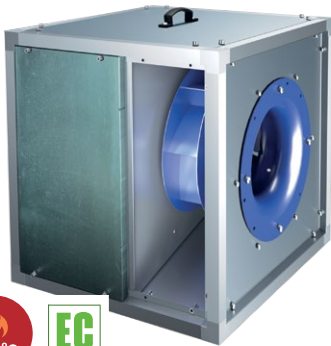


Series
VENTS VSK EC



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**

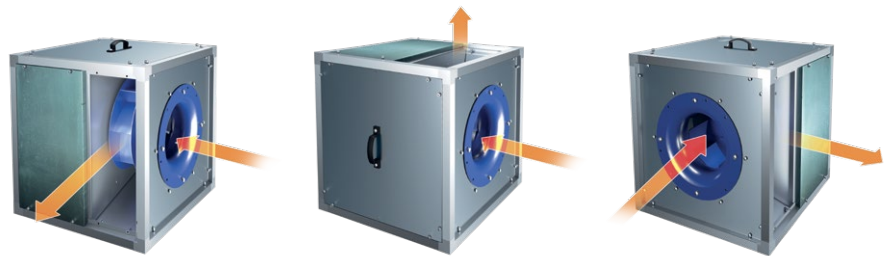
The fans are designed for installation with square or round ducts using a flexible adapter of the appropriate cross-section.

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.

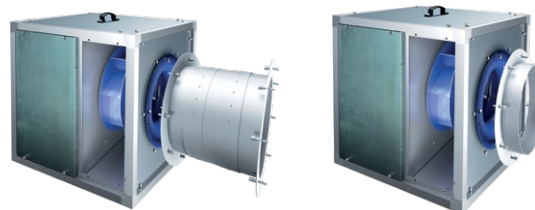
■ **Versatility of mounting**

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

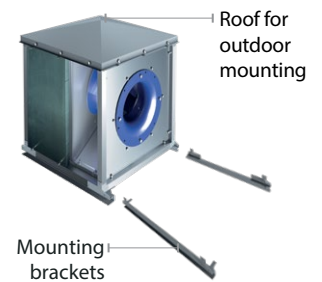


■ **Accessories**

Special flanges for round ducts



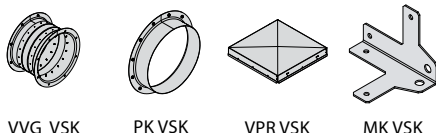
Mounting accessories



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

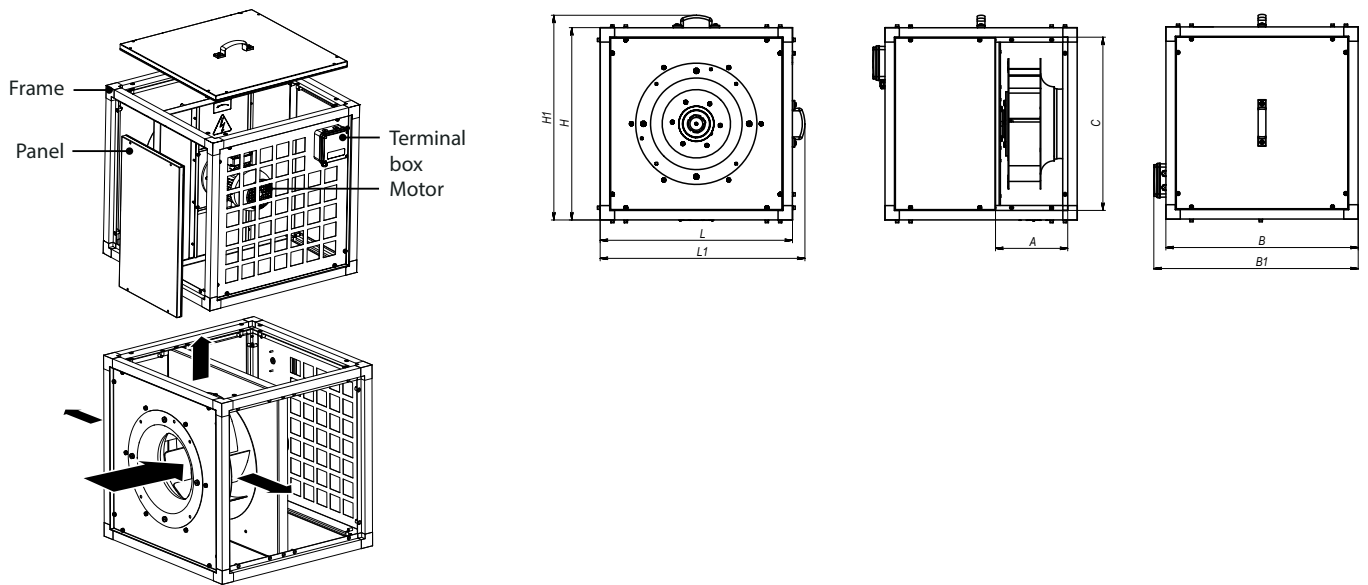


Speed controller
R-1/010

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 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 |

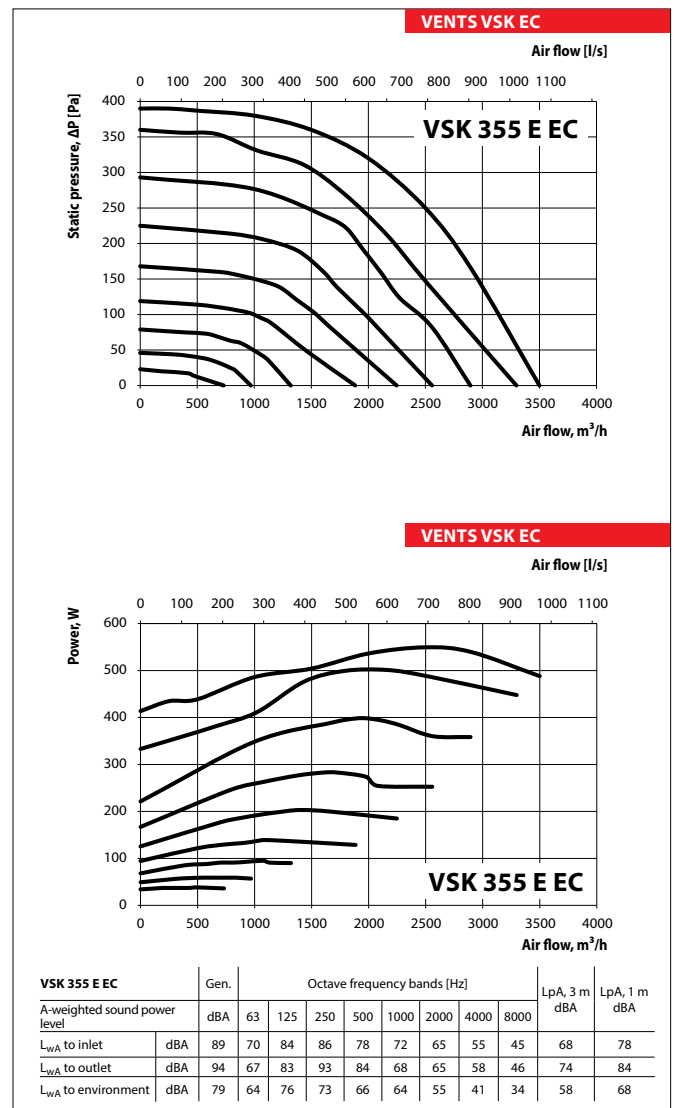
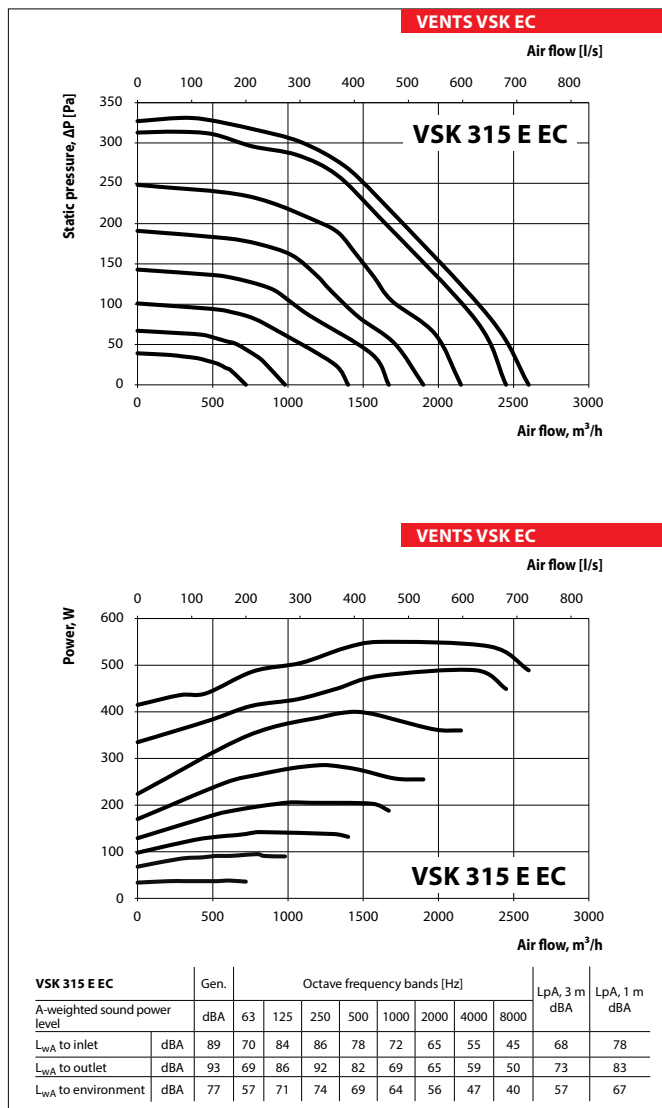
FAN SERIES VENTS VSK EC



SOUND-INSULATED KITCHEN FAN

Technical data

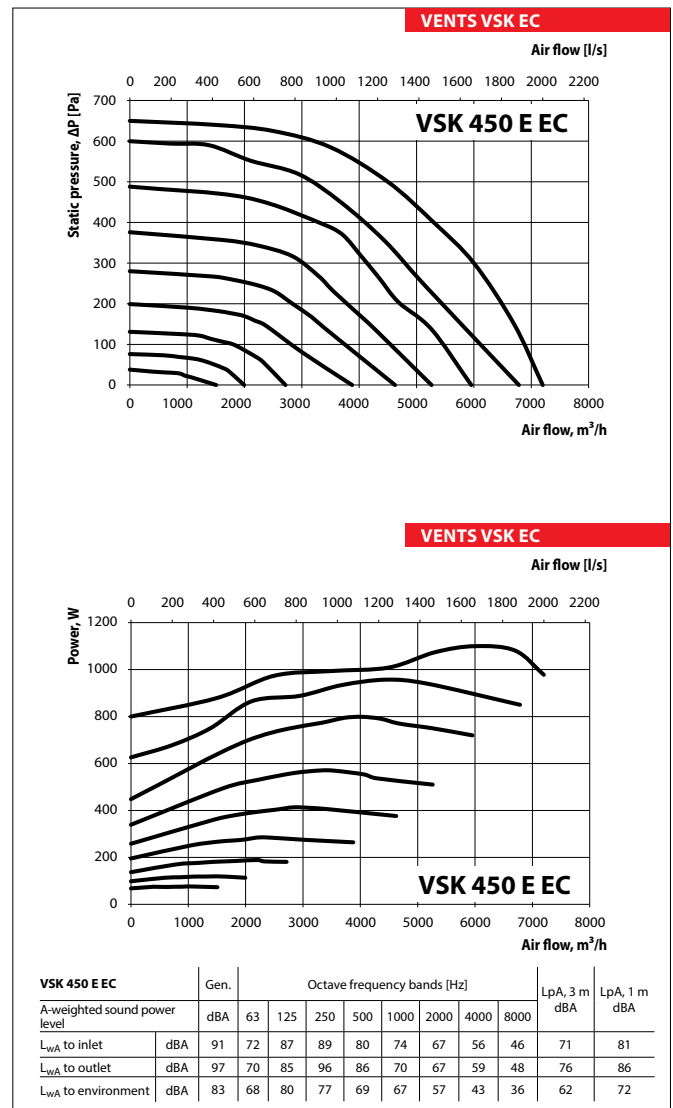
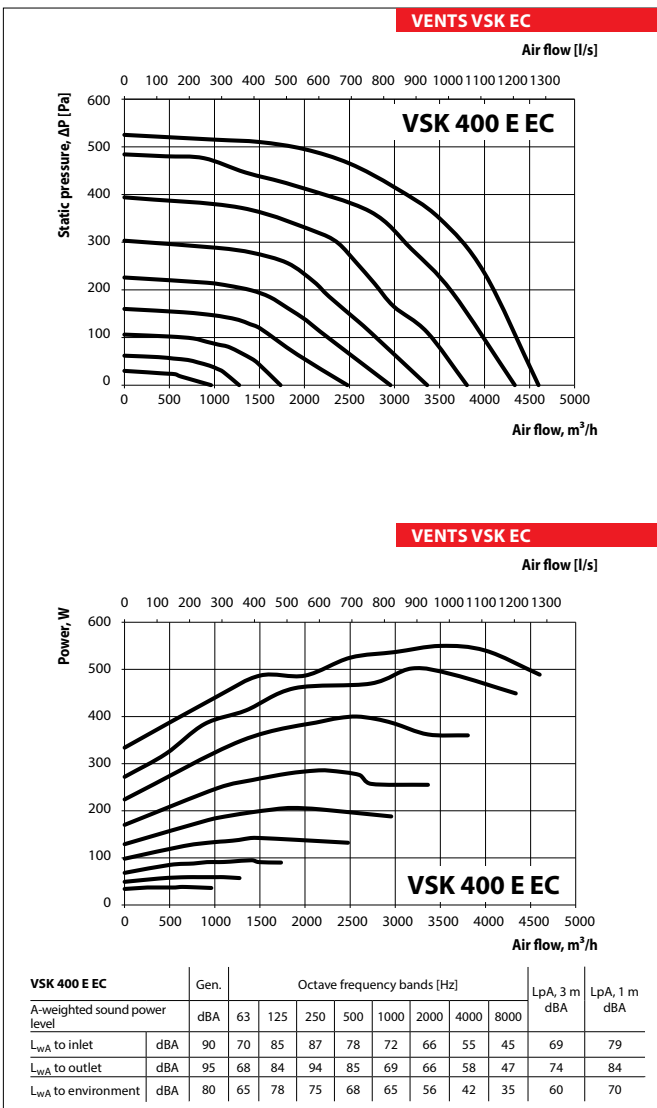
| | VSK 315 E EC | VSK 355 E EC |
|----------------------------------|--------------|--------------|
| Voltage [V] | 1~230 | 1~230 |
| Frequency [Hz] | 50/60 | 50/60 |
| Installed Power, [kW] | 0,55 | 0,55 |
| Max Absorbed Current [A] | 4,9 | 4,9 |
| Max. air capacity [m³/h] | 2600 | 3500 |
| Max. air 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 |

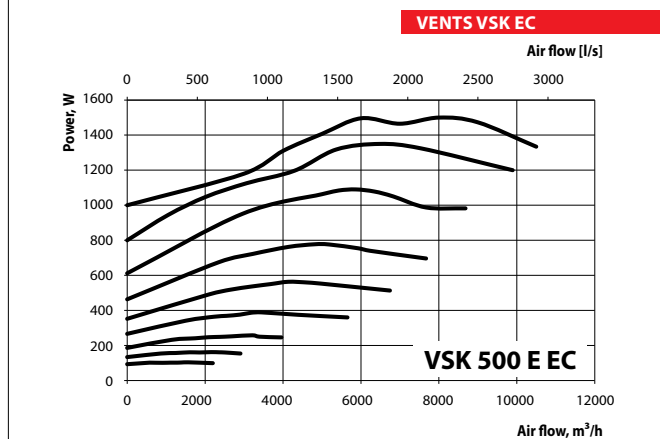
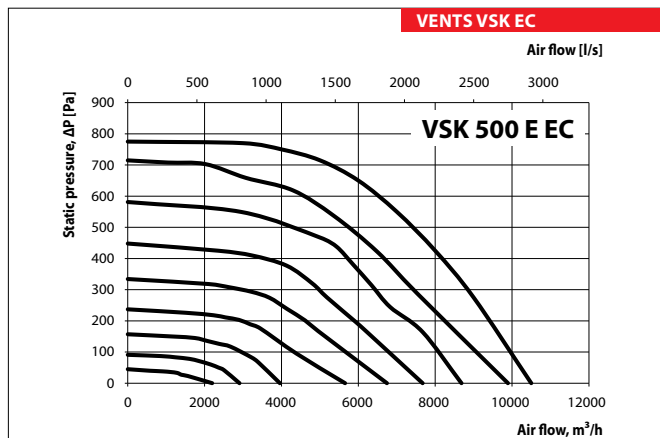
FAN SERIES VENTS VSK EC



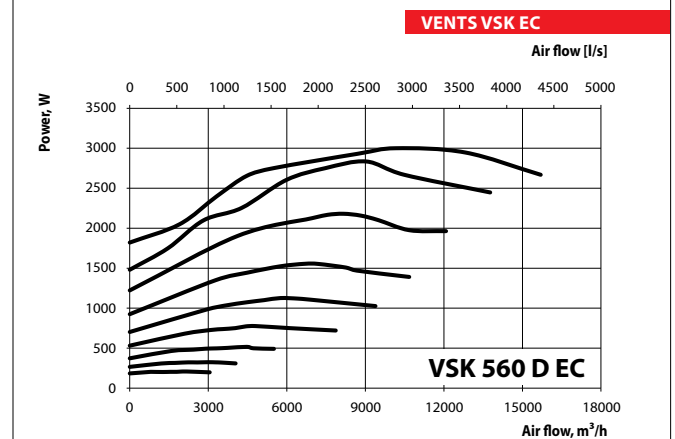
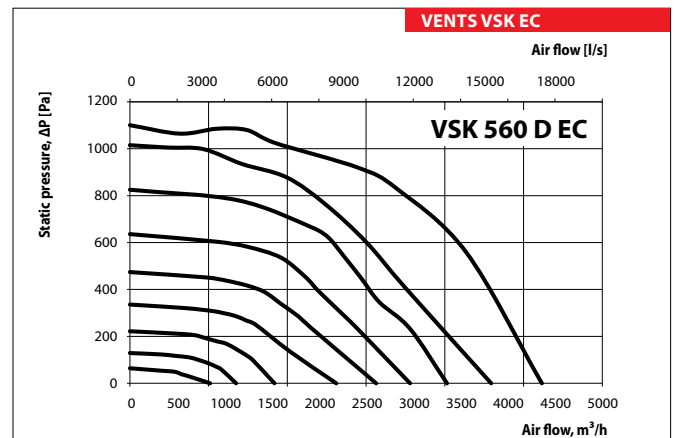
SOUND-INSULATED KITCHEN FAN

Technical data

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



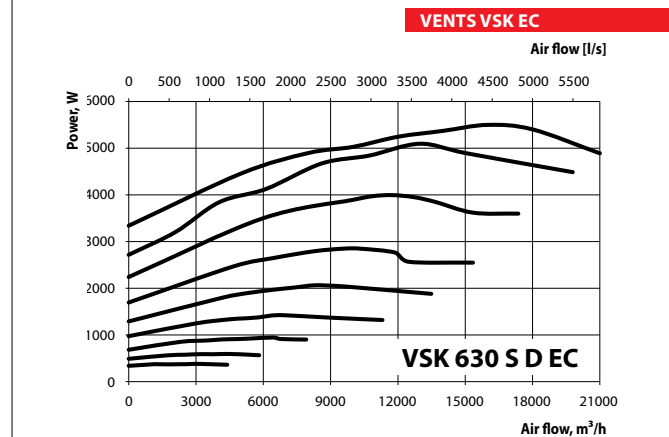
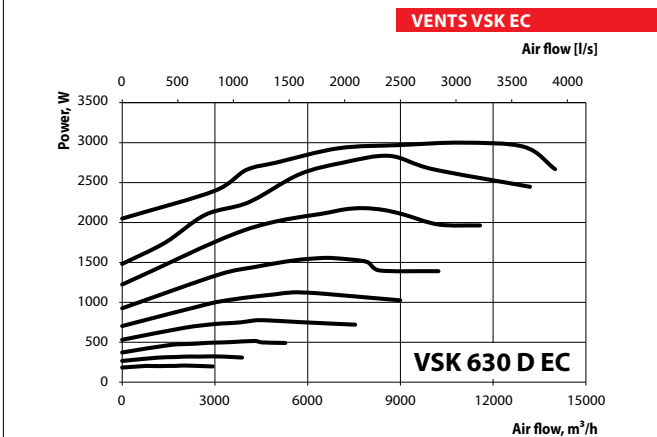
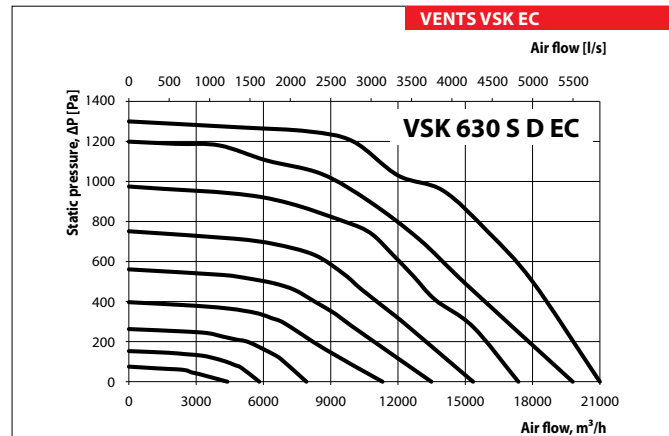
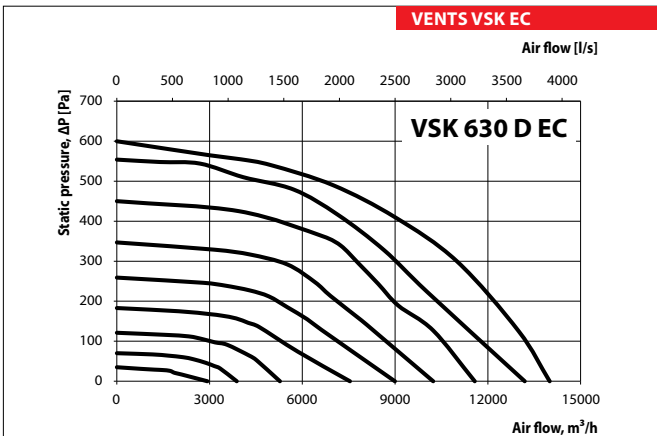
| VSK 500 E EC | | Gen. | Octave frequency bands [Hz] | | | | | | | | LpA, 3 m | LpA, 1 m |
|--------------------------------|-----|------|-----------------------------|-----|-----|-----|------|------|------|------|----------|----------|
| A-weighted sound power level | | dBA | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dBA | dBA |
| L _{WA} to inlet | dBA | 92 | 73 | 88 | 89 | 81 | 74 | 67 | 56 | 46 | 72 | 82 |
| L _{WA} to outlet | dBA | 98 | 71 | 86 | 97 | 87 | 71 | 68 | 60 | 48 | 77 | 87 |
| L _{WA} to environment | dBA | 83 | 69 | 81 | 78 | 70 | 67 | 58 | 43 | 36 | 63 | 73 |



| VSK 560 D 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 | 93 | 74 | 89 | 90 | 81 | 75 | 68 | 57 | 47 | 72 | 82 |
| L _{WA} to outlet | dBA | 100 | 73 | 88 | 99 | 89 | 72 | 69 | 61 | 49 | 79 | 89 |
| L _{WA} to environment | dBA | 85 | 70 | 83 | 79 | 71 | 68 | 59 | 44 | 37 | 64 | 74 |

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 |

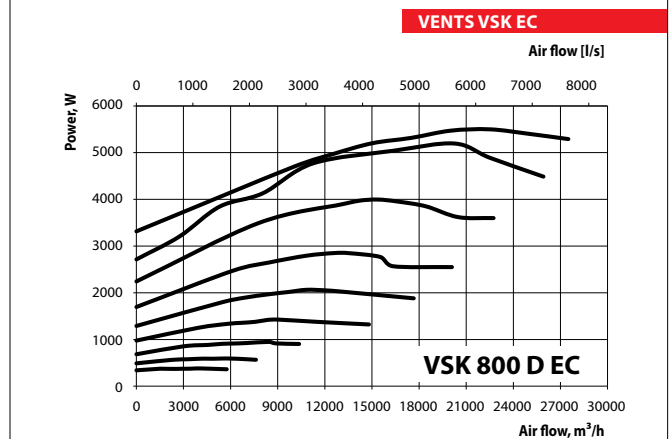
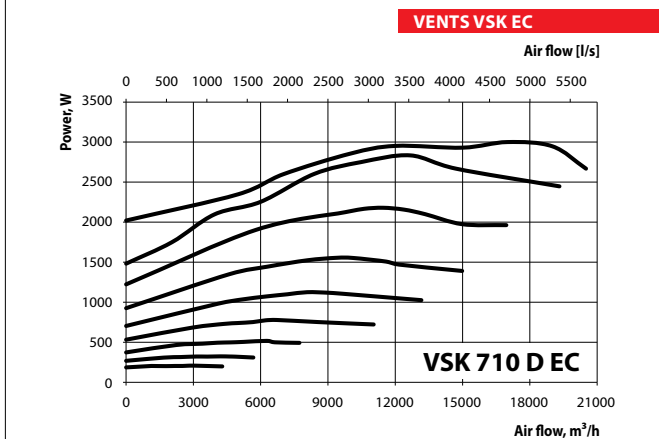
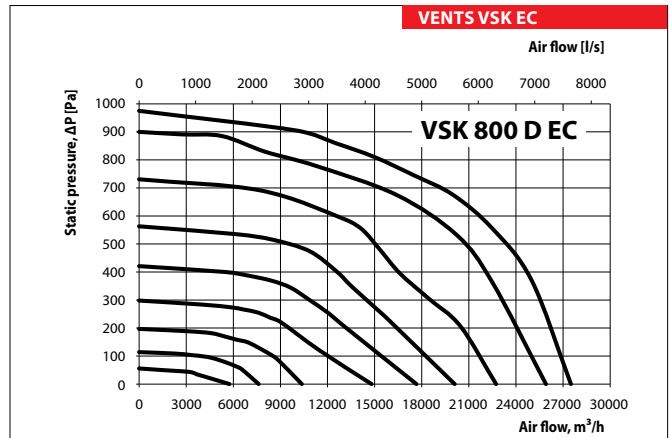
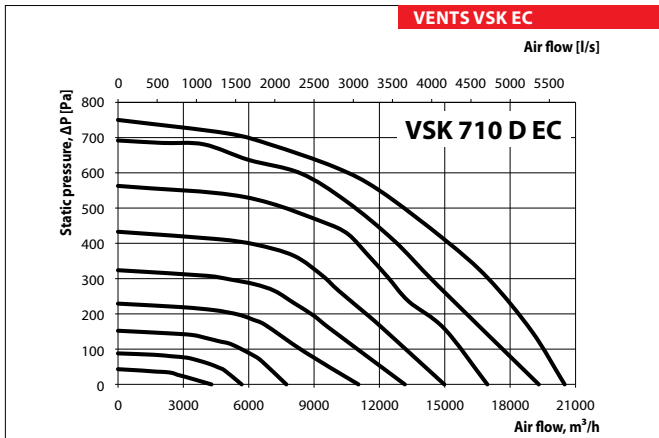


| VSK 630 D EC | | Gen. | Octave frequency bands [Hz] | | | | | | | | LpA, 3 m | LpA, 1 m |
|--------------------------------|-----|------|-----------------------------|-----|-----|-----|------|------|------|------|----------|----------|
| A-weighted sound power level | | dBA | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dBA | dBA |
| L _{WA} to inlet | dBA | 93 | 74 | 89 | 90 | 81 | 75 | 68 | 57 | 47 | 72 | 82 |
| L _{WA} to outlet | dBA | 100 | 73 | 88 | 99 | 89 | 72 | 69 | 61 | 49 | 79 | 89 |
| L _{WA} to environment | dBA | 86 | 71 | 84 | 80 | 72 | 69 | 59 | 44 | 37 | 65 | 75 |

| VSK 630 S D 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 | 95 | 75 | 90 | 92 | 83 | 76 | 69 | 58 | 47 | 74 | 84 |
| L _{WA} to outlet | dBA | 102 | 74 | 90 | 101 | 91 | 73 | 70 | 62 | 50 | 81 | 91 |
| L _{WA} to environment | dBA | 87 | 73 | 85 | 81 | 73 | 70 | 60 | 45 | 38 | 67 | 77 |

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 [m ³ /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 |

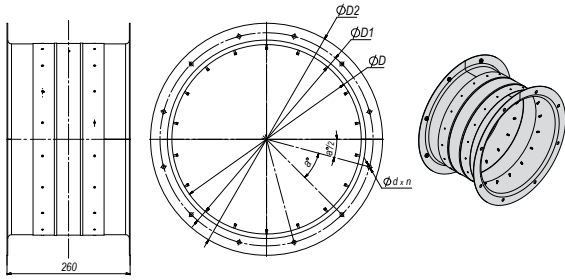


| VSK 710 D EC | | Gen. | Octave frequency bands [Hz] | | | | | | | | LpA, 3 m | LpA, 1 m |
|--------------------------------|-------|-------|-----------------------------|-----|-----|-----|------|------|------|------|----------|----------|
| A-weighted sound power level | | dB(A) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(A) |
| L _{WA} to inlet | dB(A) | 94 | 75 | 90 | 91 | 82 | 76 | 68 | 57 | 47 | 73 | 83 |
| L _{WA} to outlet | dB(A) | 101 | 73 | 89 | 100 | 90 | 73 | 70 | 61 | 49 | 80 | 90 |
| L _{WA} to environment | dB(A) | 86 | 72 | 84 | 81 | 72 | 69 | 59 | 44 | 37 | 66 | 76 |

| VSK 800 D EC | | Gen. | Octave frequency bands [Hz] | | | | | | | | LpA, 3 m | LpA, 1 m |
|--------------------------------|-------|-------|-----------------------------|-----|-----|-----|------|------|------|------|----------|----------|
| A-weighted sound power level | | dB(A) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(A) |
| L _{WA} to inlet | dB(A) | 94 | 75 | 90 | 91 | 82 | 76 | 69 | 58 | 47 | 74 | 84 |
| L _{WA} to outlet | dB(A) | 101 | 74 | 90 | 101 | 90 | 73 | 70 | 62 | 50 | 81 | 91 |
| L _{WA} to environment | dB(A) | 87 | 73 | 85 | 81 | 73 | 70 | 60 | 45 | 38 | 67 | 77 |

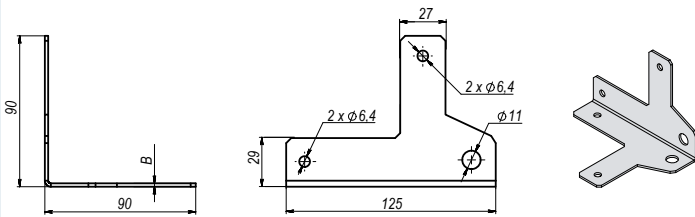
Accessories

VVG VSK



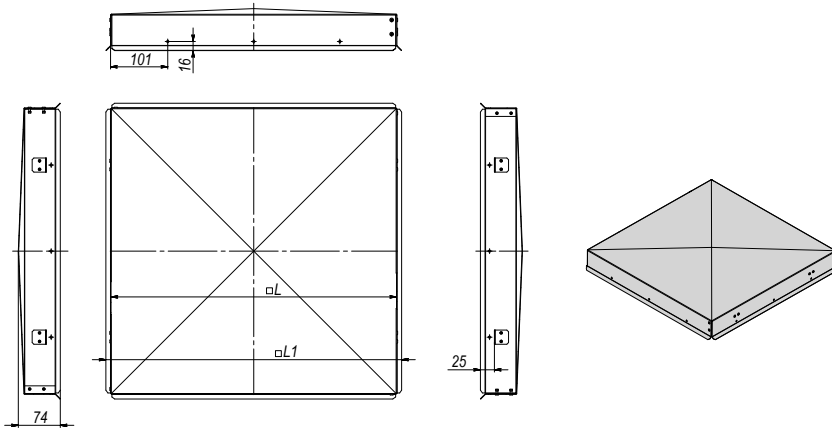
| Model | Dimensions [mm] | | | | | | Weight [kg] |
|-------------|-----------------|-----|-----|----|------|----|-------------|
| | D | D1 | D2 | n | a | d | |
| VVG VSK 315 | 315 | 365 | 405 | 6 | 60 | 8 | 4.76 |
| VVG VSK 355 | 355 | 395 | 435 | 8 | 45 | 10 | 4.08 |
| VVG VSK 400 | 400 | 450 | 490 | 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



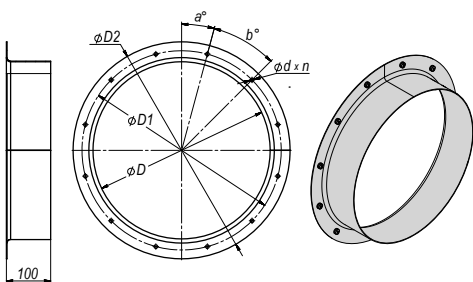
| Model | Dimensions [mm] | | Weight, [kg] |
|------------------|-----------------|---|--------------|
| | B | C | |
| MK VSK 315...450 | 2 | | 0,12 |
| MK VSK 500...800 | 3 | | 0,21 |

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 |