



# SVE

LOW NOISE IN-LINE FANS

# SVE/PLUS

WITH 40 MM OF ACOUSTIC CASING

# SVE/EW

WITH BRUSHLESS E.C. ELECTRIC MOTORS



# SVE SVE/PLUS

**SVE: Low noise in-line duct fans mounted in an acoustic casing**  
**SVE/PLUS: Low noise in-line duct fans mounted in an acoustic casing with 40 mm of soundproofing acoustic insulation**



Hinged access door, except Models 100-125-150/L

**Fan:**

- Acoustic casing covered with sound absorbing material
- Multi-blade turbine in Models 100-125-150-200/H
- Impeller with backward-curved blades in Models 200/L-250-315-400
- Standard aspiration and impulsion joints to aid in duct installation
- With hinged access door, except Models 100-125-150/L
- Mounting brackets on the base make installation easier
- Linear air circulation

**Motor:**

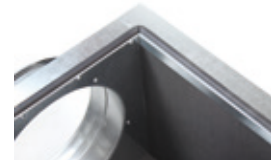
- Class F motors with external rotor, incorporated thermal protector, ball bearings and IP54 protection
- Single-phase 230V 50Hz adjustable
- Max. air temperature to transport: + 50°C

**Finish:**

- Anti-corrosive galvanised sheet steel

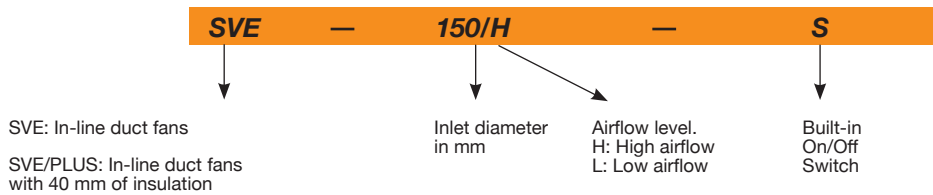


Order code S  
Built-in switch



40 mm of acoustic insulation  
Model SVE/PLUS

**Order Code**



**Technical characteristics**

| Model     | Speed (r/min) | Maximum admissible current 230V (A) | Maximum electrical capacity (kW) | Maximum Airflow (m³/h) | Irradiated sound level dB(A) | Approx. Weight (Kg) | Type of Impeller |
|-----------|---------------|-------------------------------------|----------------------------------|------------------------|------------------------------|---------------------|------------------|
| SVE-100/L | 1800          | 0.45                                | 0.1                              | 290                    | 42                           | 5.5                 | Forward          |
| SVE-125/H | 2230          | 0.75                                | 0.18                             | 370                    | 53                           | 6.0                 | Forward          |
| SVE-125/L | 1800          | 0.45                                | 0.10                             | 310                    | 43                           | 5.5                 | Forward          |
| SVE-150/H | 2250          | 1.00                                | 0.25                             | 490                    | 52                           | 7.0                 | Forward          |
| SVE-150/L | 1800          | 0.45                                | 0.10                             | 355                    | 52                           | 6.0                 | Forward          |
| SVE-160/H | 2250          | 1.00                                | 0.25                             | 490                    | 52                           | 7.0                 | Forward          |
| SVE-200/H | 1400          | 0.75                                | 0.12                             | 760                    | 42                           | 12.0                | Forward          |
| SVE-200/L | 2650          | 0.70                                | 0.18                             | 640                    | 53                           | 9.0                 | Backward         |
| SVE-250/H | 2400          | 0.75                                | 0.18                             | 1140                   | 61                           | 11.0                | Backward         |
| SVE-250/L | 2750          | 0.75                                | 0.17                             | 705                    | 53                           | 9.5                 | Backward         |
| SVE-315/H | 1400          | 0.65                                | 0.12                             | 1315                   | 46                           | 17.5                | Backward         |
| SVE-350/H | 1400          | 0.95                                | 0.14                             | 1555                   | 44                           | 21.5                | Backward         |
| SVE-400/H | 1350          | 1.80                                | 0.30                             | 2310                   | 46                           | 27.0                | Backward         |

## Technical characteristics

| Model          | Speed<br>(r/min) | Maximum admissible<br>current 230V<br>(A) | Maximum<br>electrical<br>capacity (kW) | Maximum<br>Airflow<br>(m³/h) | Irradiated<br>sound level<br>dB(A) | Approx.<br>Weight<br>(Kg) | Type of<br>Impeller |
|----------------|------------------|---|--|------------------------------|------------------------------------|---------------------------|---------------------|
| SVE/PLUS-100/L | 1800             | 0,45                                      | 0,1                                    | 290                          | 37                                 | 9,0                       | Forward             |
| SVE/PLUS-125/H | 2230             | 0,75                                      | 0,18                                   | 370                          | 48                                 | 9,5                       | Forward             |
| SVE/PLUS-125/L | 1800             | 0,45                                      | 0,10                                   | 310                          | 38                                 | 9,0                       | Forward             |
| SVE/PLUS-150/H | 2250             | 1,00                                      | 0,25                                   | 490                          | 45                                 | 12,0                      | Forward             |
| SVE/PLUS-150/L | 2230             | 0,75                                      | 0,18                                   | 355                          | 45                                 | 9,5                       | Forward             |
| SVE/PLUS-160/H | 2250             | 1,00                                      | 0,25                                   | 490                          | 45                                 | 12,0                      | Forward             |
| SVE/PLUS-160/L | 2230             | 0,75                                      | 0,18                                   | 355                          | 45                                 | 9,5                       | Forward             |
| SVE/PLUS-200/H | 1400             | 0,75                                      | 0,12                                   | 760                          | 36                                 | 16,5                      | Forward             |
| SVE/PLUS-200/L | 2650             | 0,70                                      | 0,18                                   | 640                          | 47                                 | 13,5                      | Backward            |
| SVE/PLUS-250/H | 2400             | 0,75                                      | 0,18                                   | 1140                         | 53                                 | 15,0                      | Backward            |
| SVE/PLUS-250/L | 2750             | 0,75                                      | 0,17                                   | 705                          | 45                                 | 14,0                      | Backward            |
| SVE/PLUS-315/H | 1400             | 0,65                                      | 0,12                                   | 1315                         | 37                                 | 23,0                      | Backward            |
| SVE/PLUS-350/H | 1400             | 0,95                                      | 0,14                                   | 1555                         | 34                                 | 29,5                      | Backward            |
| SVE/PLUS-400/H | 1350             | 1,80                                      | 0,30                                   | 2310                         | 37                                 | 33,0                      | Backward            |

## Acoustic Features

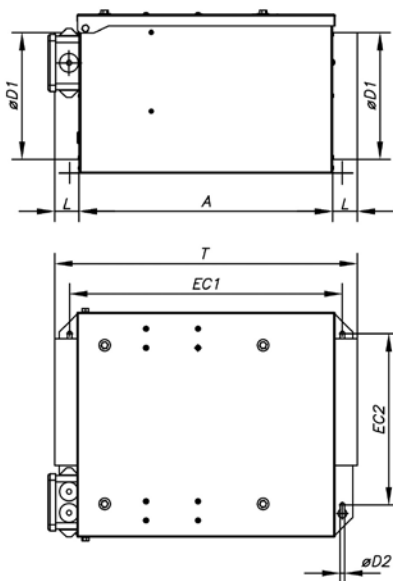
The specified values are determined according to free field measurements of sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

| Model     | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model          | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------|----|-----|-----|-----|------|------|------|------|----------------|----|-----|-----|-----|------|------|------|------|
| SVE-100/L | 35 | 43  | 48  | 47  | 46   | 47   | 43   | 37   | SVE/PLUS-100/L | 37 | 39  | 46  | 39  | 33   | 33   | 31   | 26   |
| SVE-125/H | 45 | 55  | 59  | 57  | 56   | 57   | 53   | 47   | SVE/PLUS-125/H | 47 | 51  | 57  | 49  | 43   | 43   | 41   | 36   |
| SVE-125/L | 35 | 45  | 49  | 47  | 46   | 47   | 43   | 37   | SVE/PLUS-125/L | 37 | 41  | 47  | 39  | 33   | 33   | 31   | 26   |
| SVE-150/H | 43 | 53  | 54  | 56  | 57   | 58   | 54   | 48   | SVE/PLUS-150/H | 45 | 49  | 52  | 48  | 44   | 44   | 42   | 37   |
| SVE-150/L | 43 | 53  | 54  | 56  | 57   | 58   | 54   | 48   | SVE/PLUS-150/L | 45 | 49  | 52  | 48  | 44   | 44   | 42   | 37   |
| SVE-160/H | 43 | 53  | 54  | 56  | 57   | 58   | 54   | 48   | SVE/PLUS-160/H | 45 | 49  | 52  | 48  | 44   | 44   | 42   | 37   |
| SVE-200/H | 29 | 40  | 47  | 48  | 48   | 46   | 43   | 34   | SVE/PLUS-160/L | 45 | 49  | 52  | 48  | 44   | 44   | 42   | 37   |
| SVE-200/L | 40 | 51  | 58  | 59  | 59   | 57   | 54   | 45   | SVE/PLUS-200/H | 31 | 36  | 45  | 40  | 35   | 32   | 31   | 23   |
| SVE-250/H | 47 | 57  | 62  | 68  | 67   | 66   | 63   | 55   | SVE/PLUS-200/L | 42 | 47  | 56  | 51  | 46   | 43   | 42   | 34   |
| SVE-250/L | 39 | 49  | 54  | 60  | 59   | 58   | 55   | 47   | SVE/PLUS-250/H | 49 | 53  | 60  | 60  | 54   | 52   | 51   | 44   |
| SVE-315/H | 30 | 40  | 45  | 52  | 53   | 51   | 48   | 39   | SVE/PLUS-250/L | 41 | 45  | 52  | 52  | 46   | 44   | 43   | 36   |
| SVE-350/H | 29 | 39  | 43  | 50  | 51   | 49   | 47   | 38   | SVE/PLUS-315/H | 32 | 36  | 43  | 44  | 40   | 37   | 36   | 28   |
| SVE-400/H | 32 | 42  | 46  | 53  | 54   | 52   | 50   | 41   | SVE/PLUS-350/H | 31 | 35  | 41  | 42  | 38   | 35   | 35   | 27   |
|           |    |     |     |     |      |      |      |      | SVE/PLUS-400/H | 34 | 38  | 44  | 45  | 41   | 38   | 38   | 30   |

## Dimensions in mm

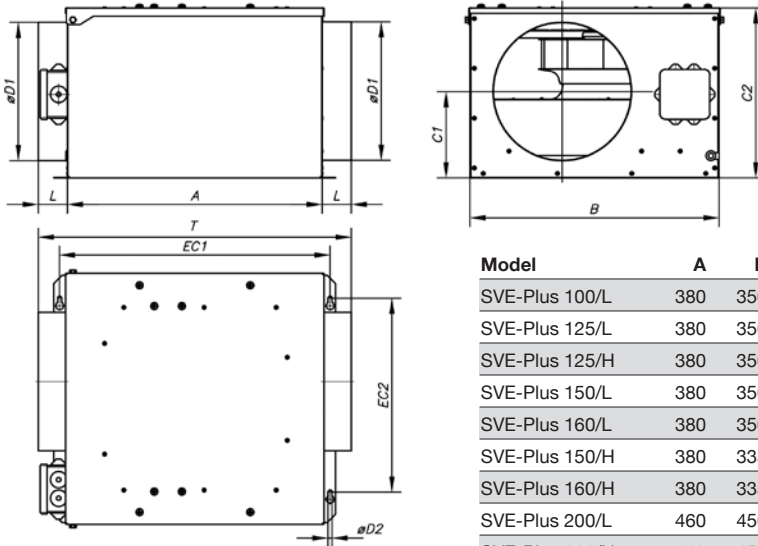
### SVE



| Model     | A   | B   | C1    | C2  | øD1 | L  | øD2 | EC1 | EC2 | T   |
|-----------|-----|-----|-------|-----|-----|----|-----|-----|-----|-----|
| SVE-100/L | 300 | 265 | 82,5  | 180 | 100 | 36 | 7   | 330 | 205 | 372 |
| SVE-125/L | 300 | 265 | 80,5  | 180 | 125 | 36 | 7   | 330 | 205 | 372 |
| SVE-125/H | 300 | 265 | 80,5  | 180 | 125 | 36 | 7   | 330 | 205 | 372 |
| SVE-150/L | 300 | 265 | 88,5  | 180 | 150 | 40 | 7   | 330 | 205 | 380 |
| SVE-150/H | 300 | 260 | 100   | 195 | 150 | 40 | 7   | 330 | 190 | 380 |
| SVE-160/H | 300 | 260 | 100   | 195 | 160 | 40 | 7   | 330 | 190 | 380 |
| SVE-200/L | 400 | 350 | 127   | 250 | 200 | 40 | 7   | 430 | 270 | 480 |
| SVE-200/H | 400 | 350 | 127   | 250 | 200 | 40 | 7   | 430 | 270 | 480 |
| SVE-250/L | 400 | 350 | 142   | 290 | 250 | 48 | 7   | 430 | 280 | 496 |
| SVE-250/H | 400 | 350 | 142   | 290 | 250 | 48 | 7   | 430 | 280 | 496 |
| SVE-315/H | 515 | 480 | 175   | 355 | 315 | 48 | 7   | 545 | 405 | 610 |
| SVE-350/H | 575 | 545 | 211,5 | 410 | 350 | 58 | 7   | 605 | 445 | 690 |
| SVE-400/H | 650 | 610 | 230   | 455 | 400 | 74 | 7   | 680 | 520 | 800 |

## Dimensions in mm

### SVE/PLUS

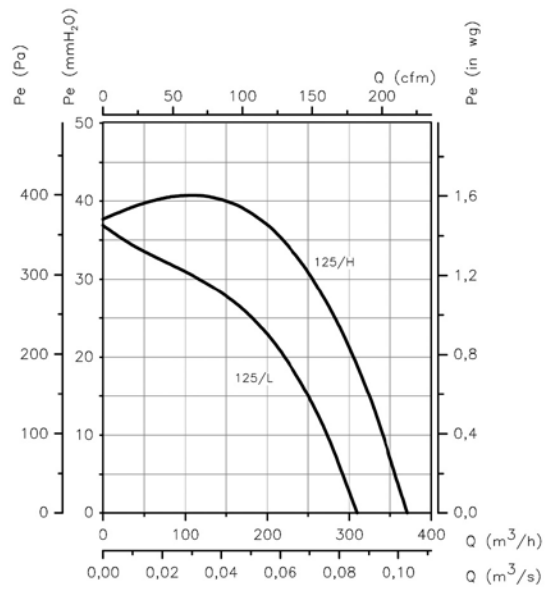
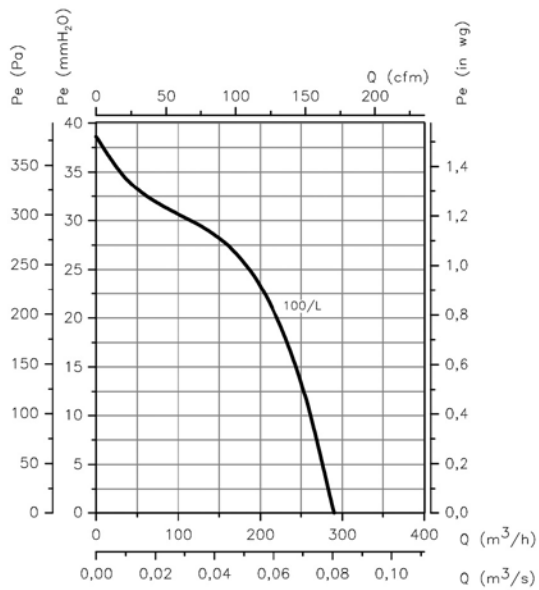


| Model          | A   | B   | C1    | C2  | øD1 | L    | øD2 | EC1 | EC2 | T   |
|----------------|-----|-----|-------|-----|-----|------|-----|-----|-----|-----|
| SVE-Plus 100/L | 380 | 350 | 100   | 230 | 100 | 35   | 7   | 410 | 290 | 450 |
| SVE-Plus 125/L | 380 | 350 | 100   | 230 | 125 | 35   | 7   | 410 | 290 | 450 |
| SVE-Plus 125/H | 380 | 350 | 100   | 230 | 125 | 35   | 7   | 410 | 290 | 450 |
| SVE-Plus 150/L | 380 | 350 | 110   | 230 | 150 | 35   | 7   | 410 | 290 | 450 |
| SVE-Plus 160/L | 380 | 350 | 110   | 230 | 160 | 35   | 7   | 410 | 290 | 450 |
| SVE-Plus 150/H | 380 | 335 | 165   | 265 | 150 | 37,5 | 7   | 405 | 265 | 455 |
| SVE-Plus 160/H | 380 | 335 | 165   | 265 | 160 | 37,5 | 7   | 405 | 265 | 455 |
| SVE-Plus 200/L | 460 | 450 | 162   | 285 | 200 | 37,5 | 7   | 490 | 380 | 535 |
| SVE-Plus 200/H | 460 | 450 | 162   | 285 | 200 | 37,5 | 7   | 490 | 380 | 535 |
| SVE-Plus 250/L | 460 | 450 | 156   | 310 | 250 | 52,5 | 7   | 490 | 380 | 565 |
| SVE-Plus 250/H | 460 | 450 | 156   | 310 | 250 | 52,5 | 7   | 490 | 380 | 565 |
| SVE-Plus 315/H | 565 | 540 | 210   | 390 | 315 | 57,5 | 9   | 595 | 440 | 680 |
| SVE-Plus 350/H | 650 | 600 | 233,5 | 435 | 350 | 57,5 | 9   | 680 | 525 | 765 |
| SVE-Plus 400/H | 650 | 680 | 263,5 | 650 | 400 | 77,5 | 9   | 680 | 600 | 805 |

## Characteristic Curves

Q= Airflow in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

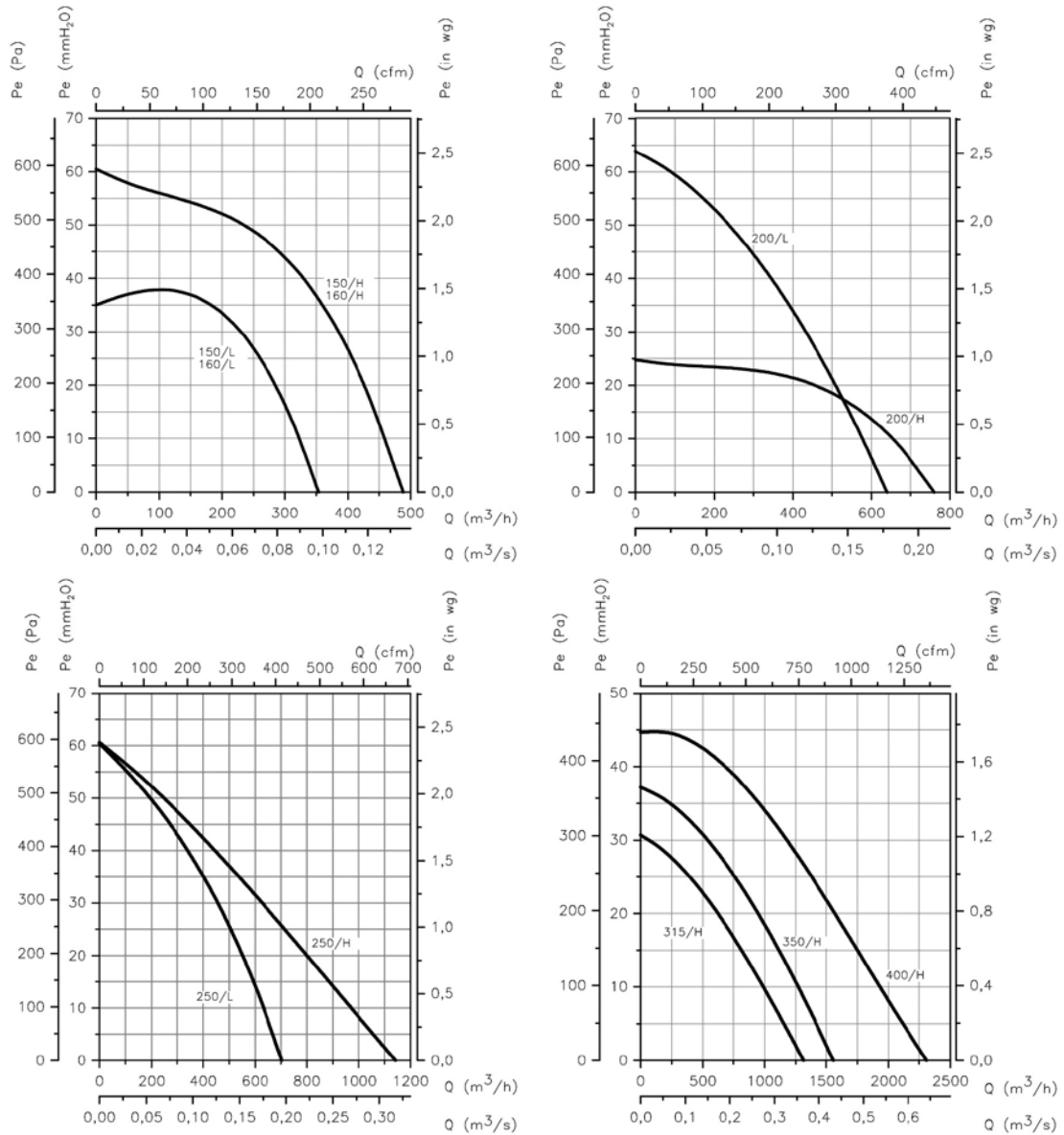
Pe= Static pressure in mm.WC Pa and in w.g.



## Characteristic Curves

Q= Airflow in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm.WC Pa and in w.g.



## Accessories

See accessories section.



# SVE/EW

**BRUSHLESS** INDUSTRIAL BRUSHLESS WITH BUILT-IN VSD

**Low noise in-line duct fans mounted in an acoustic casing with 50 mm insulation, fitted with an E.C. motor**



**CONTROL**  
Supplied as an optional accessory

**Fan:**

- Acoustic casing covered with sound absorbing material.
- Backward-curved impeller for all models
- Standard aspiration and impulsion joints to aid in duct installation.
- They are supplied with 4 base stands to aid installation
- Linear air circulation

**Motor:**

- Single-phase 230 V. 50/60 Hz.
- Max. air temperature to transport: + 50 °C.
- Highly-efficient brushless E.C. motor, electronically controlled by means of a potentiometer of 10 K $\Omega$  MTP010, or an external 0-10V signal

**Finish:**

- Anti-corrosive finish in polyester resin polymerised at 190°C, after alkaline degreasing using phosphate-free nanotechnology treatment.

**Order Code**

**SVE/EW — 150/H**

SVE/EW: In-line duct fans with E.C. motors and a built-in variable speed drive controlled using an 0-10 V signal.

Inlet diameter in mm

**Technical characteristics**

| Model        | Speed (r/min) | Maximum admissible current (A) | Installed power (kW) | Maximum Airflow (m <sup>3</sup> /h) | Sound pressure level to 50% of maximum speed dB(A) | Approx. Weight (Kg) |
|--------------|---------------|--------------------------------|----------------------|-------------------------------------|--|---------------------|
| SVE/EW-125/H | 4480          | 0.46                           | 0.055                | 367                                 | 29   | 12                  |
| SVE/EW-160/H | 3490          | 0.99                           | 0.114                | 565                                 | 28   | 19                  |
| SVE/EW-200/H | 3380          | 1.48                           | 0.192                | 914                                 | 39   | 24                  |
| SVE/EW-250/H | 3220          | 1.69                           | 0.213                | 1107                                | 32   | 24                  |
| SVE/EW-315/H | 3580          | 2.8                            | 0.448                | 1638                                | 49   | 31                  |

\* Sound pressure level dB(A) are measurements at a distance of 1.5 meters

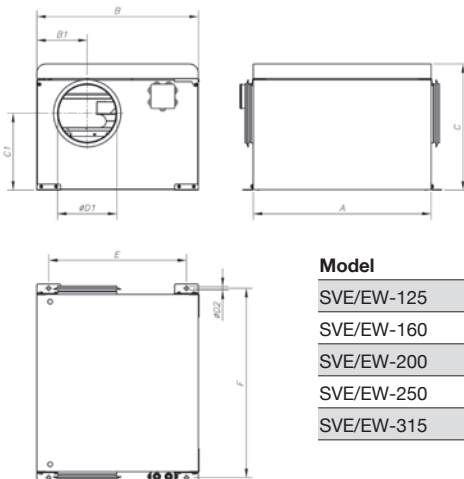
**Acoustic features at maximum speed**

The specified values are determined according to free field measurements of sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

| Model        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|--------------|----|-----|-----|-----|------|------|------|------|--------------|----|-----|-----|-----|------|------|------|------|
| SVE/EW-125/H | 31 | 41  | 54  | 56  | 45   | 45   | 40   | 44   | SVE/EW-250/H | 48 | 57  | 70  | 64  | 66   | 59   | 53   | 52   |
| SVE/EW-160/H | 39 | 49  | 63  | 60  | 49   | 51   | 48   | 46   | SVE/EW-315/H | 50 | 59  | 73  | 67  | 68   | 65   | 58   | 55   |
| SVE/EW-200/H | 42 | 52  | 66  | 60  | 56   | 54   | 51   | 52   |              |    |     |     |     |      |      |      |      |

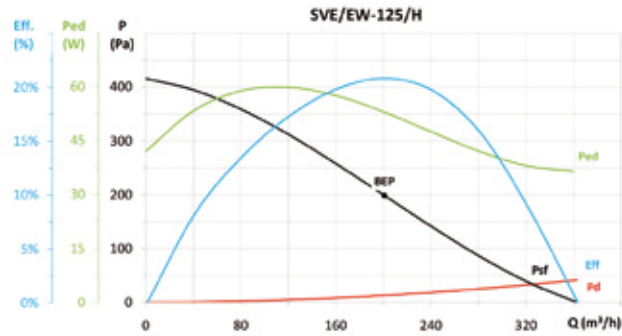
**Dimensions in mm**



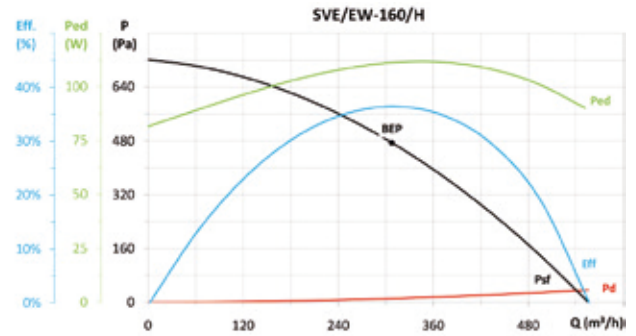
| Model      | A   | B   | B1    | C   | C1    | øD1 | øD2  | E   | F   |
|------------|-----|-----|-------|-----|-------|-----|------|-----|-----|
| SVE/EW-125 | 400 | 410 | 205   | 325 | 165.5 | 125 | 12.5 | 330 | 440 |
| SVE/EW-160 | 550 | 485 | 149   | 340 | 194.5 | 160 | 12.5 | 405 | 590 |
| SVE/EW-200 | 600 | 545 | 170   | 425 | 259.5 | 200 | 12.5 | 465 | 640 |
| SVE/EW-250 | 600 | 545 | 194   | 425 | 234.5 | 250 | 12.5 | 465 | 640 |
| SVE/EW-315 | 675 | 595 | 227.5 | 475 | 251.5 | 315 | 12.5 | 515 | 715 |



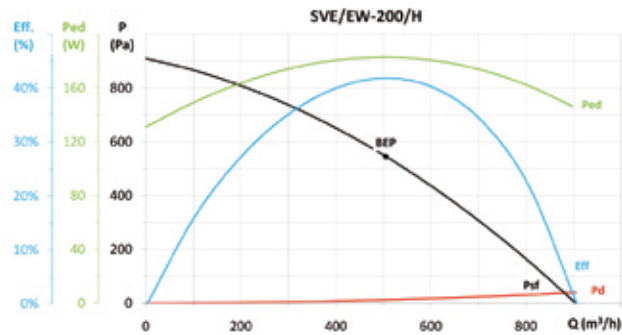
## ErP. Characteristic curves and ErP data



| MC | EC | SR | Cc | $\eta_a$ (%)* | N | [kW]  | [m³/h] | [Pa] | [rpm] | VSD        |
|----|----|----|----|---------------|---|-------|--------|------|-------|------------|
| A  | S  | -  | -  | -             | - | 0,053 | 201    | 198  | 4480  | INTEGRATED |

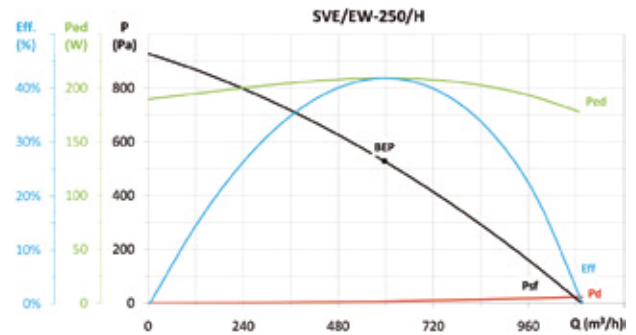


| MC | EC | SR | Cc | $\eta_a$ (%)* | N | [kW]  | [m³/h] | [Pa] | [rpm] | VSD        |
|----|----|----|----|---------------|---|-------|--------|------|-------|------------|
| A  | S  | -  | -  | -             | - | 0,111 | 308    | 474  | 3490  | INTEGRATED |



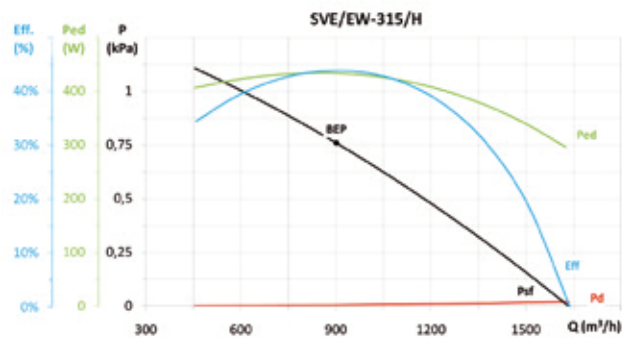
| MC | EC | SR   | Cc   | $\eta_a$ (%)* | N    | [kW]  | [m³/h] | [Pa] | [rpm] | VSD        |
|----|----|------|------|---------------|------|-------|--------|------|-------|------------|
| A  | S  | 1,01 | 1,14 | 47,7%         | 65,9 | 0,183 | 505    | 546  | 3380  | INTEGRATED |

\* $\eta_e$  (%) = Eff. (%) x Cc



| MC | EC | SR   | Cc   | $\eta_a$ (%)* | N    | [kW]  | [m³/h] | [Pa] | [rpm] | VSD        |
|----|----|------|------|---------------|------|-------|--------|------|-------|------------|
| A  | S  | 1,01 | 1,13 | 47,5%         | 65,1 | 0,209 | 597    | 528  | 3220  | INTEGRATED |

\* $\eta_e$  (%) = Eff. (%) x Cc



| MC | EC | SR   | Cc   | $\eta_a$ (%)* | N    | [kW]  | [m³/h] | [Pa] | [rpm] | VSD        |
|----|----|------|------|---------------|------|-------|--------|------|-------|------------|
| A  | S  | 1,01 | 1,11 | 48,8%         | 63,1 | 0,433 | 901    | 759  | 3580  | INTEGRATED |

\* $\eta_e$  (%) = Eff. (%) x Cc

## Accessories

See accessories section.



Input and output kits



Rectangular grilles



Protection grilles



Circular grilles



Electric batteries



Butterfly valves



Outlets



Capture openings



Inlet/Outlet



Backdraught shutters



Accessories



Air filter boxes



CONTROL UNITS AND SENSORS



Air intakes for houses



Output openings for houses



Silencer

EFFICIENT WORK FANS



# SOLution DEvelopment CAPacity

Fast and flexible industrial fan solutions and tailored fans  
Large experience in smoke control systems and ATEX applications  
Wide range of certified products for specific markets

AXIAL  
AND  
ROOF FANS



CENTRIFUGAL  
FANS AND IN-LINE EXTRACTORS



FANS FOR  
SMOKE  
EXTRACTION



ATEX FANS FOR EXPLOSIVE  
ATMOSPHERES AND OTHER  
APPLICATIONS



HEAT RECOVERY  
SYSTEMS AND  
FILTRATION UNITS



AIR CURTAINS FOR  
COMMERCIAL AND  
INDUSTRIAL APPLICATIONS



VENTILATION SYSTEMS  
FOR  
HOUSES



## REQUEST FURTHER INFORMATION

[www.sodeca.com](http://www.sodeca.com)



Distributed by:



## SODECA Group

**SODECA. HEADQUARTERS**  
Ctra. de Berga, km 0,7  
E-08580 SANT QUIRZE  
DE BESORA  
Barcelona - SPAIN  
Tel. +34 93 852 91 11  
Fax +34 93 852 90 42  
ventilation@sodeca.com

**PORTUGAL**  
**Sodeca Portugal Lda**  
Luiz Araújo  
Rua Veloso Salgado 1120/1138  
4450-801 Leça de Palmeira,  
Oporto, PORTUGAL  
Tel. +351 229 991 100  
Fax. +351 229 991 119  
geral@decflex.com

**PORTUGAL**  
**Sodeca Portugal Lda**  
Luiz Araújo  
P. E. da Granja - Pavilhão 8  
2625-607 Vialonga,  
Lisboa, PORTUGAL  
Tel. +351 219 748 491  
Fax. +351 219 748 493  
filial@decflex.com

**FINLAND**  
**Sodeca Finland Oy**  
Mr. Kai Yli-Sipila  
Metsälinnankatu 30, PL2,  
FI-32700 Huitinen,  
FINLAND  
Tel. +358 400 320 125  
orders.finland@sodeca.com

**CHILE**  
**Sodeca Ventiladores Ltda**  
Sr. Francesc Bertran  
Avda. Puerta Sur  
03380 San Bernardo,  
Santiago, CHILE  
Tel. +56 22 840 5582  
ventas.chile@sodeca.com

**ÁREA CARIBE**  
Residencial Miramar  
Apto. Nº 108  
Ave. 7ma Nº 1805 entre 18 y 20  
Miramar Playa,  
Ciudad de la Habana, CUBA  
Tel. 00537 20 43721  
sodeca@sodeca.co.cu