ALMECO

air and water technologies

SVK2

EX SVK2

SVV2

SVH2

# ROOF FANS

# ROOF FANS

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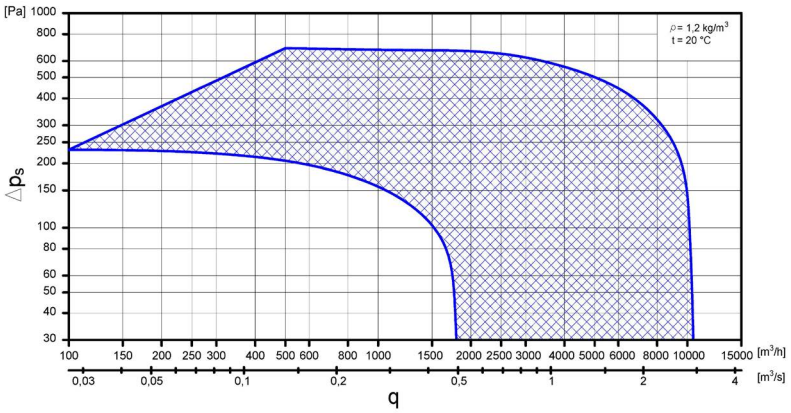
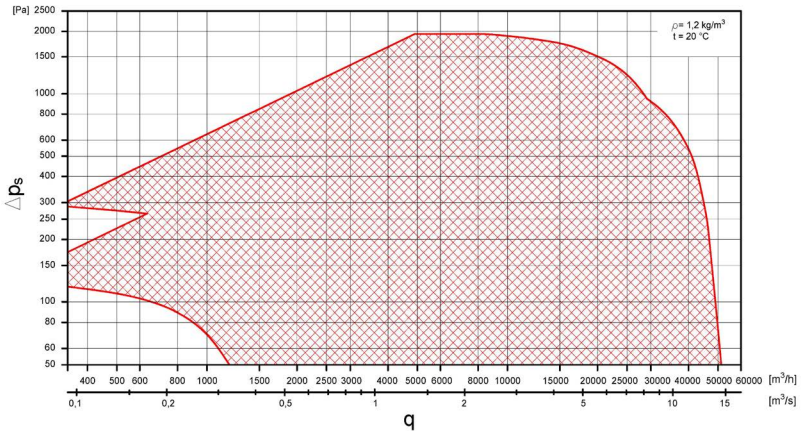



## GENERAL SELECTION SVH2/SVV2



# ROOF FANS TYPE SVH2 and SVV2

**Use**

Roof fans SVH2 type with horizontal outlet and SVV2 type with vertical outlet are suitable for ventilation systems of industrial buildings, workshops, garages, apartment blocks, lavatories, shopping malls and other large spaces for the transport of dust free air and other non-aggressive gases.

**Technical description**

Fans have impellers with back-curved blades, which assure good efficiency ratio and low noise level. Impeller and electromotor are dynamically balanced in G 6.3 class by ISO 1940-1. Electromotor with impeller are mounted on the fan casing trough the shock absorbers, which assure vibrations dampening inside a fan casing.
Base plate with inlet funnel enables minimal entry losses. Screws on the base plate ensure easy connection of all additional inlet accessories.
Protective caps at SVH2 and external casings at SVV2 are made of Al sheet metal. Impellers of both designs are protected against touch with safety mesh. Mesh also prevents animals, leafs or other larger parts to enter the fan.
Fans ensure long lasting operation, with long service intervals, for low cost operation and maintenance.
Temperature range:
- ambient temperature: -15 to 50°C

**Drive**

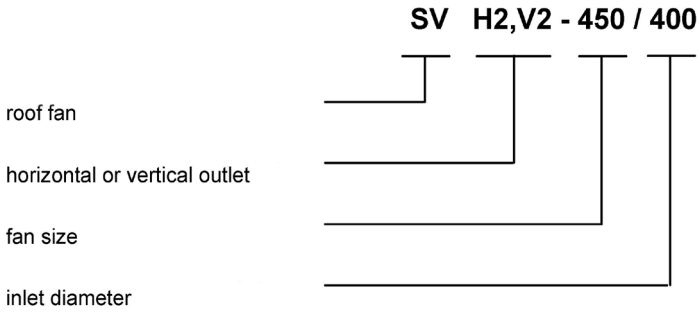
Roof fans type SVH2 and SVV2 have electric motors with external rotor.
Standard motors for sizes 250/200 and 315/250 are monophase, one-speed, 230V/50Hz, with integrated thermal protection.
Roof fans sizes from 400/315 to 560/500 have three-phase, two-speed, 400V/50Hz motors with thermal protection sensors (TK). Sensor leads must be connected to the external protective device in switchboxes or speed controllers. All electromotors have IP 44 protection.

Start, stop and RPM regulation of the fan is possible with one or two speed switch and five speed regulator.

**Accessories**

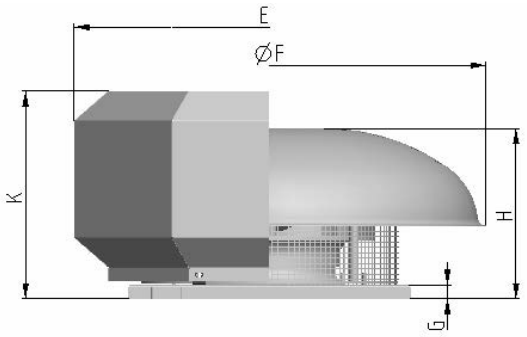
Standard accessories are flexible connections, back draft shutters, roof upstands and silencers.

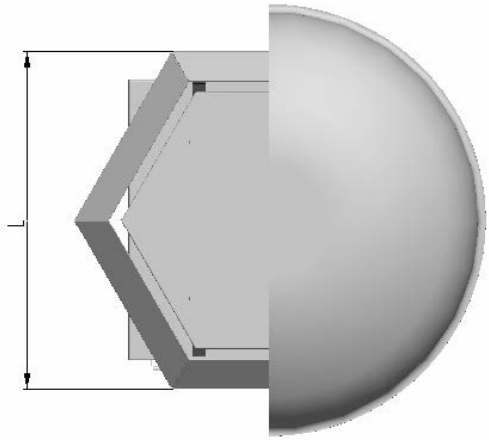
## Designation

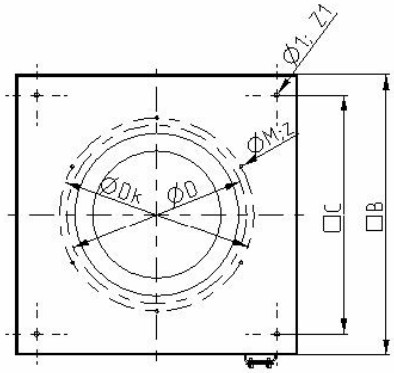


# ROOF FANS TYPE SVH2 and SVV2

**SVV2** **SVH2**




## Dimensions

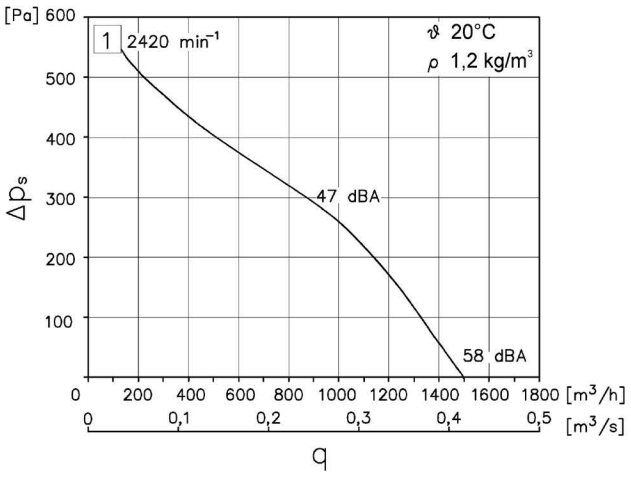
| Type SVH2, SVV2 | ØD | $ØD_K$ | □B | □C | E | L | ØF | G | H | K | z; M | $Ø_1$ | $z_1$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **250/200** | 200 | 235 | 400 | 330 | 580 | 502 | 540 | 30 | 245 | 280 | 6xM6 | Ø12 | 4 |
| **315/250** | 250 | 286 | 500 | 430 | 680 | 589 | 740 | 30 | 335 | 355 | 6xM6 | Ø12 | 4 |
| **400/315** | 315 | 356 | 560 | 480 | 780 | 675 | 740 | 30 | 385 | 430 | 8xM8 | Ø12 | 4 |
| **450/400** | 400 | 438 | 630 | 540 | 880 | 762 | 975 | 30 | 395 | 470 | 6xM8 | Ø12 | 4 |
| **500/450** | 450 | 487 | 710 | 610 | 980 | 849 | 975 | 30 | 465 | 520 | 6xM8 | Ø14 | 4 |
| **560/500** | 500 | 541 | 800 | 700 | 1100 | 953 | 1100 | 30 | 500 | 560 | 6xM8 | Ø14 | 4 |

## Technical data

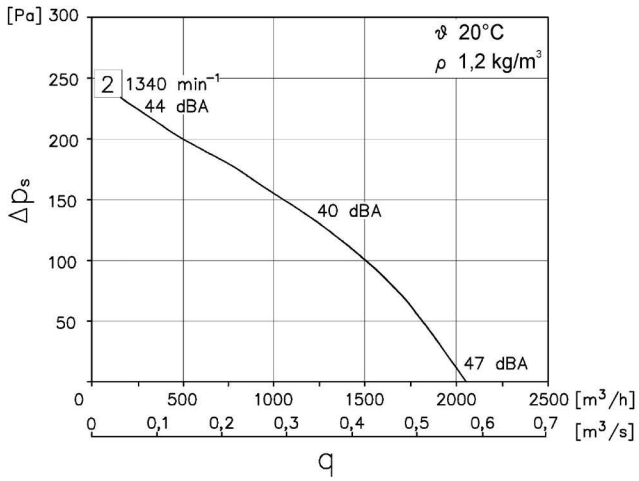
| Type SVH2, SVV2 | Type of EM | RPM [$min^{-1}$] | Power [kW] | Current [A] | Voltage [V] | Weight [kg] | Number |
|---|---|---|---|---|---|---|---|
| **250/200** | RH25V-2EP | 2420 | 0,2 | 0,86 | 230V; 50Hz | 9 | 1 |
| **315/250** | RH31V-4EP | 1240 | 0,14 | 0,62 | 230V; 50Hz | 16 | 2 |
| **400/315** | RH40V-4DK | 1360 | 0,45 | 1,05 | 3x400V; 50Hz | 21 | 3/4 |
| **450/400** | RH45V-4DK | 1360 | 0,75 | 1,55 | 3x400V; 50Hz | 28 | 5/6 |
| **500/450** | RH50V-4DK | 1360 | 1,2/0,83 | 2,2/1,4 | 3x400V; 50Hz | 48 | 7/8 |
| **560/500** | RH56V-VDK | 1340/1070 | 2,1/1,4 | 4,2/2,4 | 3x400V; 50Hz | 57 | 9/10 |

# ROOF FANS TYPE SVH2 and SVV2

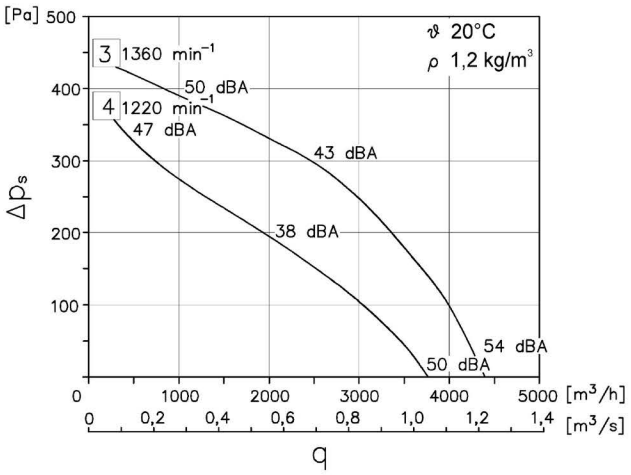
**SVH2 - 250/200 SVV2 - 250/200**



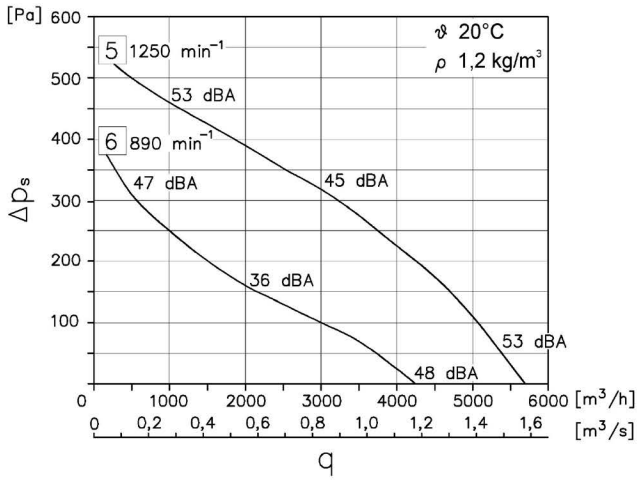

**SVH2 - 315/250 SVV2 - 315/250**



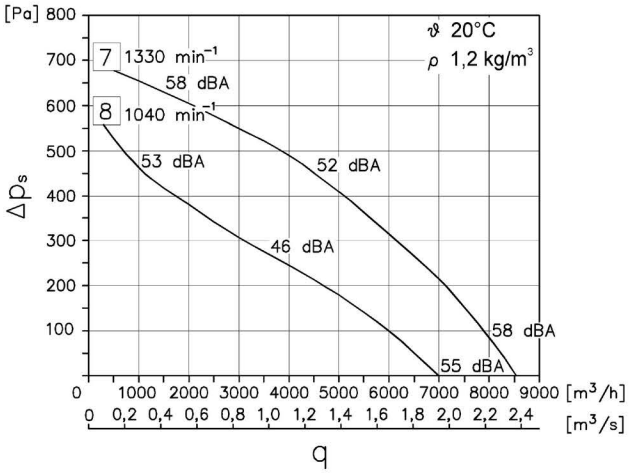

**SVH2 - 400/315 SVV2 - 400/315**



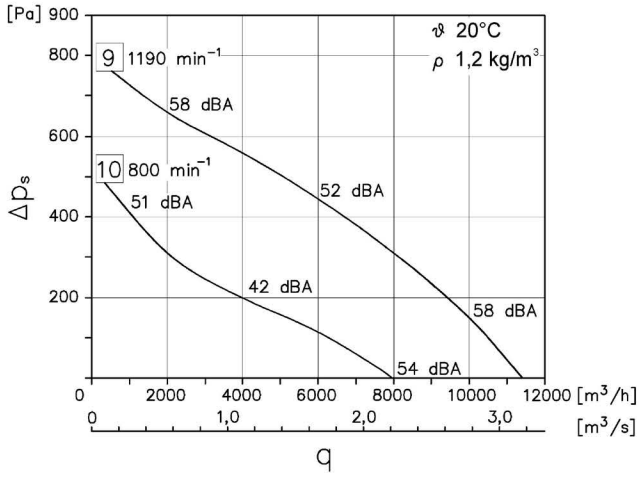

**SVH2 - 450/400 SVV2 - 450/400**




**SVH2 - 500/450 SVV2 - 500/450**




**SVH2 - 560/500 SVV2 - 560/500**




**NOTE:** Sound pressure $L_{pA}$ [dBA] is for SVH2. It is defined sideways on 4m distance on an outlet side and 4m under suction side with directivity factor Q=2.

Sound pressure correction on pressure side for type SVV2 is -2 dBA.

# ROOF FANS TYPE SVK2

### Use

Roof fans type **SVK2** with vertical outlet and three phase IEC electromotors are designed for ventilation systems of industrial buildings, kitchen hoods, workshops, garages, laundries and lavatories for air with increased humidity and pollution. Max air temperature is 120°C. Fans are designed for airflow range up to 50.000 m3/h and pressure 2000 Pa.

### Technical description

Fans have welded impellers with back-curved blades, which assure good efficiency ratio and low noise level. They are dynamically balanced in G 6.3 class according ISO 1940-1.
Electromotor with impeller are mounted on the fan casing trough the shock absorbers, which assure vibrations dampening inside a fan casing.
Base plate with inlet funnel enables minimal entry losses. Screws on the base plate ensure easy connection of all additional inlet accessories.
External casings are made of Al sheet metal. Impellers are protected against touch with safety mesh. Mesh also prevents animals, leafs or other larger parts to enter the fan.
Fans ensure long lasting operation with long service intervals - low cost operation and maintenance.
Temperature range:
- ambient temperature: -20 to 50°C

### Drive

SVK2 type roof fans have integrated standard three-phase electro motors 3x400V; 50Hz, IP55, IM V1.
For each fan size it is possible to select electromotor between one and two-speed speed. Motors are also equipped with PTC sensors for thermal protection. Start, stop and RPM regulation of the fan is possible with two speed switch or frequency converter, depending of the electromotor power.

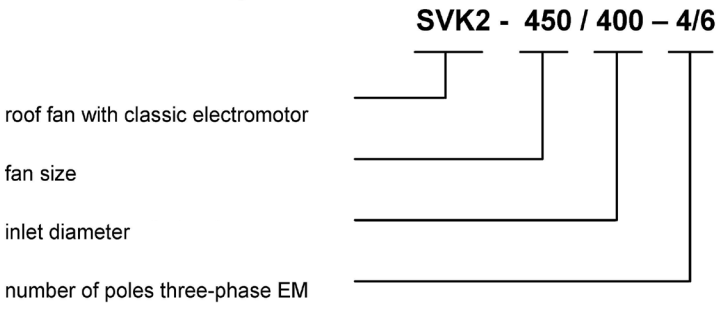
### Accessories

Standard accessories are flexible couplings, back draft shutters, roof upstands and silencers.

### Special design

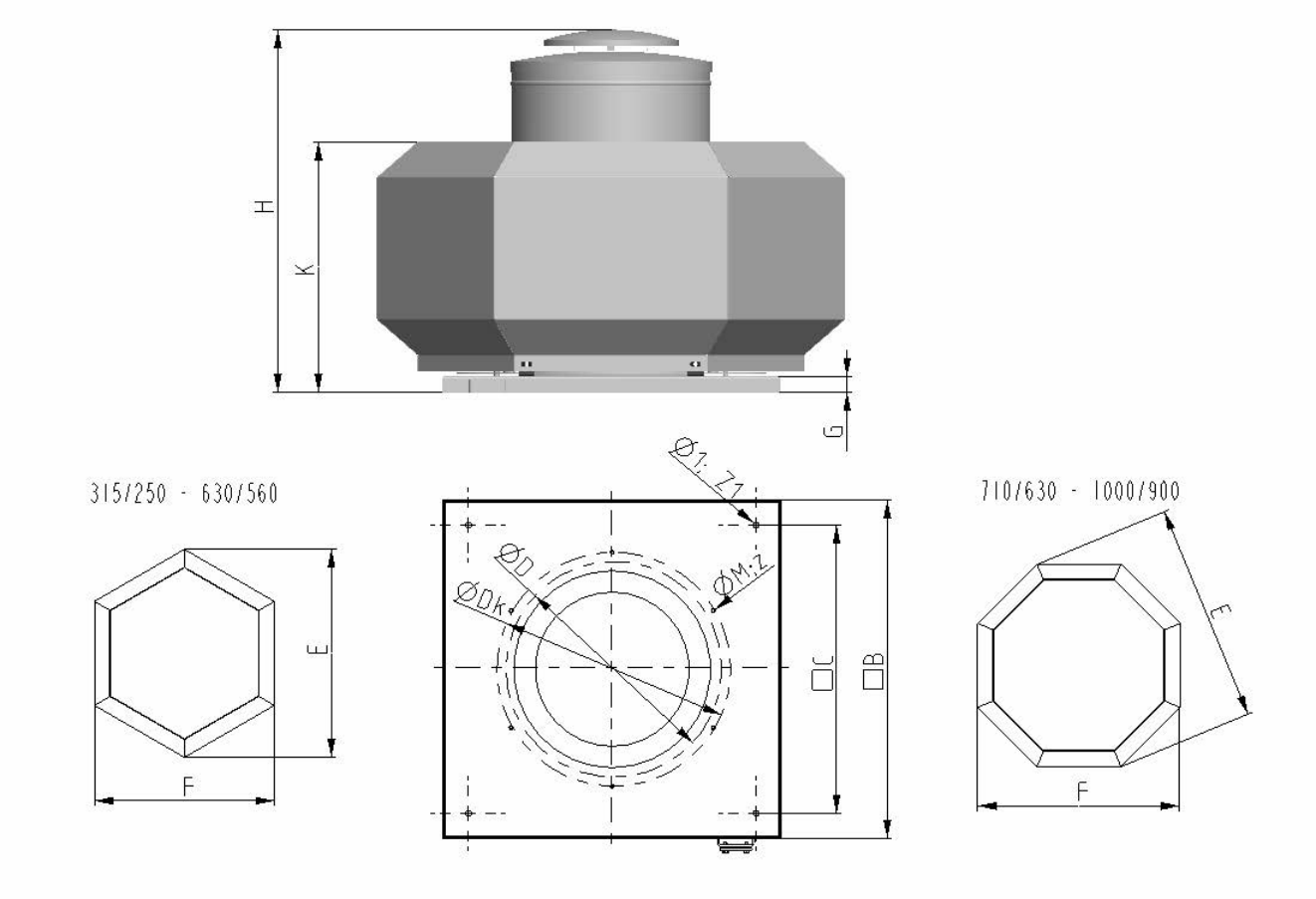
We also produce special SVK2 designs by costumer's demand. Standard designs in production are roof fans for hazardous areas - **E**x design (pg. 11) and **ODT-SVK2** roof fans - for smoke and heat extraction class F400 according to EN12101-3 (brochure ODT-SVK).

## Designation



# ROOF FANS TYPE SVK2

## Dimensions




| SVK2 | ØD | ØDk | □B | E | F | G | H | K | M | Z | □C | Ø1 | z1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **315/250** | 250 | 286 | 500 | 680 | 589 | 40 | 570 | 365 | M6 | 6 | 430 | Ø12 | 4 |
| **400/315** | 315 | 356 | 560 | 780 | 675 | 40 | 640 | 440 | M8 | 8 | 480 | Ø12 | 4 |
| **450/400** | 400 | 438 | 630 | 880 | 762 | 40 | 690 | 480 | M8 | 6 | 540 | Ø12 | 4 |
| **500/450** | 450 | 487 | 710 | 980 | 849 | 40 | 730 | 530 | M8 | 6 | 610 | Ø14 | 4 |
| **560/500** | 500 | 541 | 800 | 1100 | 953 | 40 | 780 | 570 | M8 | 6 | 700 | Ø14 | 4 |
| **630/560** | 560 | 605 | 900 | 1315 | 1140 | 40 | 960 | 785 | M10 | 8 | 780 | Ø14 | 4 |
| **710/630** | 630 | 674 | 1000 | 1407 | 1300 | 50 | 1060 | 845 | M10 | 8 | 880 | Ø18 | 4 |
| **800/710** | 710 | 751 | 1120 | 1612 | 1490 | 50 | 1190 | 950 | M10 | 8 | 1000 | Ø18 | 4 |
| **900/800** | 800 | 837 | 1250 | 1785 | 1650 | 50 | 1240 | 1000 | M10 | 12 | 1100 | Ø22 | 4 |
| **1000/900** | 900 | 934 | 1400 | 2002 | 1850 | 50 | 1300 | 1060 | M10 | 12 | 1250 | Ø22 | 4 |

# ROOF FANS TYPE SVK2

## Technical data

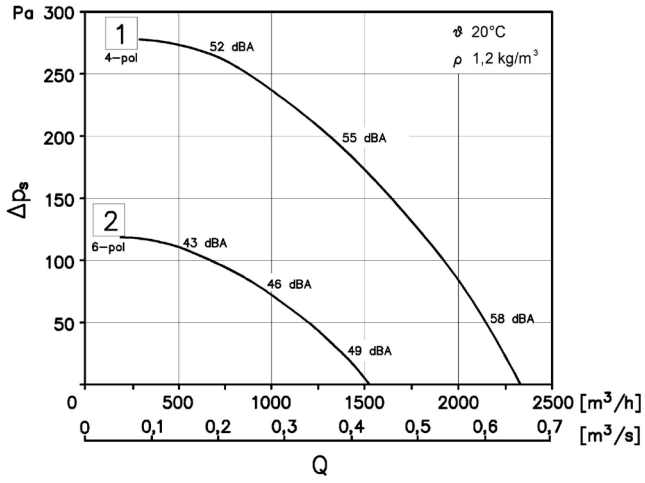
| Fan type SVK2 | El. motor 3x400 V, 50Hz; IP 55; PTC | | | | Ventilator Fan | | |
|---|---|---|---|---|---|---|---|
| | n [min$^{-1}$] | P [kW] | $I_n$ [A] | Size IEC | $q_{max}$ [m$^3$/h] | Weight [kg] | Number |
| **315/250-4** | 1400 | 0,25 | 0,74 | 71 A | 2300 | 28 | 1 |
| **315/250-6** | 915 | 0,18 | 0,66 | 71 A | 1500 | 28 | 2 |
| **315/250-4/6** | 1400 / 950 | 0,18 / 0,07 | 0,72 | 71 A | 2300 / 1500 | 28 | 1 / 2 |
| **400/315-4** | 1405 | 0,55 | 1,48 | 80 K | 4700 | 37 | 3 |
| **400/315-6** | 910 | 0,37 | 1,17 | 80 K | 3100 | 37 | 4 |
| **400/315-4/6** | 1420 / 965 | 0,6 / 0,2 | 1,69 / 1,02 | 80 K | 4700 / 3100 | 37 | 3 / 4 |
| **400/315-4/8** | 1380 / 685 | 0,6 / 0,12 | 1,72 / 0,75 | 80 K | 4700 / 2400 | 37 | 3 / 5 |
| **450/400-4** | 1385 | 1,1 | 2,7 | 90 S | 6700 | 51 | 6 |
| **450/400-6** | 910 | 0,37 | 1,17 | 80 K | 4500 | 51 | 7 |
| **450/400-4/6** | 1435 / 965 | 1,0 / 0,35 | 3,13 / 1,36 | 90 S | 6700 / 4500 | 51 | 6 / 7 |
| **450/400-4/8** | 1395 / 705 | 1,4 / 0,30 | 3,63 / 1,21 | 90 S | 6700 / 3300 | 51 | 6 / 8 |
| **500/450-4** | 1410 | 1,5 | 3,5 | 90 L | 9100 | 63 | 9 |
| **500/450-6** | 900 | 0,55 | 1,77 | 80 G | 6100 | 60 | 10 |
| **500/450-4/6** | 1420 / 935 | 1,5 / 0,4 | 4,63 / 1,46 | 90 L | 9100 / 6200 | 63 | 9 / 10 |
| **500/450-4/8** | 1395 / 705 | 1,4 / 0,30 | 3,63 / 1,21 | 90 S | 9100 / 4400 | 63 | 9 / 11 |
| **560/500-4** | 1425 | 3,0 | 6,40 | 100 LX | 13300 | 85 | 12 |
| **560/500-6** | 930 | 1,5 | 4,0 | 100 L | 8700 | 85 | 13 |
| **560/500-4/6** | 1420 / 965 | 3,0 / 1,0 | 7,8 / 2,88 | 112 M | 13300 / 8700 | 90 | 12 / 13 |
| **560/500-4/8** | 1420 / 690 | 2,8 / 0,7 | 6,3 / 2,42 | 100 LX | 13300 / 6500 | 90 | 12 / 14 |
| **630/560-4** | 1455 | 5,5 | 10,8 | 132 S | 19300 | 130 | 15 |
| **630/560-6** | 940 | 2,2 | 5,12 | 112 M | 12900 | 130 | 16 |
| **630/560-4/6** | 1455 / 975 | 6,0 / 2,2 | 11,8 / 5,66 | 132 M | 19300 / 12900 | 140 | 15 / 16 |
| **630/560-4/8** | 1445 / 740 | 5,0 / 1,2 | 11,8 / 5,66 | 132 S | 19300 / 9600 | 140 | 15 / 17 |
| **710/630-4S** | 1450 | 7,5 | 14,3 | 132 M | 23700 | 250 | 18 |
| **710/630-4** | 1450 | 11,0 | 20,9 | 160 M | 27500 | 250 | 20 |
| **710/630-6** | 970 | 3,0 | 7,0 | 132 S | 18300 | 240 | 21 |
| **710/630-4/6** | 1465 / 975 | 10,0 / 3,3 | 21,1 / 8,4 | 160 M | 27500 / 18300 | 280 | 20 / 21 |
| **710/630-4/8** | 1450 / 730 | 10,0 / 2,5 | 20,2 / 6,6 | 160 M | 27500 / 13800 | 280 | 20 / 22 |
| **800/710-4** | 1460 | 15 | 28,1 | 160 L | 39500 | 390 | 23 |
| **800/710-6** | 970 | 5,5 | 12,0 | 132 MX | 26000 | 340 | 24 |
| **800/710-4/6** | 1475 / 985 | 16,0 / 5,4 | 30,5 / 13,9 | 180 M | 39500 / 26000 | 390 | 23 / 24 |
| **800/710-4/8** | 1470 / 730 | 16,0 / 4,5 | 29,9 / 11,0 | 180 M | 39500 / 19700 | 390 | 23 / 25 |
| **900/800-6** | 965 | 7,5 | 15,8 | 160 M | 37000 | 410 | 26 |
| **900/800-8** | 715 | 4,0 | 9,3 | 160 M | 27500 | 400 | 27 |
| **900/800-6/8** | 980 / 740 | 8,0 / 3,0 | 19,0 / 8,2 | 160 L | 37000 / 27500 | 430 | 26 / 27 |
| **1000/900-6S** | 970 | 11,0 | 22,4 | 160 L | 43200 | 520 | 28 |
| **1000/900-8S** | 720 | 5,5 | 12,4 | 160 MX | 32000 | 500 | 29 |
| **1000/900-6** | 975 | 15,0 | 29,4 | 180 L | 52000 | 520 | 30 |
| **1000/900-8** | 725 | 7,5 | 16,3 | 160 L | 38000 | 500 | 31 |

Motors with different RPM and electrical parameters are offered on customer's request.

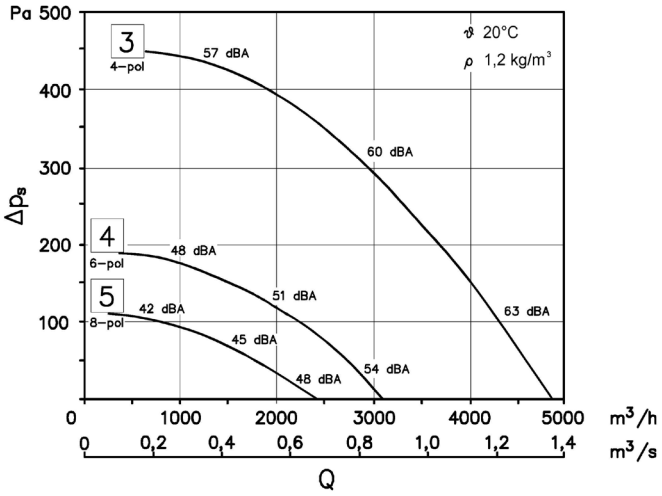
Motors for Ex design are specified at EX SVK2 fan type (page 13).

# ROOF FANS TYPE SVK2

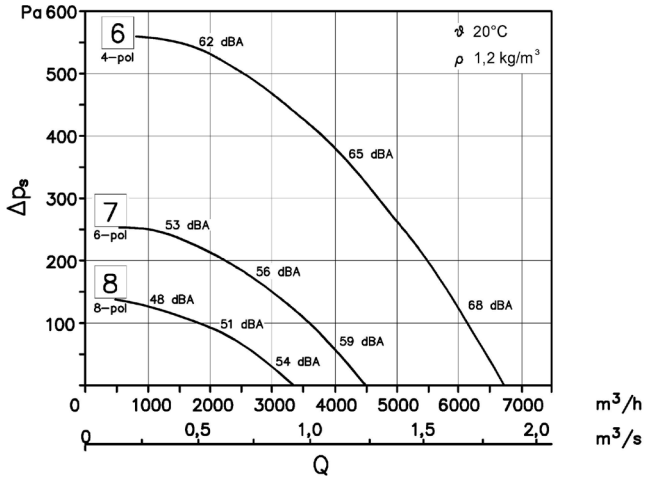
## SVK2 - 315/250 EX SVK2 - 315/250



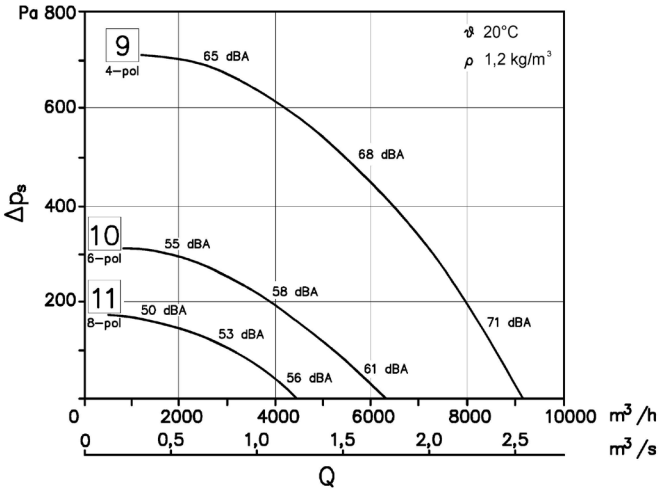

## SVK2 - 400/315 EX SVK2 - 400/315



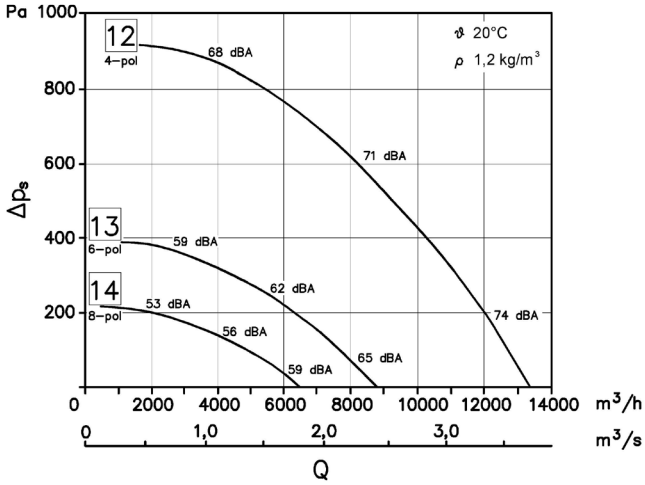

## SVK2 - 450/400 EX SVK2 - 450/400



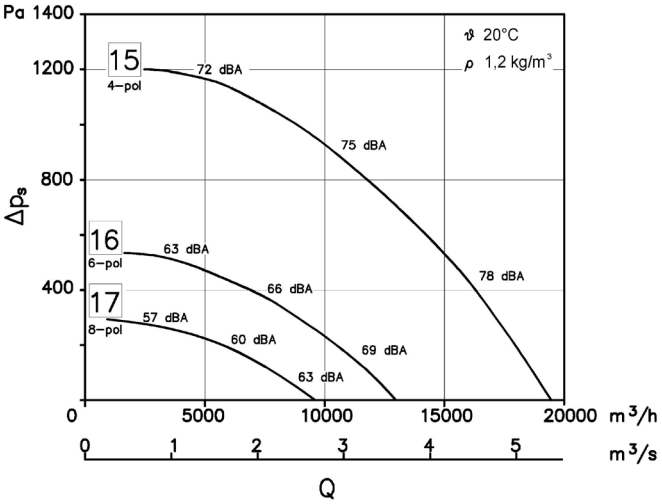

## SVK2 - 500/450 EX SVK2 - 500/450




## SVK2 - 560/500 EX SVK2 - 560/500

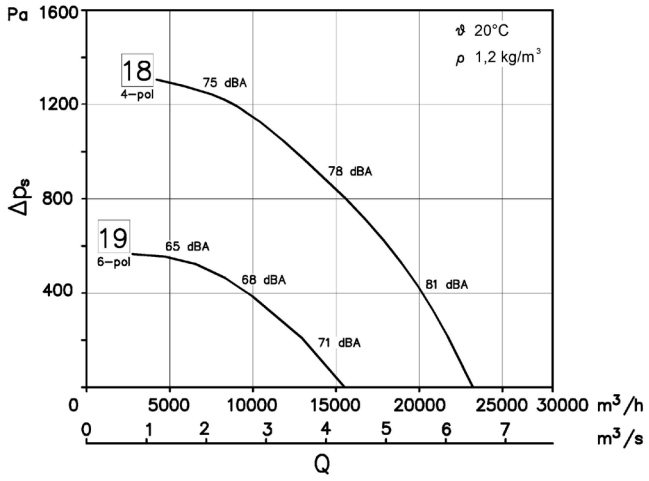



## SVK2 - 630/560 EX SVK2 - 630/560

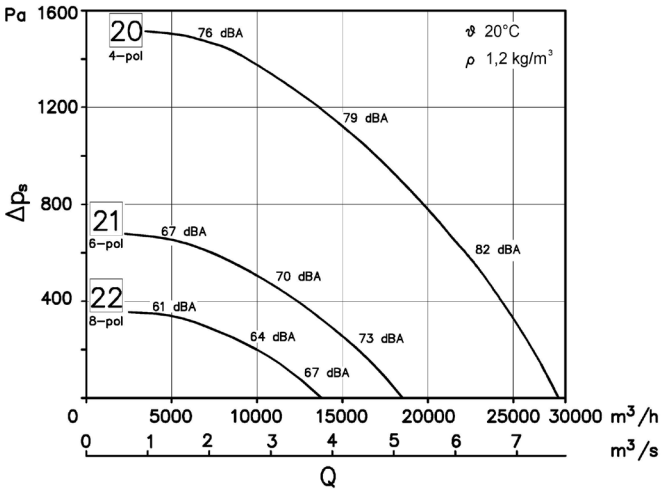


# ROOF FANS TYPE SVK2

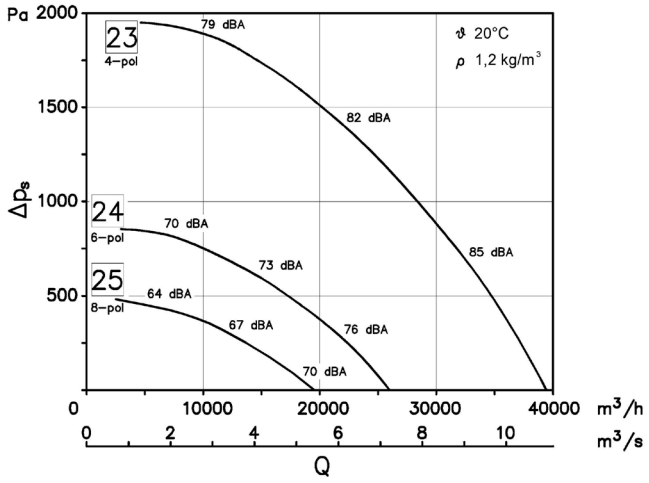
## SVK2 - 710/630S  EX SVK2 - 710/630S



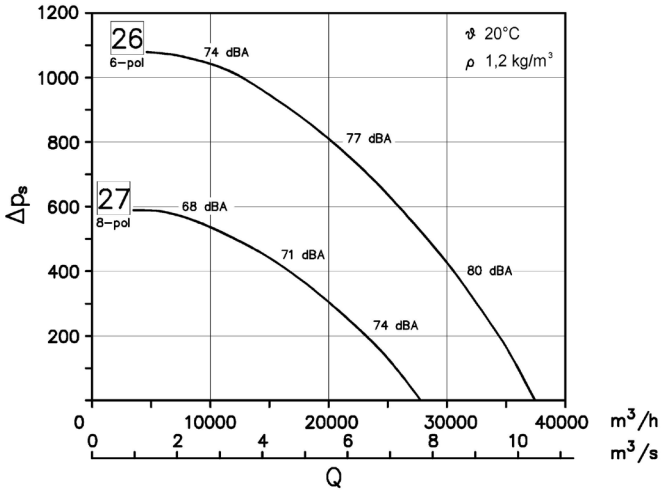

## SVK2 – 710/630



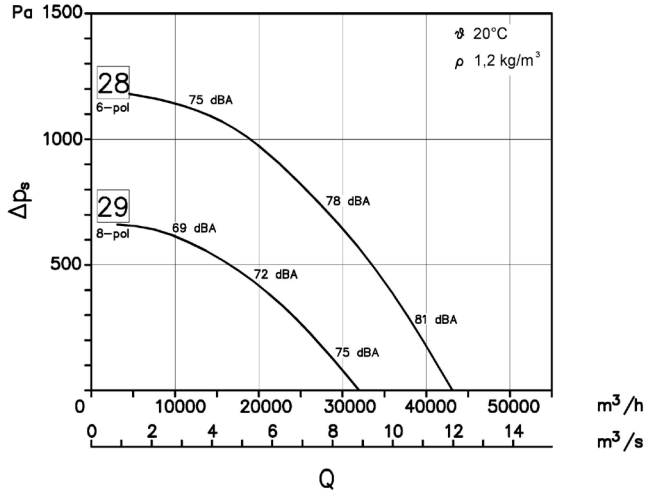

## SVK2 – 800/710  EX SVK2 – 800/710



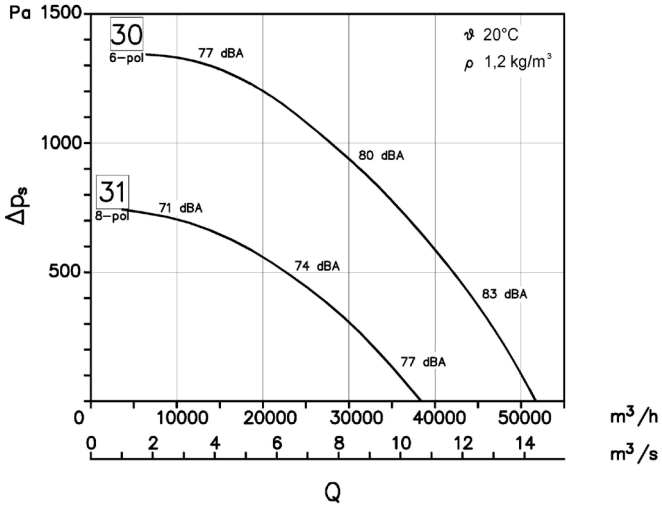

## SVK2 – 900/800




## SVK2 – 1000/900S




## SVK2 – 1000/900




**NOTE:** Defined sound pressure $L_{pA}$ [dBA] is measured sideways on 4m distance!

# ROOF FANS TYPE EX SVK2

**Roof fans for hazardous area**

Explosive composition of gases and fumes with air, which are result of production process, or consequence of malfunction. Mixture ignition with spark or excessive heating of individual parts, can cause explosion or fire.
Roof fans type EX SVK2 are designed according to directives, which prevent explosion or fire, due to their operation. Also the customer has to strictly consider all the regulations and guidelines, by selection, mounting, usage and maintenance of the fan.

**Application**

The use of the roof fans **EX SVK2** is permitted for hazardous zones in industrial areas:
- hazardous zone 0: not allowed
- hazardous zone 1: **Ex II 2G c IIB T4**
- hazardous zone 2: **Ex II 3G c IIB T4**

**Technical description**

Explosion proof EX SVK2 fans are similar to standard SVK2 type, with construction improvements, which conforms to directive 94/9/ES and norm EN 13463-1 & EN 14986.
Temperature range:
- ambient temperature: -20 to 40°C

**Drive**

EX SVK2 fans have standard three-phase electromotors 3x400V; IP55, 50Hz with explosion proof protection II 2G EEx de IIC T4 and PTC sensors for thermal protection.

**RPM regulation**

Start, stop and RPM regulation is possible with one or twospeed switch or frequency converter.

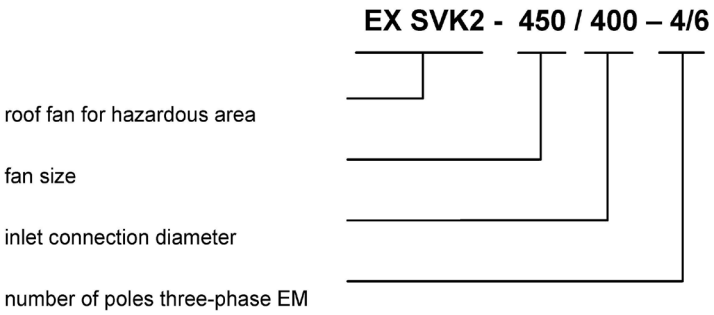
**For switches and frequency converters is mandatory to mount them outside of the hazardous zone.**

Switches for installation inside of the hazardous zone are available by specific customer's request.

Designation example:

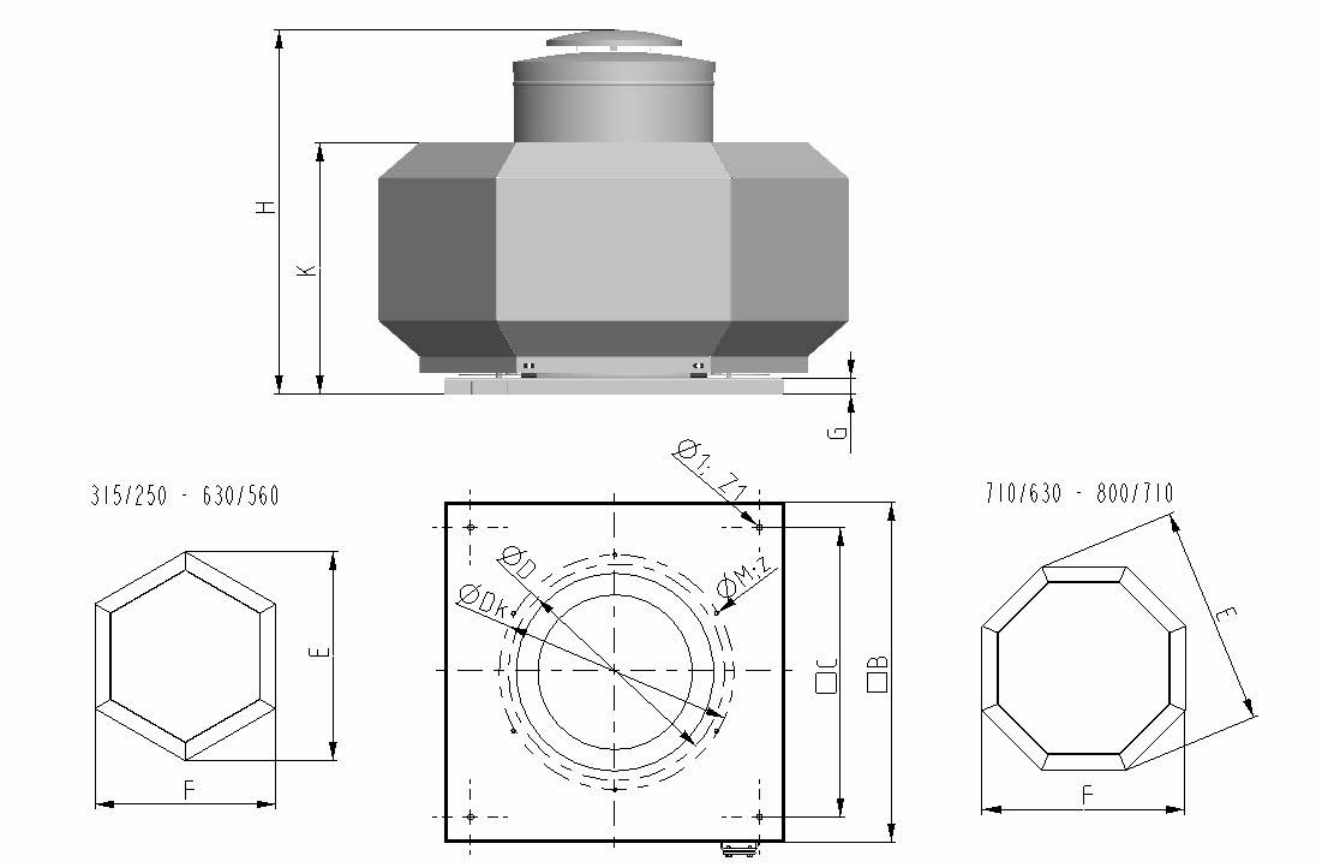
EX SVK2 560/500-4/6 II 2G c IIB T4

## Designation



# ROOF FANS TYPE EX SVK2

## Dimensions




| EX SVK2 | ØD | ØDk | □B | E | F | G | H | K | M | Z | □C | Ø1 | z1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **315/250** | 250 | 286 | 500 | 680 | 589 | 40 | 570 | 365 | M6 | 6 | 430 | Ø12 | 4 |
| **400/315** | 315 | 356 | 560 | 780 | 675 | 40 | 640 | 440 | M8 | 8 | 480 | Ø12 | 4 |
| **450/400** | 400 | 438 | 630 | 880 | 762 | 40 | 690 | 480 | M8 | 6 | 540 | Ø12 | 4 |
| **500/450** | 450 | 487 | 710 | 980 | 849 | 40 | 730 | 530 | M8 | 6 | 610 | Ø14 | 4 |
| **560/500** | 500 | 541 | 800 | 1100 | 953 | 40 | 780 | 570 | M8 | 6 | 700 | Ø14 | 4 |
| **630/560** | 560 | 605 | 900 | 1315 | 1140 | 40 | 960 | 785 | M10 | 8 | 780 | Ø14 | 4 |
| **710/630** | 630 | 674 | 1000 | 1407 | 1300 | 50 | 1060 | 845 | M10 | 8 | 880 | Ø18 | 4 |
| **800/710** | 710 | 751 | 1120 | 1612 | 1490 | 50 | 1190 | 950 | M10 | 8 | 1000 | Ø18 | 4 |

# ROOF FANS TYPE EX SVK2

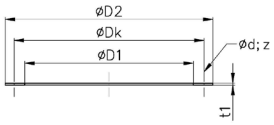
## Technical data

| Fan type EX SVK2 | El. motor 3x400 V, 50Hz; IP 55; PTC II 2G EEx de IIC T4 | | | | $q_{max}$ [$m^3/h$] | Weight [kg] | Number |
|---|---|---|---|---|---|---|---|
| | n [$min^{-1}$] | P [kW] | $I_n$ [A] | IEC Size | | | |
| **315/250-4** | 1355 | 0,25 | 0,75 | 71A | 2000 | 32 | 1 |
| **315/250-6** | 930 | 0,18 | 0,67 | 71A | 1350 | 32 | 2 |
| **315/250-4/6** | 1440 / 920 | 0,2 / 0,15 | 0,85 / 0,15 | 71A | 2000 / 1350 | 32 | 1 / 2 |
| **400/315-4** | 1410 | 0,55 | 1,38 | 80 A | 4000 | 42 | 3 |
| **400/315-6** | 925 | 0,37 | 1,17 | 80 A | 2800 | 42 | 4 |
| **400/315-4/6** | 1450 / 945 | 0,66 / 0,45 | 1,75 / 1,5 | 90 S | 4000 / 2800 | 42 | 3 / 4 |
| **450/400-4** | 1410 | 1,1 | 2,4 | 90 S | 6000 | 56 | 6 |
| **450/400-6** | 925 | 0,37 | 1,17 | 80 A | 3800 | 56 | 7 |
| **450/400-4/6** | 1425 / 960 | 0,9 / 0,6 | 2,1 / 1,8 | 90 L | 6000 / 3800 | 61 | 6 / 7 |
| **500/450-4** | 1405 | 1,5 | 3,25 | 90 L | 8000 | 68 | 9 |
| **500/450-6** | 915 | 0,55 | 1,5 | 80 B | 5200 | 75 | 10 |
| **500/450-4/6** | 1420 / 960 | 1,3 / 0,9 | 3,0 / 2,4 | 100 LA | 8000 / 5200 | 88 | 9 / 10 |
| **560/500-4** | 1400 | 3,0 | 6,4 | 100 LB | 11500 | 100 | 12 |
| **560/500-6** | 930 | 1,5 | 3,7 | 100 L | 7400 | 100 | 13 |
| **560/500-4/6** | 1450 / 970 | 2,4 / 1,5 | 5,05 / 3,55 | 112 M | 11500 / 7400 | 110 | 12 / 13 |
| **630/560-4** | 1435 | 5,5 | 10,9 | 132 S | 17000 | 155 | 15 |
| **630/560-6** | 960 | 2,2 | 5,0 | 112 M | 10500 | 155 | 16 |
| **630/560-4/6** | 1460 / 975 | 4,5 / 3,0 | 8,9 / 6,7 | 132 M | 17000 / 10500 | 170 | 15 / 16 |
| **710/630-4S** | 1445 | 7,5 | 14,3 | 132 M | 20500 | 270 | 18 |
| **710/630-6S** | 975 | 3,0 | 6,6 | 132 S | 13700 | 260 | 19 |
| **800/710-4** | 1460 | 15 | 29 | 160 L | 35000 | 420 | 23 |
| **800/710-6** | 955 | 5,5 | 11,8 | 132 M | 23000 | 370 | 24 |

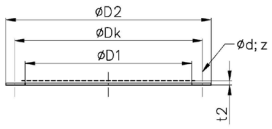
Motors with different RPM and electrical parameters are offered on customer's request.

# ACCESSORIES

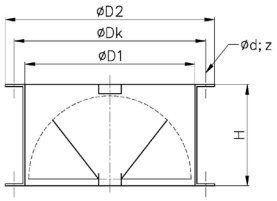
**Flange $D_1$**



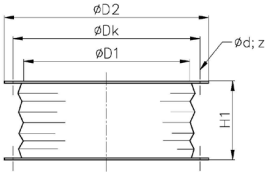

**Protective grid $D_1$**



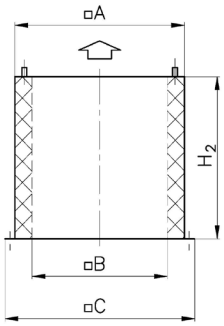

**SL $D_1$** Back draft shutter



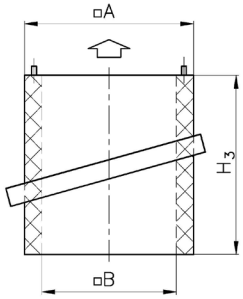

**EP $D_1$** Flexible (cloth) coupling



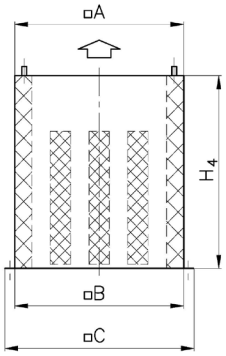

**PR $D_N/D_1$** Isolated upstand for horizontal roof



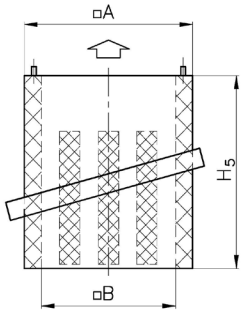

**PS $D_N/D_1$** Isolated upstand for inclined roof



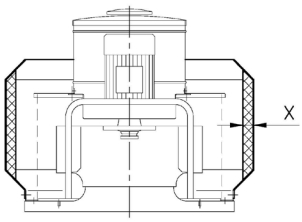

**PRG $D_N/D_1$** Upstand silencer for horizontal roof




**PSG $D_N/D_1$** Upstand silencer for inclined roof

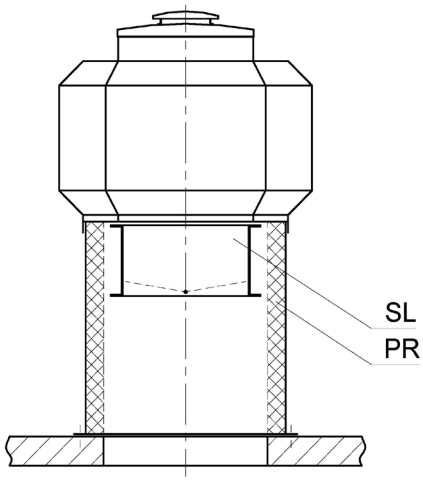


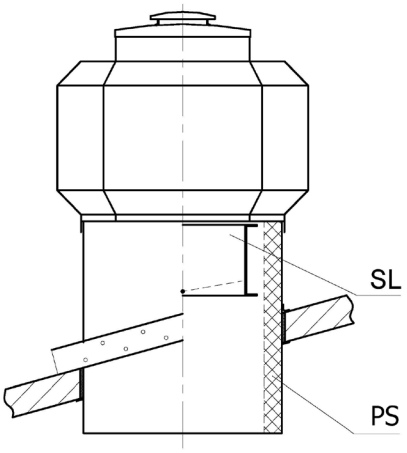

**IZO $D_N/D_1$** Sound insulated fan housing

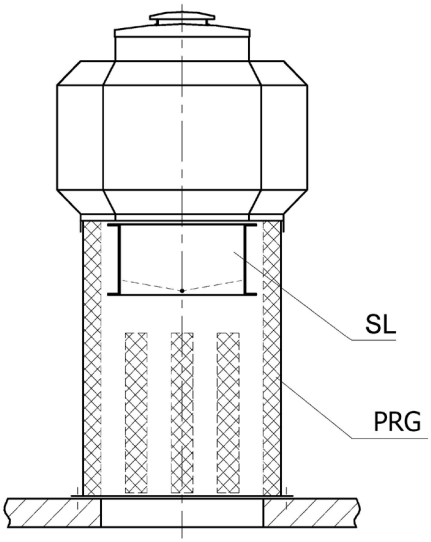


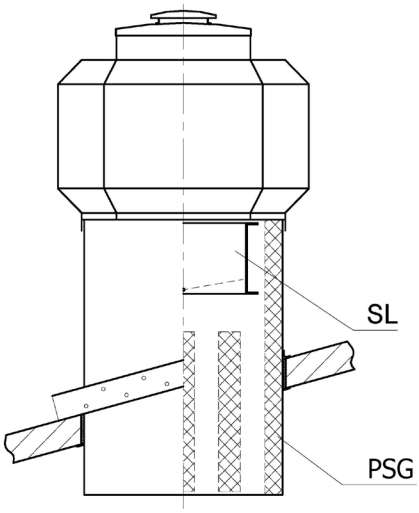

| Type $D_N/D_1$ | $ØD_1$ | $ØD_2$ | $ØD_k$ | Ød;z | H | $H_1$ | $t_1$ | $t_2$ | □A | □B | □C | $H_2$ | $H_3$ | $H_4$ | $H_5$ | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **250 / 200** | 200 | 255 | 235 | Ø8x6 | 150 | 120 | 5 | 8 | 388 | 280 | 485 | 400 | 650 | 650 | 650 | 20 |
| **315 / 250** | 250 | 306 | 286 | Ø8x6 | 150 | 120 | 5 | 8 | 488 | 380 | 585 | 400 | 700 | 700 | 700 | 20 |
| **400 / 315** | 315 | 382 | 356 | Ø10x8 | 180 | 120 | 6 | 9 | 548 | 440 | 645 | 400 | 750 | 750 | 750 | 20 |
| **450 / 400** | 400 | 464 | 438 | Ø10x6 | 220 | 120 | 6 | 9 | 614 | 505 | 720 | 400 | 800 | 800 | 800 | 20 |
| **500 / 450** | 450 | 513 | 487 | Ø10x6 | 250 | 120 | 6 | 9 | 694 | 585 | 800 | 400 | 850 | 850 | 850 | 20 |
| **560 / 500** | 500 | 567 | 541 | Ø10x6 | 280 | 150 | 6 | 9 | 780 | 670 | 900 | 400 | 900 | 900 | 900 | 20 |
| **630 / 560** | 560 | 639 | 605 | Ø12x8 | 310 | 150 | 6 | 9 | 880 | 770 | 996 | 400 | 950 | 950 | 950 | 20 |
| **710 / 630** | 630 | 708 | 674 | Ø12x8 | 350 | 150 | 6 | 9 | 980 | 870 | 1134 | 500 | 950 | 1250 | 1250 | 50 |
| **800 / 710** | 710 | 785 | 751 | Ø12x8 | 400 | 150 | 6 | 9 | 1100 | 990 | 1254 | 500 | 950 | 1300 | 1300 | 50 |
| **900 / 800** | 800 | 871 | 837 | Ø12x12 | 430 | 150 | 6 | 10 | 1230 | 1120 | 1384 | 500 | 950 | 1350 | 1350 | 50 |
| **1000 / 900** | 900 | 968 | 934 | Ø12x12 | 500 | 150 | 6 | 10 | 1380 | 1270 | 1534 | 500 | 950 | 1450 | 1450 | 50 |

# MOUNTING EXAMPLES




Roof fan is designed so, that it is ready for mounting without any connection accessories.

Following points have to be considered by mounting:

- Upstand has to be straight, suitable dimensions (see brochure) and stiff enough regarding the weight of the fan.
- Fan is mounted on the upstand with four nuts or bolts, which have to be suitably sealed.
- Upstand has to be correctly positioned and mounted on the roof or plate with suitable hydro-insulation, to prevent entry of water inside a building (not shown!).
- Temperature dilatation has to be considered, especially for accessories.

We reserve the right to changes without prior notice.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