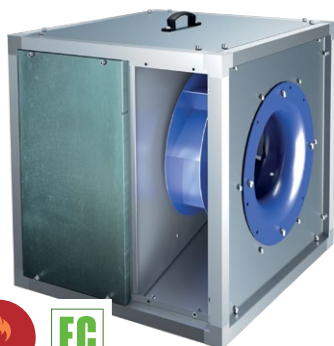


Series VENTS VSK EC



Centrifugal kitchen fans
in sound-insulated casing with air flow
up to **27 500 m³/h**

Application

Designed to extract contaminated hot air up to 120 °C, containing grease (when using grease filters), in high resistance conditions.

Ideally function in various ventilation systems for:

- restaurant or café kitchens
- industrial bakeries
- removal of gases generated during welding operations.

Design

The casing of the fan is made of heat- and sound-insulated two-layer panels made of aluzinc. The panels are insulated with 20 mm thick non-combustible mineral wool.

Connecting spigots, which also serve as vibration damping inserts, can be of square or round cross-section. Spigots of round cross-section are equipped with rubber seals.

Connecting spigots are not included in the delivery set, they are ordered separately.

Motor located outside the airflow and separated from the impeller by a metal panel.



Electric motor

Highly reliable single-phase or three-phase EC motor with squirrel-cage rotor and steel high-performance centrifugal impeller with backward curved blades. Motor is suitable for 50Hz and 60Hz.

Speed control

The fan is controlled by an external 0-10 V control signal. Maximum fan speed does not depend on the available current frequency and is suitable for operation both at 50 and 60 Hz.

Installation

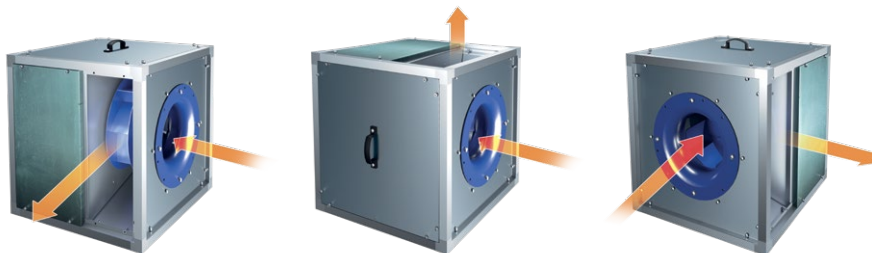
The fans are designed for installation with square or round ducts using a flexible adapter of the appropriate cross-section.

The fan can be fixed with supports, hangers or brackets. The fan can be installed in any position provided that the arrow on the fan casing corresponds to the air direction in the system.

During installation it is necessary to provide access for maintenance of the fan.

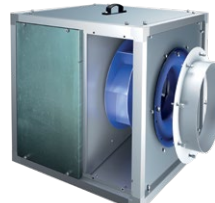
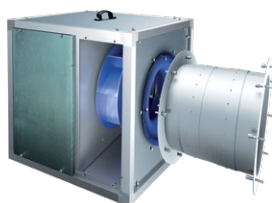
Versatility of mounting

The direction of air flow can be easily changed by rearranging the panel.

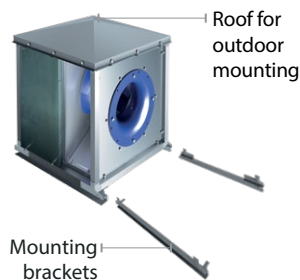


Accessories

Special flanges for round ducts



Mounting accessories



Designation key

Series	Spigot diameter	Options	Phases	Motor type
VENTS VSK	315; 355; 400; 450; 500; 560; 630; 710; 800	- basic version S - high-powered motor	E : single-phase D : three-phase	EC : synchronous electronically commutated motor

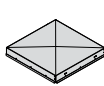
Accessories



VVG VSK



PK VSK



VPR VSK



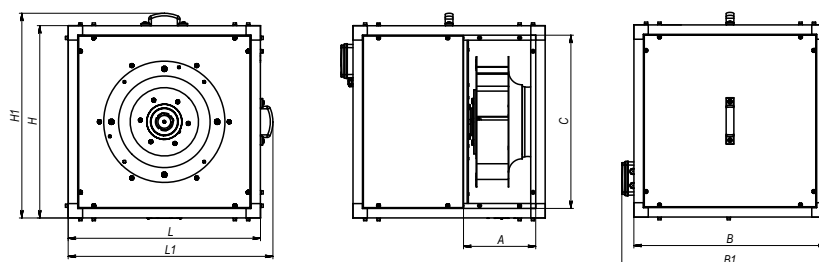
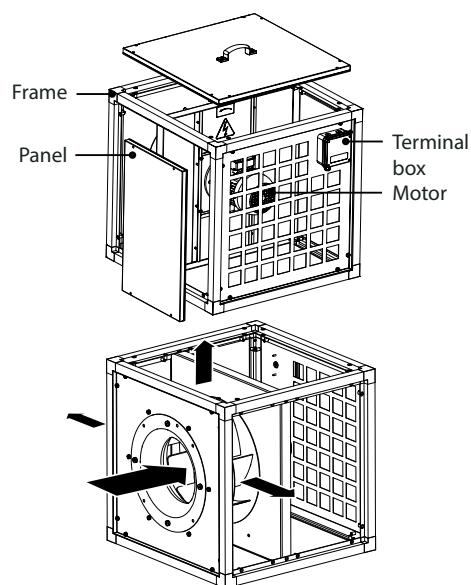
MK VSK



Speed controller
R-1/010

Overall dimensions

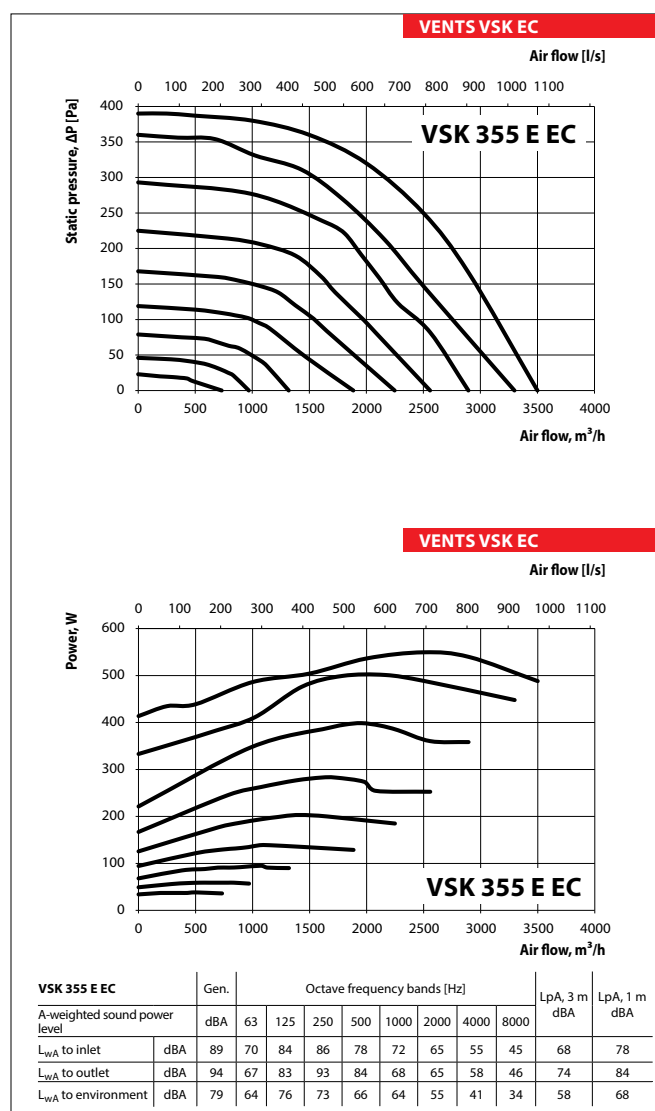
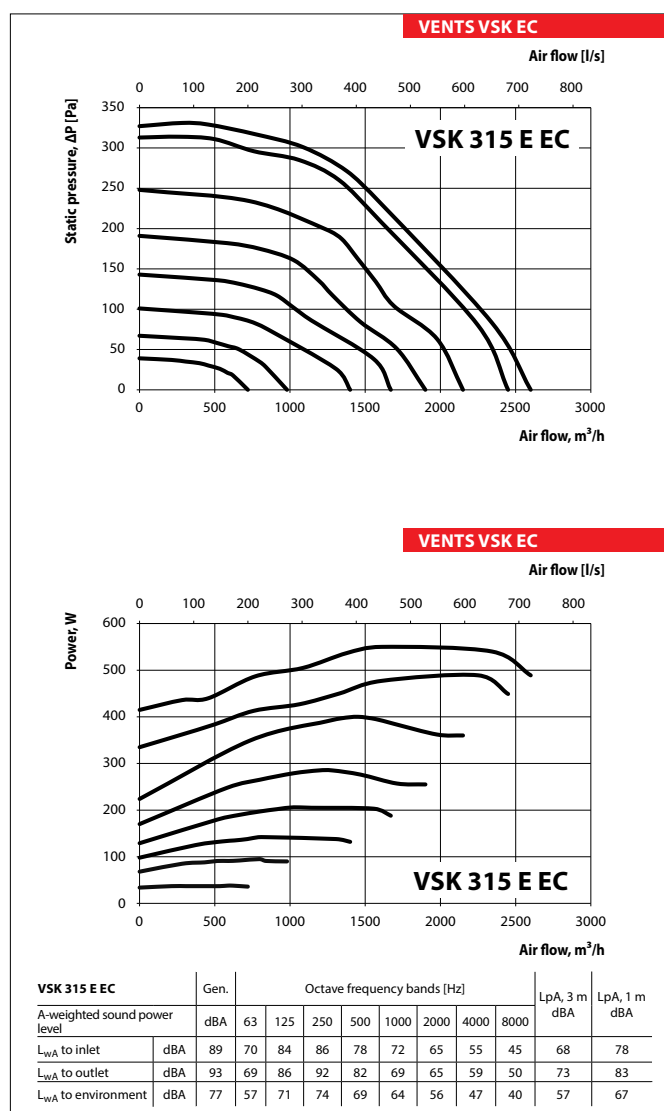
Model	Dimensions [mm]							
	L	L1	H	H1	B	B1	A	C
VSK 315 E EC	500	538	500	538	500	538	200	440
VSK 355 E EC	600	638	600	638	600	638	225	540
VSK 400 E EC	670	708	670	708	670	708	252	610
VSK 450 E EC	700	738	700	738	700	738	282	640
VSK 500 E/D EC	820	858	820	858	820	858	321	760
VSK 560 D EC	900	938	900	938	900	938	365	840
VSK 630 D EC	1000	1038	1000	1038	1000	1038	409	940
VSK 630 S D EC	1000	1038	1000	1038	1000	1038	409	940
VSK 710 D EC	1075	1152	1075	1114	1075	1112	455	1015
VSK 800 D EC	1175	1252	1175	1214	1175	1212	505	1115



SOUND-INSULATED KITCHEN FAN

Technical data

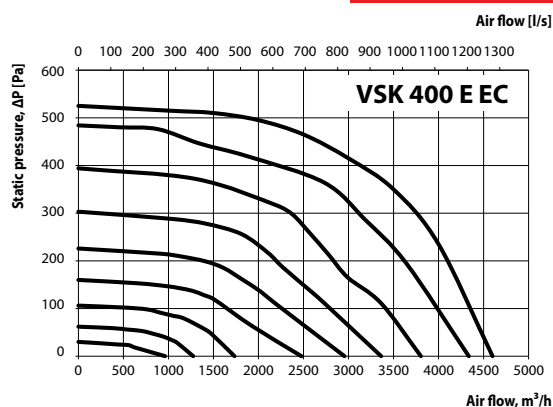
	VSK 315 E EC	VSK 355 E EC
Voltage [V]	1~230	1~230
Frequency [Hz]	50/60	50/60
Installed Power, [kW]	0,55	0,55
Max Absorbed Current [A]	4,9	4,9
Max. air capacity [m³/h]	2600	3500
Max. air capacity [l/s]	722	972
RPM [min ⁻¹]	1500	1500
Noise level at 3 m [dBA]	57	58
Transported air temperature [°C]	-25...+120	-25...+120
Motor protection	IP55	IP55
Protection rating	IPX4	IPX4



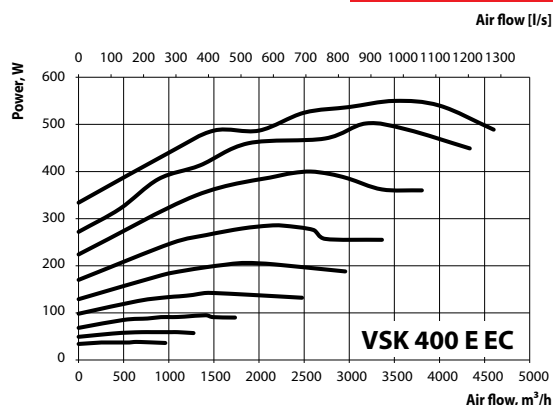
Technical data

	VSK 400 E EC	VSK 450 E EC
Voltage [V]	1~230	1~230
Frequency [Hz]	50/60	50/60
Installed Power, [kW]	0,55	1,1
Max Absorbed Current [A]	4,9	7,9
Max. air capacity [m³/h]	4600	7200
Max. air capacity [l/s]	1278	2000
RPM [min⁻¹]	1500	1500
Noise level at 3 m [dBA]	60	62
Transported air temperature [°C]	-25....+120	-25....+120
Motor protection	IP55	IP55
Protection rating	IPX4	IPX4

VENTS VSK EC

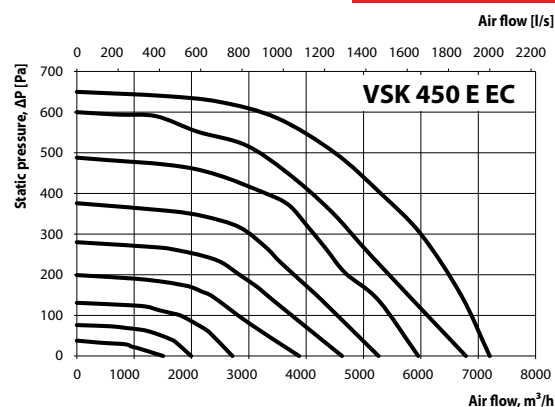


VENTS VSK EC

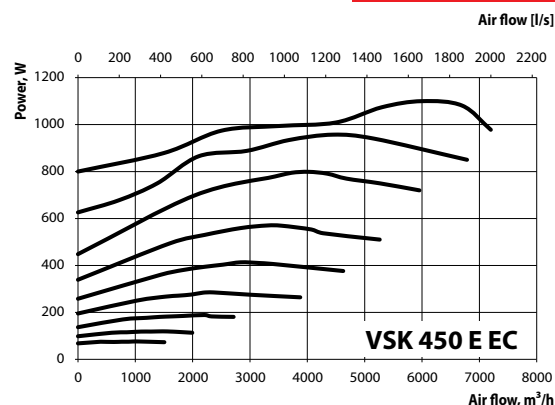


VSK 400 E EC		Gen.	Octave frequency bands [Hz]								LpA, 3 m	LpA, 1 m
A-weighted sound power level		dBA	63	125	250	500	1000	2000	4000	8000	dBA	dBA
L _{WA} to inlet	dBA	90	70	85	87	78	72	66	55	45	69	79
L _{WA} to outlet	dBA	95	68	84	94	85	69	66	58	47	74	84
L _{WA} to environment	dBA	80	65	78	75	68	65	56	42	35	60	70

VENTS VSK EC



VENTS VSK EC

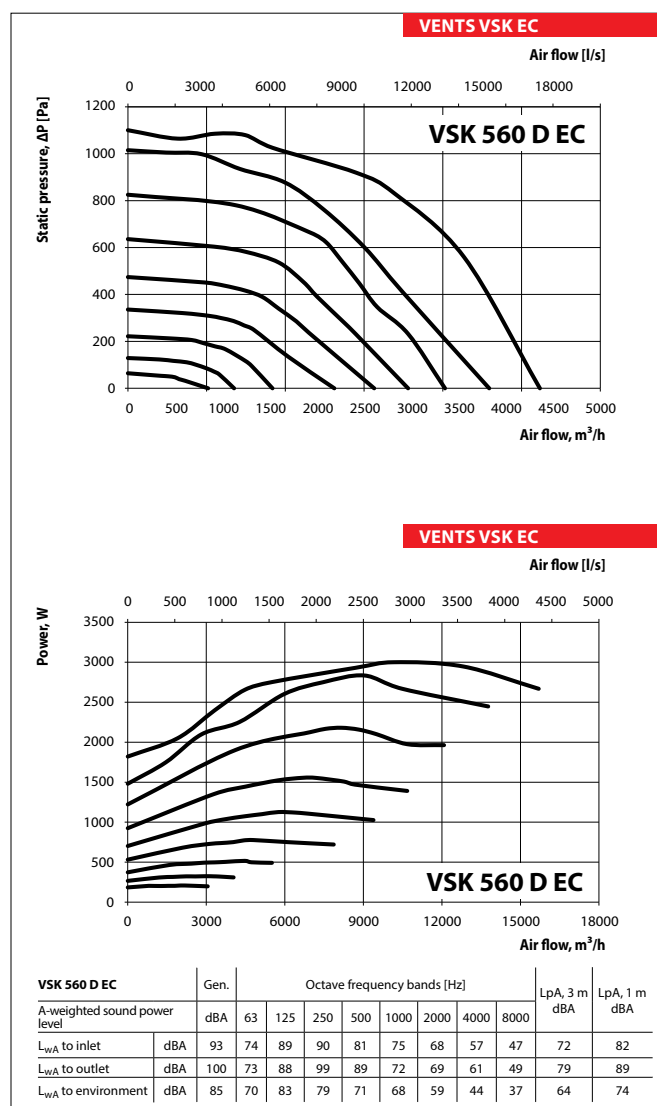
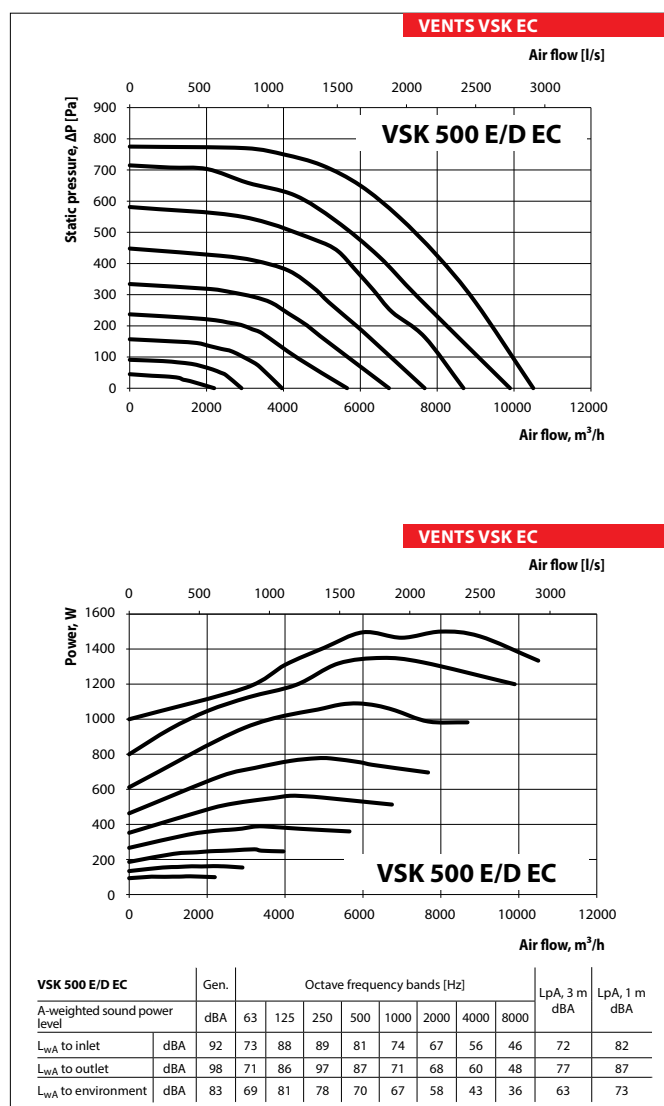


VSK 450 E EC		Gen.	Octave frequency bands [Hz]								LpA, 3 m	LpA, 1 m
A-weighted sound power level		dBA	63	125	250	500	1000	2000	4000	8000	dBA	dBA
L _{WA} to inlet	dBA	91	72	87	89	80	74	67	56	46	71	81
L _{WA} to outlet	dBA	97	70	85	96	86	70	67	59	48	76	86
L _{WA} to environment	dBA	83	68	80	77	69	67	57	43	36	62	72

SOUND-INSULATED KITCHEN FAN

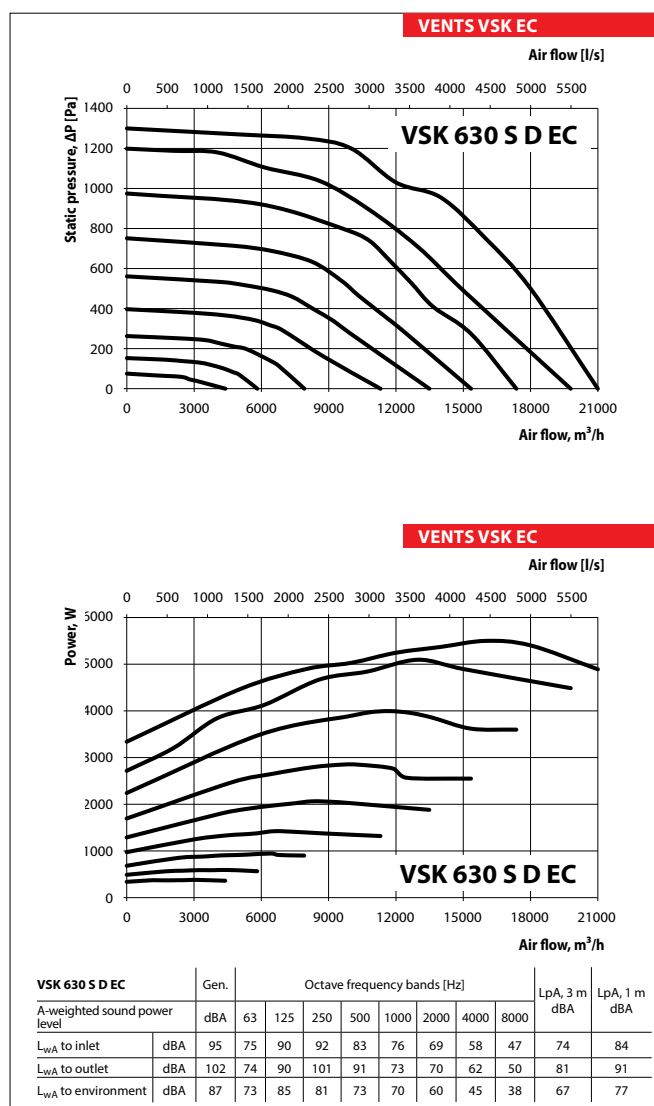
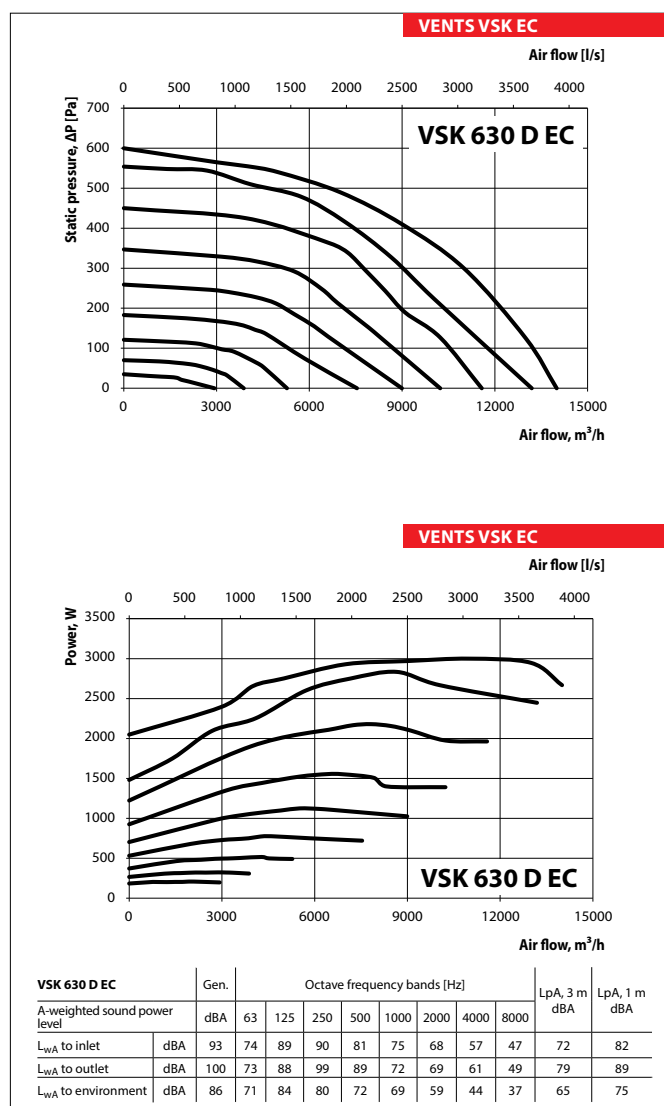
Technical data

	VSK 500 E EC	VSK 500 D EC	VSK 560 D EC
Voltage [V]	1~230	3~400	3~400
Frequency [Hz]	50/60	50/60	50/60
Installed Power, [kW]	1,5	1,5	3
Max Absorbed Current [A]	10,5	10,5	6,4
Max. air capacity [m ³ /h]	10500	10500	15700
Max. air capacity [l/s]	2917	2917	4361
RPM [min ⁻¹]	1500	1500	1500
Noise level at 3 m [dBA]	63	63	64
Transported air temperature [°C]	-25....+120	-25....+120	-25....+120
Motor protection	IP55	IP55	IP55
Protection rating	IPX4	IPX4	IPX4



Technical data

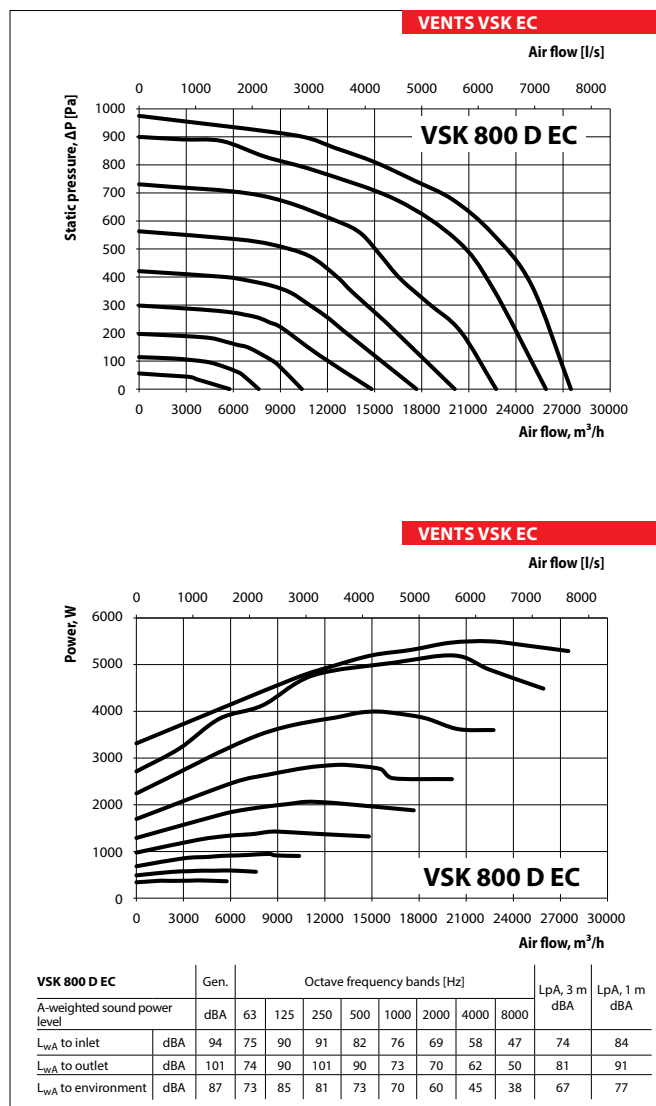
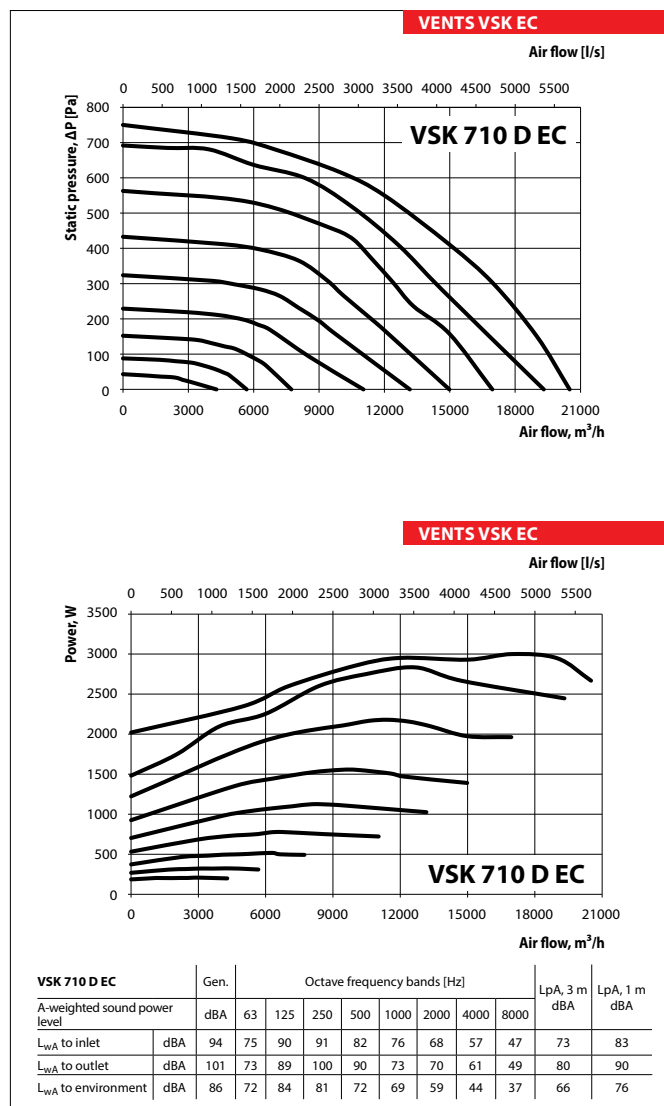
	VSK 630 D EC	VSK 630 S D EC
Voltage [V]	3~400	3~400
Frequency [Hz]	50/60	50/60
Installed Power, [kW]	3	5,5
Max Absorbed Current [A]	7,2	10,9
Max. air capacity [m ³ /h]	14000	21000
Max. air capacity [l/s]	3889	5833
RPM [min ⁻¹]	1000	1500
Noise level at 3 m [dBA]	65	67
Transported air temperature [°C]	-25....+120	-25....+120
Motor protection	IP55	IP55
Protection rating	IPX4	IPX4



SOUND-INSULATED KITCHEN FAN

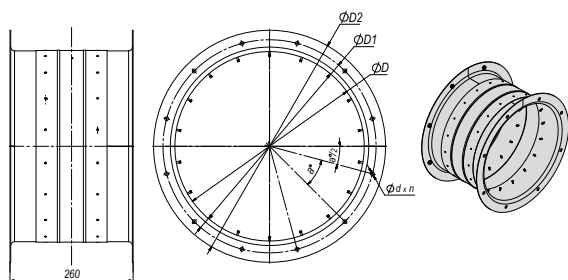
Technical data

	VSK 710 D EC	VSK 800 D EC
Voltage [V]	3~400	3~400
Frequency [Hz]	50/60	50/60
Installed Power, [kW]	3	5,5
Max Absorbed Current [A]	7,2	12,9
Max. air capacity [m³/h]	20500	27500
Max. air capacity [l/s]	5694	7639
RPM [min⁻¹]	1000	1000
Noise level at 3 m [dBA]	66	67
Transported air temperature [°C]	-25...+120	-25...+120
Motor protection	IP55	IP55
Protection rating	IPX4	IPX4



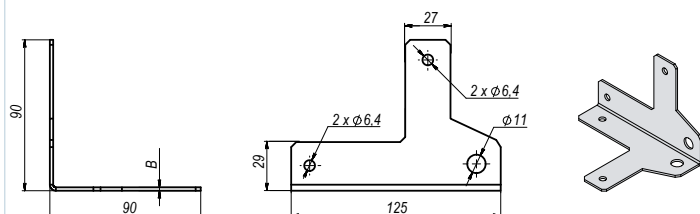
Accessories

VVG VSK



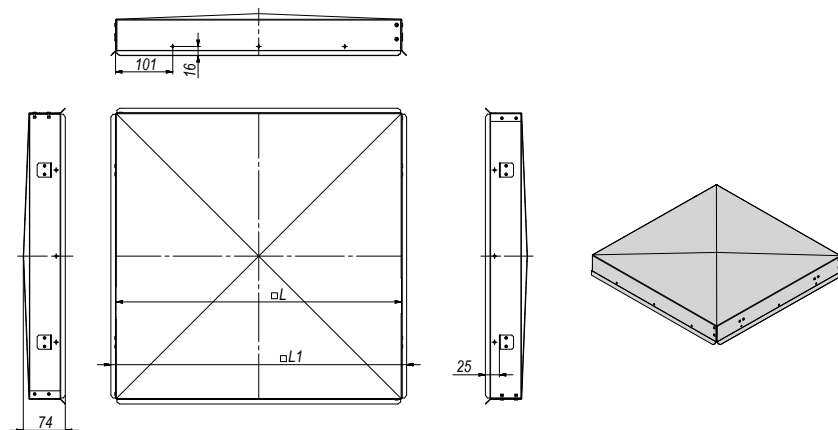
Model	Dimensions [mm]						Weight [kg]
	D	D1	D2	n	a	d	
VVG VSK 315	315	365	405	6	60	8	4.76
VVG VSK 355	355	395	435	8	45	10	4.08
VVG VSK 400	400	450	490	12	30	8	4.76
VVG VSK 450	450	500	540	12	30	8	5.34
VVG VSK 500	500	560	600	12	30	12	6.12
VVG VSK 560	560	620	660	12	30	12	6.83
VVG VSK 630	630	690	730	12	30	12	7.66
VVG VSK 710	710	770	810	16	22.5	12	8.6
VVG VSK 800	800	860	900	16	22.5	12	9.67

MK VSK



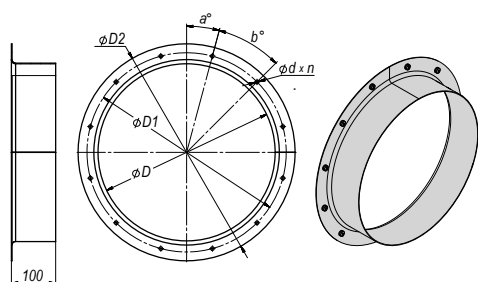
Model	Dimensions [mm]		Weight, [kg]
	B	C	
MK VSK 315...450	2	0,12	
MK VSK 500...800	3	0,21	

VPR VSK



Model	Dimensions [mm]		Weight [kg]
	L	L1	
VPR VSK 315	503	522	2.42
VPR VSK 355	603	622	3.25
VPR VSK 400	673	692	3.91
VPR VSK 450	703	722	4.21
VPR VSK 500	823	842	6.57
VPR VSK 560	903	922	7.71
VPR VSK 630	1003	1022	9.27
VPR VSK 710	1078	1097	10.53
VPR VSK 800	1178	1197	12.3

PK VSK



Model	Dimensions [mm]					a°	b°	Weight [kg]
	D	D1	D2	d	n			
PK VSK 315	315	365	405	8	6	15	60	1.7
PK VSK 355	355	405	445	8	6	15	60	1.9
PK VSK 400	400	450	490	8	12	15	30	2.13
PK VSK 450	450	500	540	8	12	15	30	2.39
PK VSK 500	500	560	600	12	12	15	30	2.75
PK VSK 560	560	620	660	12	12	15	30	3.06
PK VSK 630	630	690	730	12	12	15	30	3.44
PK VSK 710	710	770	810	12	16	11.25	22.5	3.86
PK VSK 800	800	860	900	12	16	11.25	22.5	4.34