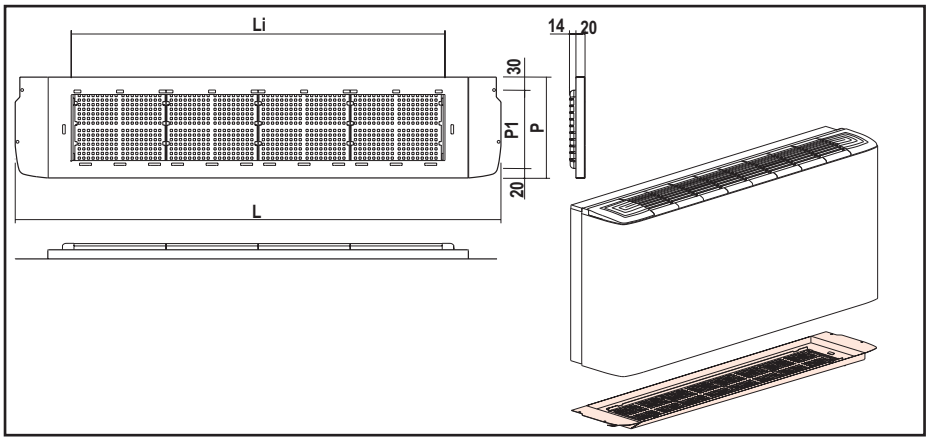
Painted sheet metal panel for closing the bottom part of the fan coil when exposed (for versions with front intake).

MOD.	CODE	L	Li	P
		mm	mm	mm
VCE10	A0055510010	655	511	220
VCE20	A0055510011	855	711	220
VCE30	A0055510012	1.055	911	220
VCE40	A0055510012	1.055	911	220
VCE50	A0055510013	1.255	1.111	220
VCE60	A0055510013	1.255	1.111	220
VCE70	A0055510013	1.255	1.111	220
VCE80	A0055510014	1.455	1.311	220
VCE90	A0055510014	1.455	1.311	220
VCE100	A0055510015	1.665	1.521	240
VCE110	A0055510016	1.965	1.821	240
VCE120	A0055510016	1.965	1.821	240

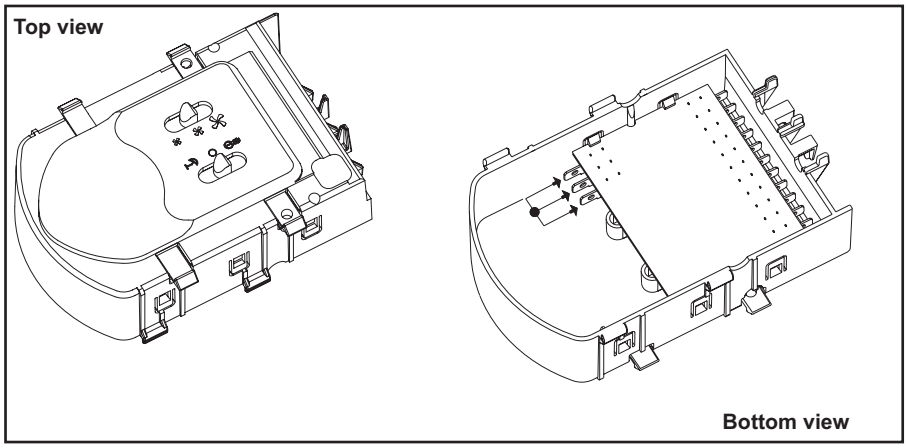


BOTTOM PANEL WITH GRILLE AND FILTER

MOD.	CODE	L	Li	P	Pi
		mm	mm	mm	mm
VCE10	A0055510017	655	412	220	170
VCE20	A0055510018	855	612	220	170
VCE30	A0055510019	1.055	812	220	170
VCE40	A0055510019	1.055	812	220	170
VCE50	A0055510020	1.255	1.012	220	170
VCE60	A0055510020	1.255	1.012	220	170
VCE70	A0055510020	1.255	1.012	220	170
VCE80	A0055510021	1.455	1.212	220	170
VCE90	A0055510021	1.455	1.212	220	170
VCE100	A0055510022	1.665	1.412	240	190
VCE110	A0055510023	1.965	1.612	240	190
VCE120	A0055510023	1.965	1.612	240	190



BASE CONTROL PANEL WITHOUT THERMOSTAT

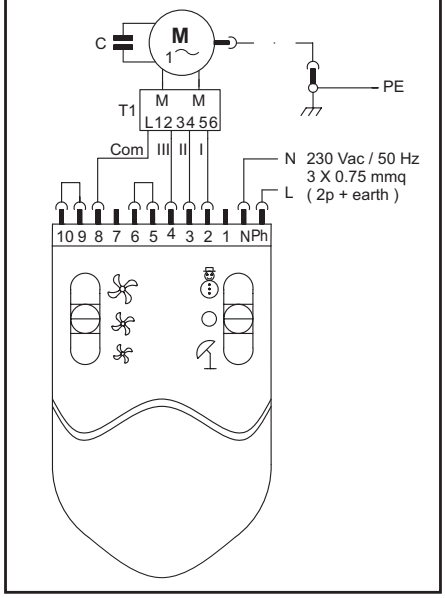


LEGENDA:

PE	GROUND CONNECTION (yellow/green)
N	NEUTRAL (blue)
L	PHASE (brown)
M	FAN MOTOR
Com	COMMON (white)
I	MINIMUM SPEED (red)
II	MEDIUM SPEED (blue)
III	MAXIMUM SPEED (black)
T1	AUTOTRASFORMER
YV1	HEAT/COOL VALVE
YV2	HEAT VALVE
YV3	COOL VALVE
ST1	WATER LOW TEMPERATURE THERMOSTAT

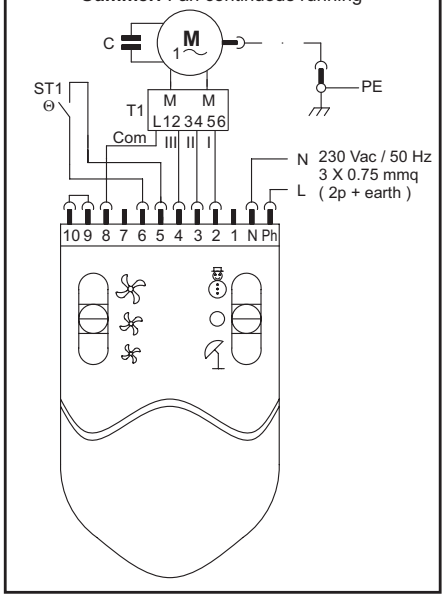
STANDARD

Winter: Fan continuous running
Summer: Fan continuous running



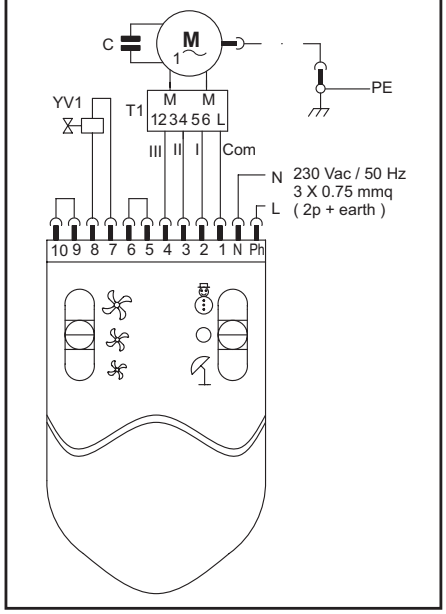
OPTION: TEMPERATURE THERMOSTAT

Winter: Fan continuous running; thermostatic control on fan at start fan override by ST1
Summer: Fan continuous running



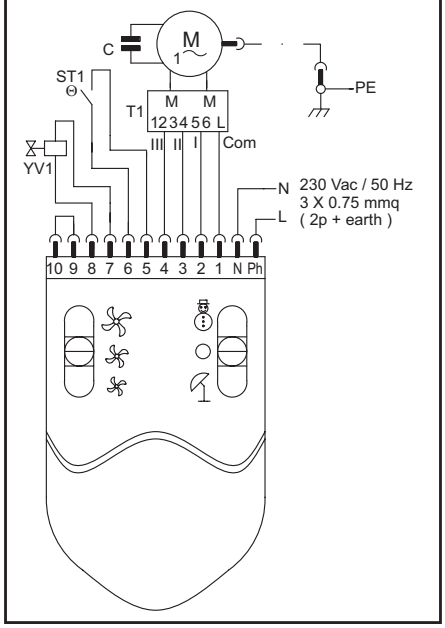
OPTION: VALVE

Winter: Fan continuous running, valve ON
Summer: Fan continuous running, valve ON



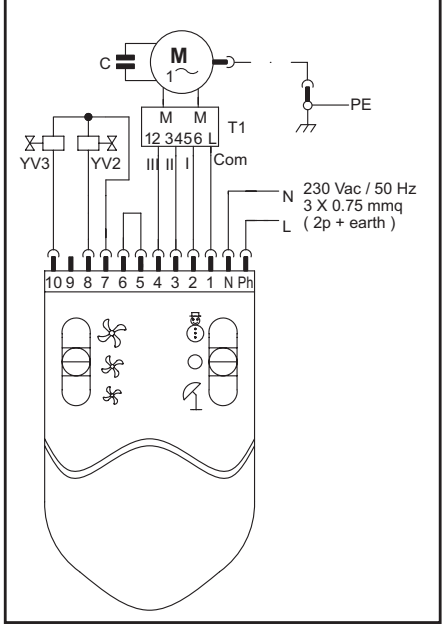
OPTION: VALVE+TEMPERATURE THERMOSTAT

Winter: Valve ON; thermostatic control on fan at start fan override by ST1.
Summer: Fan continuous running, Valve ON



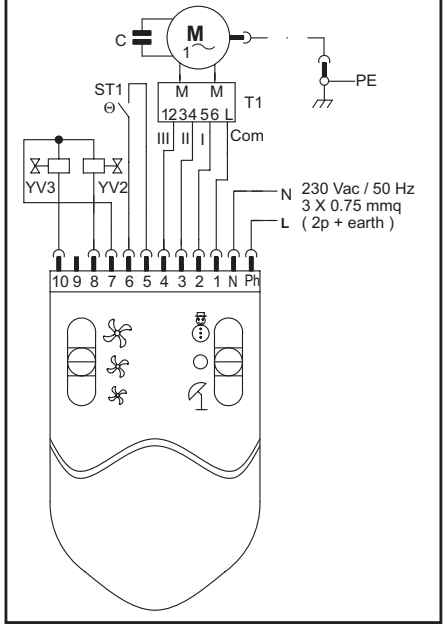
OPTION: 2 VALVE

Winter: Valve YV2 ON; Fan continuous running.
Summer: Valve YV3 ON; Fan continuous running.



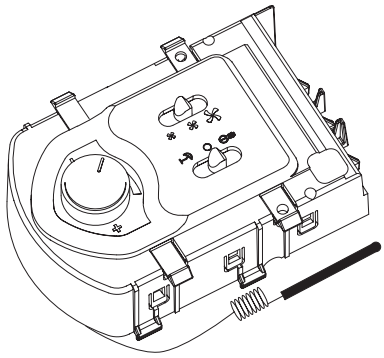
OPTION: 2VALVE+TEMPERATURE THERMOSTAT

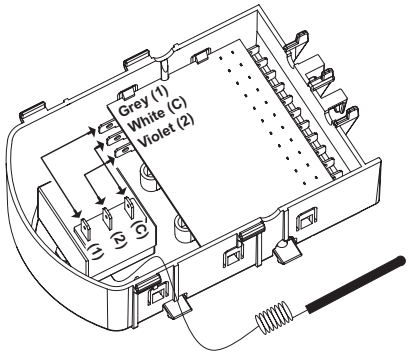
Winter= Valve YV2 ON; thermostatic control on fan at start fan override by ST1.
Summer= Valve YV3 ON; Fan continuous running.



BASE CONTROL PANEL WITH ELECTROMECHANICAL THERMOSTAT

Top wiev





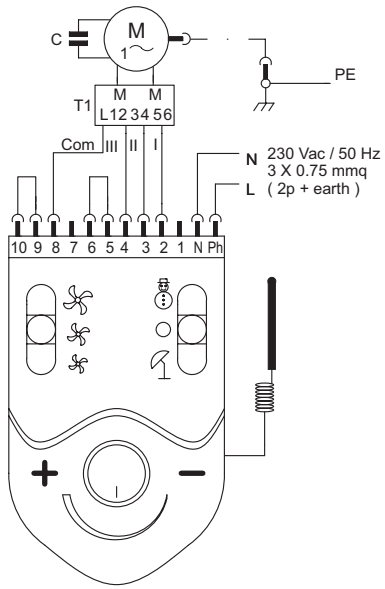
Botttom wiev

LEGENDA:

PE	GROUND CONNECTION (yellow/green)
N	NEUTRAL (blue)
L	PHASE (brown)
M	FAN MOTOR
Com	COMMON (white)
I	MINIMUM SPEED (red)
II	MEDIUM SPEED (blue)
III	MAXIMUM SPEED (black)
T1	AUTOTRASFORMER
YV1	HEAT/COOL VALVE
YV2	HEAT VALVE
YV3	COOL VALVE
ST1	WATER LOW TEMPERATURE THERMOSTAT

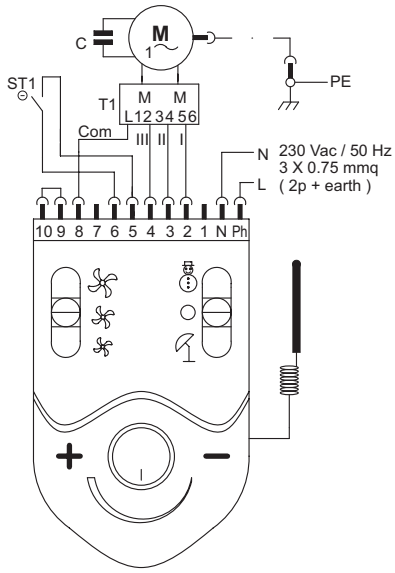
STANDARD

Winter: Thermostatic control on fan
Summer: Thermostatic control on fan



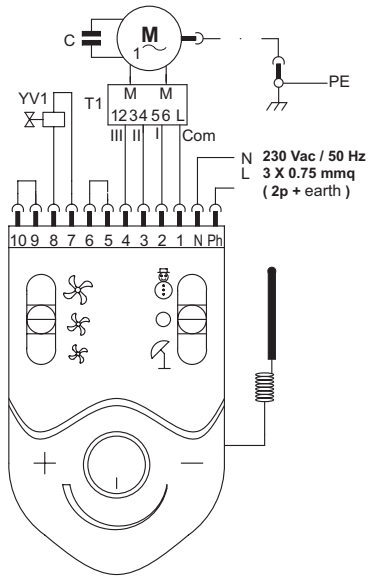
OPTION: TEMPERATURE THERMOSTAT

Winter: Thermostatic control on fan at start override by ST1
Summer: Thermostatic control on fan



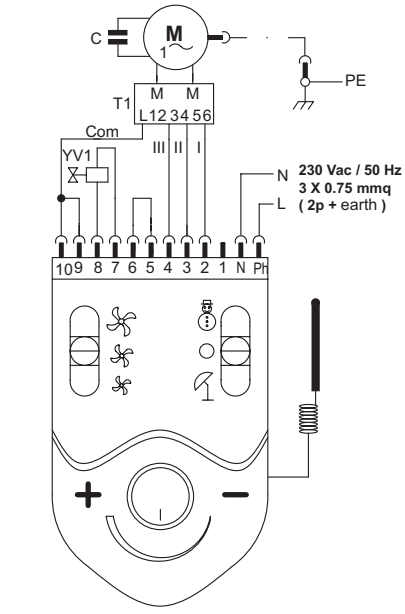
OPTION: VALVE AND TEMPERATURE CONTROL

Winter: Thermostatic control of valve; fan continuous running.
Summer: Thermostatic control of valve; fan continuous running.



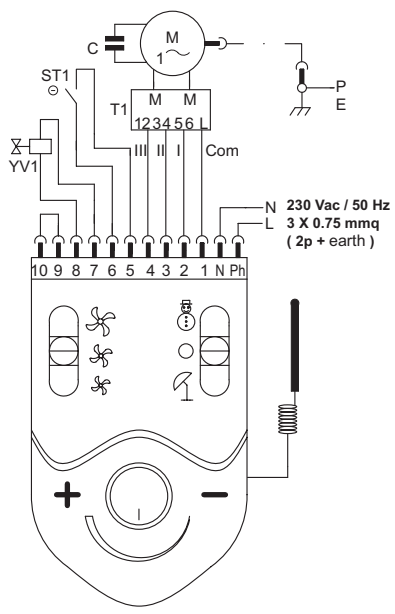
OPTION: VALVE AND FAN TEMPERATURE CONTROL

Winter= Thermostatic control of fan and valve
Summer= Thermostatic control of fan and valve



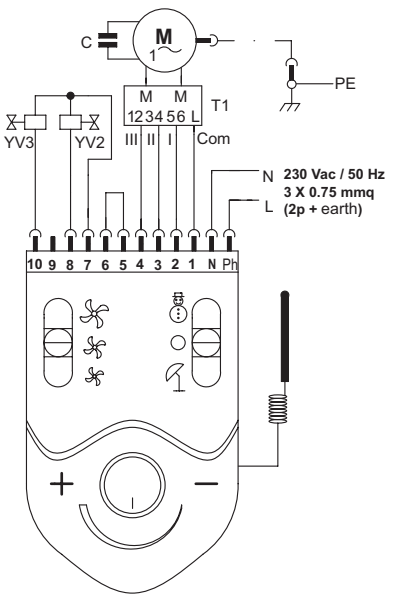
OPTION: VALVE + TEMPERATURE THERMOSTAT

Winter: Thermostatic control of valve; Fan continuous running, at stat override by ST1.
Summer: Thermostatic control of valve; fan continuous running.



OPTION: 2 VALVE

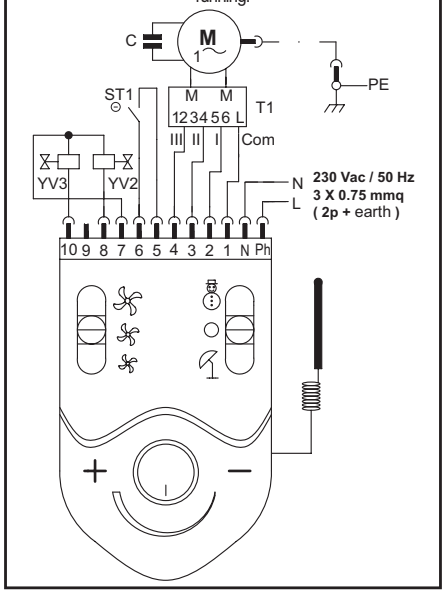
Winter: Thermostatic control of YV2; fan continuous running.
Summer: Thermostatic control of YV3; fan continuous running.



BASE CONTROL PANEL WITH ELECTROMECHANICAL THERMOSTAT

OPTION: 2VALVE + TEMPERATURE THERMOSTAT

Winter: Thermostatic control of YV2; Fan continuous running, at stat override by ST1.
Summer: Thermostatic control of YV3; fan continuous running.

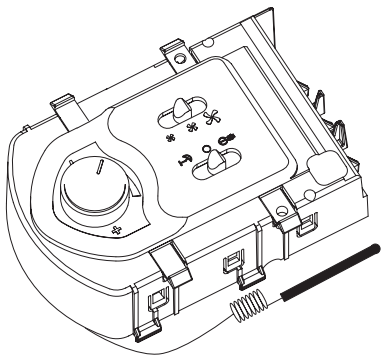


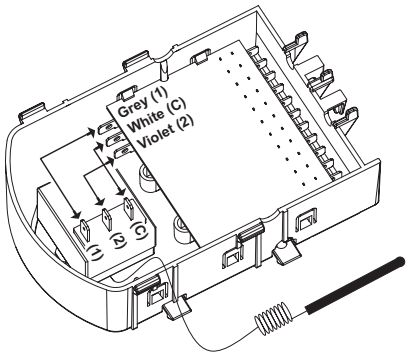
LEGENDA:

PE	GROUND CONNECTION (yellow/green)
N	NEUTRAL (blue)
L	PHASE (brown)
M	FAN MOTOR
Com	COMMON (white)
I	MINIMUM SPEED (red)
II	MEDIUM SPEED (blue)
III	MAXIMUM SPEED (black)
T1	AUTOTRASFORMER
YV1	HEAT/COOL VALVE
YV2	HEAT VALVE
YV3	COOL VALVE
ST1	WATER LOW TEMPERATURE THERMOSTAT

BASE CONTROL PANEL WITH ELECTRONIC THERMOSTAT

Top wiev





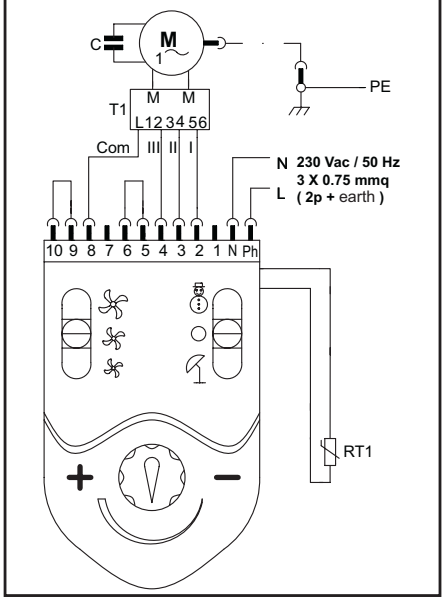
Botttom wiev

LEGENDA:

PE	GROUND CONNECTION (yellow/green)
N	NEUTRAL (blue)
L	PHASE (brown)
M	FAN MOTOR
Com	COMMON (white)
I	MINIMUM SPEED (red)
II	MEDIUM SPEED (blue)
III	MAXIMUM SPEED (black)
T1	AUTOTRASFORMER
YV1	HEAT/COOL VALVE
YV2	HEAT VALVE
YV3	COOL VALVE
ST1	WATER LOW TEMPERATURE THERMOSTAT
R1	ROOM TEMPERATURE SENSOR

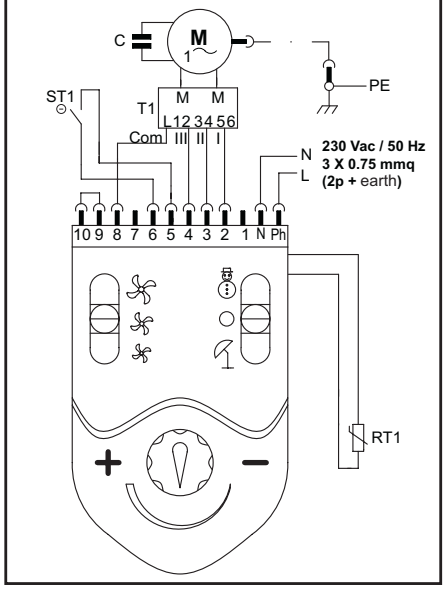
STANDARD

Winter: Thermostatic control of fan
Summer: Thermostatic control of fan



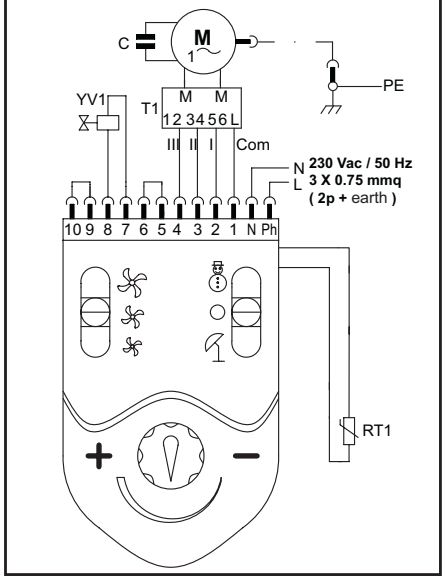
OPTION: TEMPERATURE THERMOSTAT

Winter: Thermostatic control of fan at start override by ST1
Summer: Thermostatic control of fan



OPTION: VALVE AND TEMPERATURE CONTROL

Winter: Thermostatic control of valve; fan continuous running.
Summer: Thermostatic control of valve; fan continuous running.



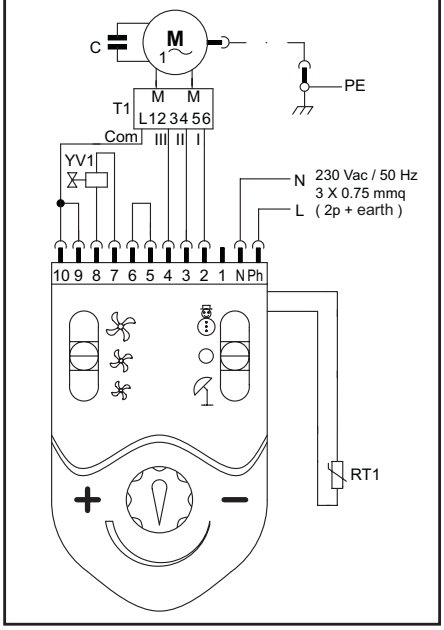
BASE CONTROL PANEL WITH ELECTRONIC THERMOSTAT

LEGENDA:

PE GROUND CONNECTION (yellow/green)
N NEUTRAL (blue)
L PHASE (brown)
M FAN MOTOR
Com COMMON (white)
I MINIMUM SPEED (red)
II MEDIUM SPEED (blue)
III MAXIMUM SPEED (black)
T1 AUTOTRASFORMER
YV1 HEAT/COOL VALVE
YV2 HEAT VALVE
YV3 COOL VALVE
ST1 WATER LOW TEMPERATURE THERMOSTAT
R1 ROOM TEMPERATURE SENSOR

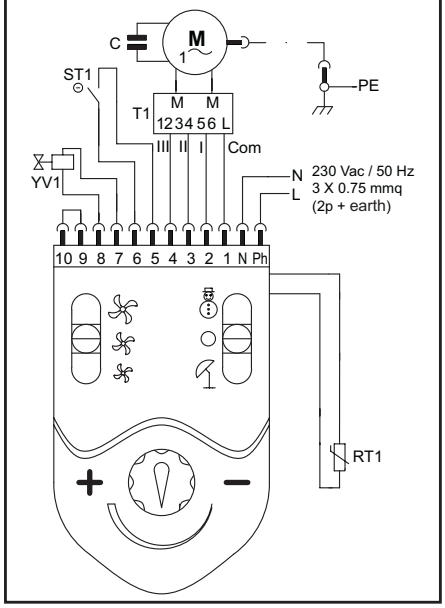
OPTION: VALVE AND FAN TEMPERATURE CONTROL

Winter: Thermostatic control on valve and fan.
Summer:Thermostatic control on valve and fan.



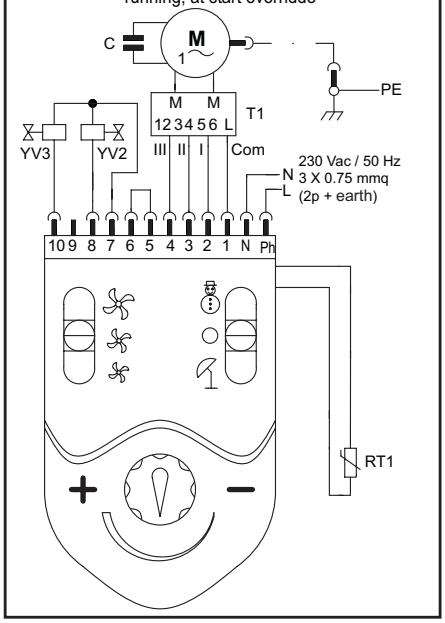
OPZIONE: VALVE + TEMPERATURE THERMOSTAT

Winter: Thermostatic control on valve; fan continuous running, at start overridde
Summer: Thermostatic control on valve; fan continuous running.



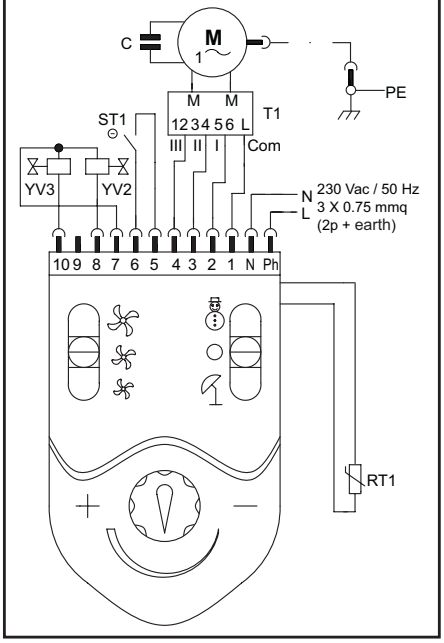
OPZIONE: 2 VALVOLE

Winter: Thermostatic control on YV2 ; fan continuous running, at start overridde
Summer: Thermostatic control on YV3 ; fan continuous running, at start overridde



OPZIONE: 2 VALVOLE + TERMOSTATO DI CONSENSO

Winter: Thermostatic control on YV2 ; fan continuous running, at start overridde
Summer: Thermostatic control on YV3; fan continuous running



REMOTE CONTROL CD1

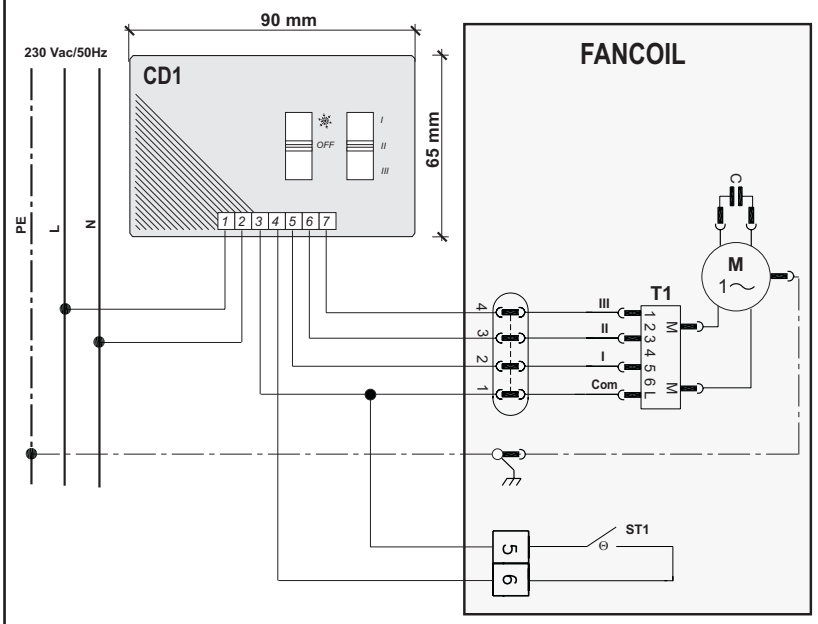
DESCRIPTION

The remote control, by means of 2 switches, allows the remote control of a 3 speeds fancoil. A switch selects the function OFF/Summer/Winter, while the other selects one of the three speeds.

TECHNICAL DATA

Electrical supply:	**230 ±10%V/1/50-60Hz**
Max power dissipation:	**1VA**
Outlet:	**Relay 5 A, 250 V**
Settings:	**OFF-Summer-Winter**
Temperature limits:	**0-50°C**
Humidity limits:	**10-90%U.R.**
Container:	**ABS IP30**
Dimensions:	**90 x 65 x 30 mm**
Weight:	**130 g**

Connecting example:



LEGENDA:

PE	PROTECTIVE CONDUCTOR (yellow/green)
N	NEUTRAL
L	PHASE
M	FAN MOTOR
Com	COMMON (white)
I	MINIMUM SPEED
II	MEDIUM SPEED
III	MAXIMUM SPEED
T1	AUTOTRANSFORMER (not installed in all models)
ST1	WATER LOW TEMPERATURE THERMOSTAT

REMOTE CONTROL CD8

DESCRIPTION

The remote control, by means of 3 switches and a knob, allows the remote control of a 3 speeds fancoil:

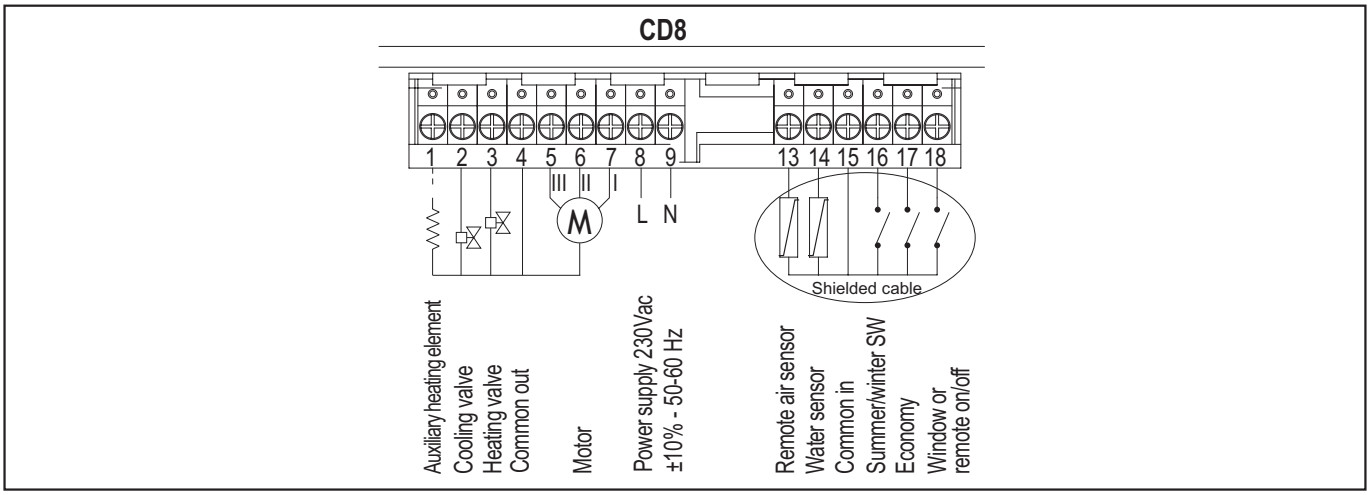
1° switch: **ON/OFF/ECONOMY** function
2° switch: **change speeds** (automatic/minimum/medium/maximum)
3° switch: **SUMMER/WINTER/ELECTRICAL HEATER** function
Knob: can be regulate the temperature between 15°C÷30°C when heating and between 20°C÷30°C when cooling.

Control board - on board installation possibility.

TECHNICAL DATA

Electrical supply:	**230Vac +/-10%, 50 – 60Hz**
Absorption:	**0.8 VA +/- 15%**
Fan output:	**TRIAC 250Vac, 3(2.5)A max**
Valves output:	**TRIAC 0,6A**
Auxiliary output:	**TRIAC 0,6A max**
Temperature adjustment range:	**+15...+30°C**
Antifreeze temperature:	**4°C**
Temperature limits:	**+0 . +50°C**
Humidity limits:	**0 . 95 % U.R.**
Container:	**IP30**
Connections:	**Screw terminals for wires with section of 1,5 mmq**
Dimensions:	**122 x 68 x 29 mm (LxHxP)**
Weight:	**120 gr**

Therminal block with all connections:



INTERFACE CHART FOR THE CONTROL OF 4 FANCOIL MOD. SDI

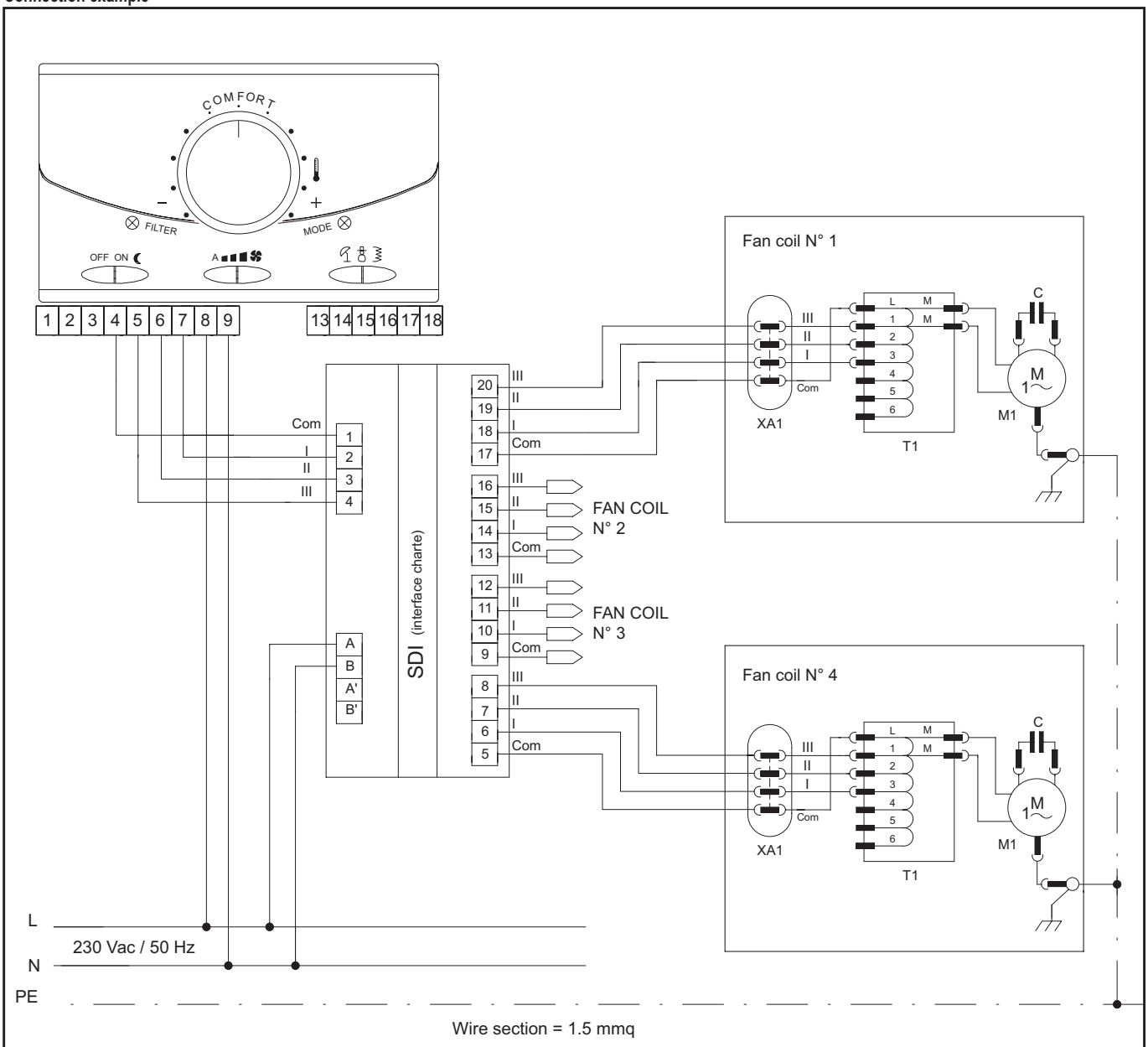
DESCRIPTION

By means of the interface chart (to be mounted on DIN bar) it is possible to control up to 4 facoils with only one thermostat or remote control.

TECHNICAL DATA

Wlectrical supply:	230V -15% +10% / 1 /50 Hz
Nominal current:	3 A
Voltage rating:	250 V
Protection grade:	IP 30
Working temperature:	0-40°C
Humidity limits:	10-80% R.H. (no-condensing)
Container:	Tecno-polymer class V0
Dimensions:	105 x 90 x 70 mm
Weight:	316 g

Connection example



Wire section = 1.5 mmq

LEGENDA:

PE	PROTECTIVE CONDUCTOR (yellow/green)	**I**	MINIMUM SPEED
N	NEUTRAL	**II**	MEDIUM SPEED
L	PHASE	**III**	MAXIMUM SPEED
M1	FAN MOTOR	**T1**	AUTOTRASFORMER (not installed in all models)
Com	COMMON (white)	**CD8**	REMOTE CONTROL
SDI	INTERFACE CHART SDI (for 4 fancoil control)	**XA1**	TERMINAL BLOCK

NOTE:

All data in this manual are no-binding for Ventilclima company who takes the right, without advance notice obbligation, to provide to any modification for product improvements.

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Ventilclima® Apparecchi per la Climatizzazione

VENTILCLIMA S.p.A.
31020 SAN ZENONE DEGLI EZZELINI (TV) - Italy - Via Montegrappa, 67
Tel. +39 (0) 423 969037 r.a. - Telefax +39 (0) 423 968197
http: www.ventilclima.com - e-mail: info@ventilclima.com

ISO 9001:2000 - Cert.n. 1368/1

CENTRIFUGAL FAN COIL UNITS

MU VCE 0107-1 VEN GB