

# VVKR-B-S

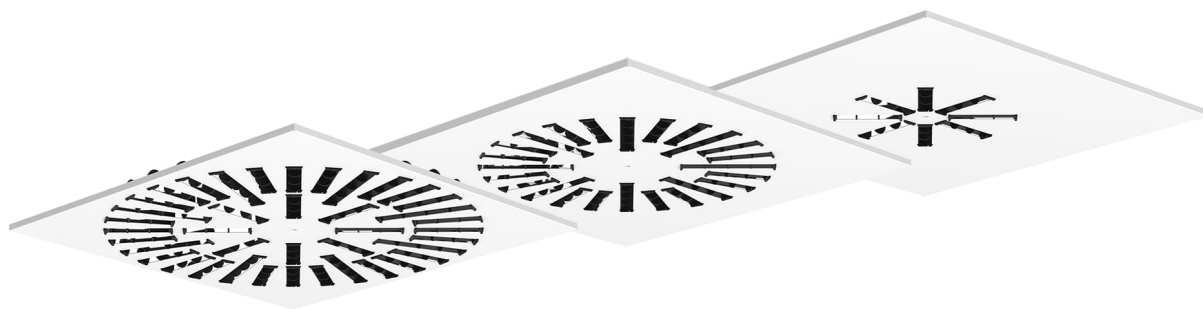
Diffusore ad effetto elicoidale a geometria regolabile

Manuale tecnico



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## Descrizione

VVKR-B-S è un diffusore ad effetto elicoidale ad alta induzione con deflettori regolabili manualmente. È idoneo per l'utilizzo sia in mandata che in ripresa. Adatto per l'installazione fino a 4 m di altezza.

Particolarmente indicato per installazione in uffici, open space, sale riunioni.

### Caratteristiche

- Estetica essenziale e facile integrazione in controsoffitti
- Idoneo per l'estrazione dell'aria con o senza deflettori
- Alta induzione anche con ridotti volumi d'aria
- Funzionamento estivo ed invernale con  $\Delta T$  variabili da -10K a +10K

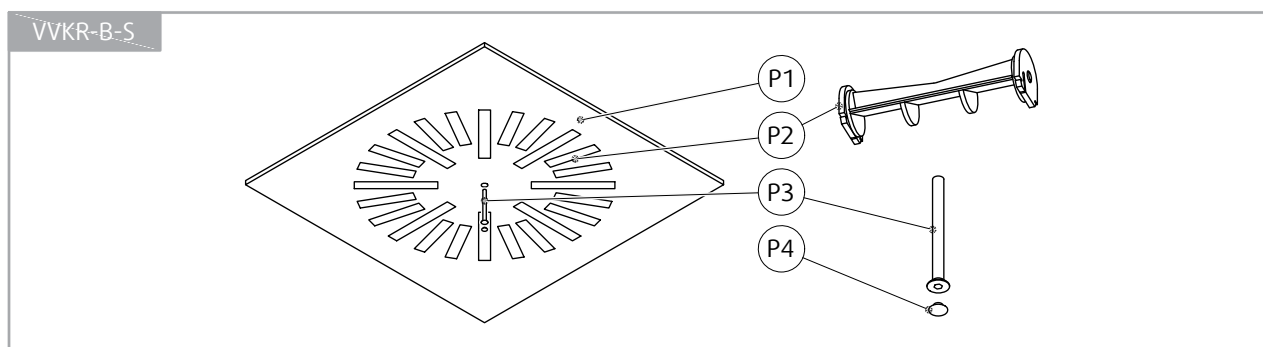
### Accessorio

- PB-VVK-S: Plenum

## Design

Il diffusore è costituito da una piastra frontale quadrata in acciaio zincato verniciato a polvere. I deflettori sono in plastica, disponibili nei colori nero o bianco. L'installazione avviene tramite vite centrale sul pannello frontale, la vite è dotata di coprivite bianco.

## Parti del prodotto



### Legenda

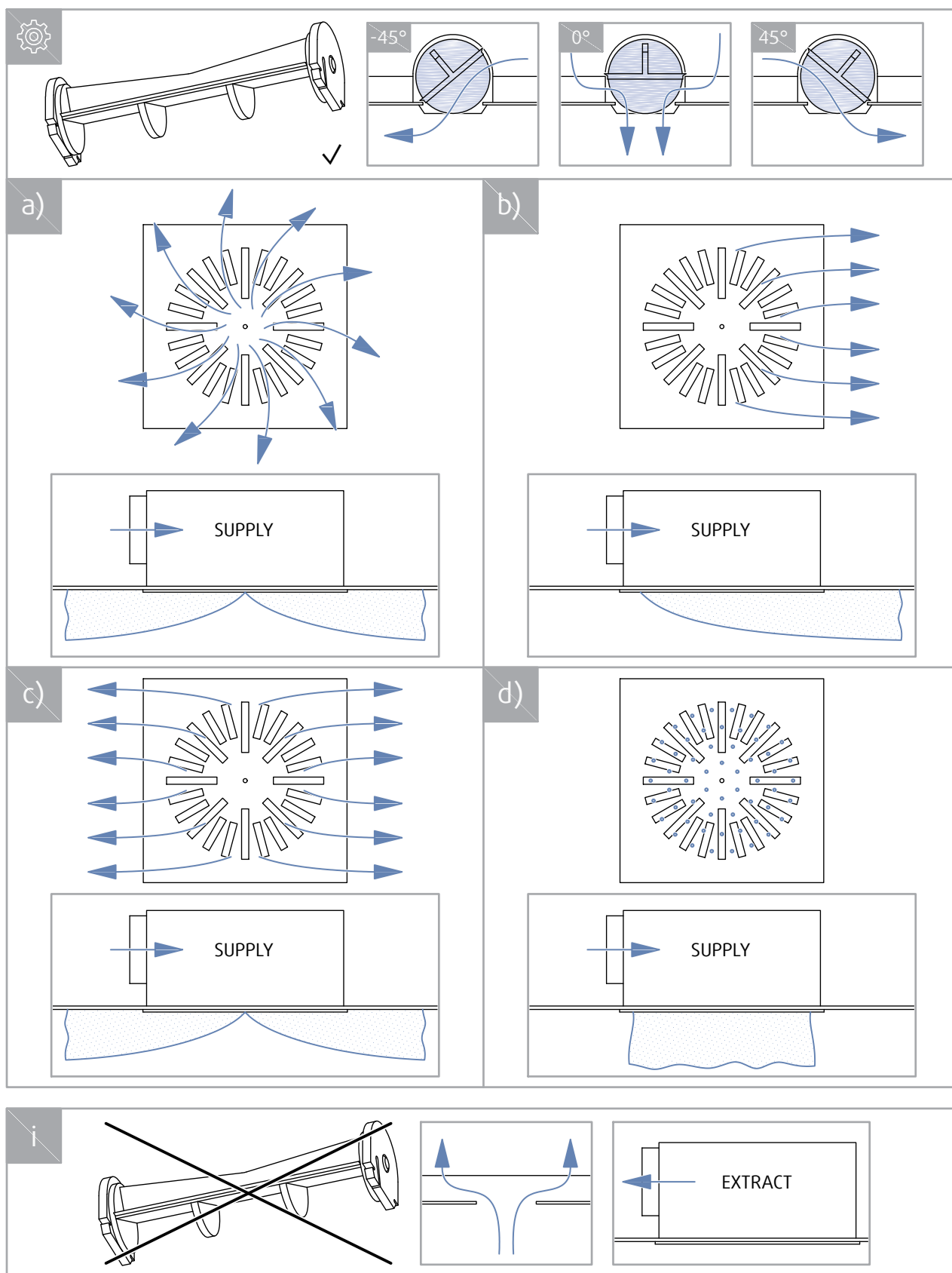
**P1** Piastra diffusore

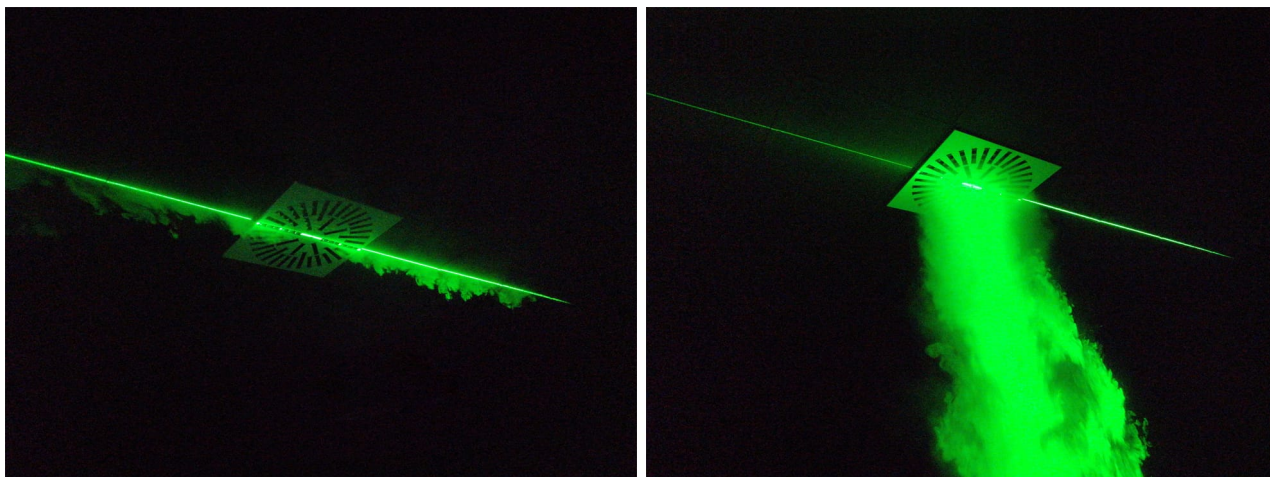
**P2** Deflettore

**P3** Vite M6×70 mm, DIN 7991

**P4** Coprivite

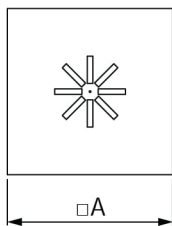
## Configurazioni



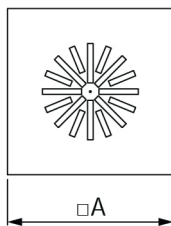


Visualizzazione del flusso d'aria con lancio orizzontale e verticale

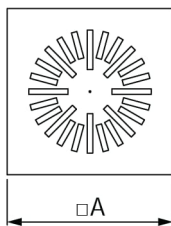
# Dimensioni



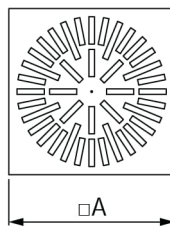
VVKR-B-S-...-8



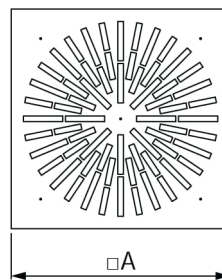
VVKR-B-S-...-16



VVKR-B-S-...-24



VVKR-B-S-...-40



VVKR-B-S-...-64

| □A  | □A <sub>1</sub> | 8 × | 16 × | 24 × | 40 × | 64 × |
|-----|-----------------|-----|------|------|------|------|
|     | mm              | kg  |      |      |      |      |
| 300 | 298             | 0,7 | -    | -    | -    | -    |
| 400 | 398             | 1,2 | 1,1  | -    | -    | -    |
| 500 | 498             | 1,9 | 1,8  | 1,7  | -    | -    |
| 600 | 598             | 2,6 | 2,6  | 2,5  | 2,5  | -    |
| 625 | 623             | 2,8 | 2,8  | 2,8  | 2,7  | -    |
| 800 | 798             | -   | -    | -    | -    | 4,5  |
| 825 | 823             | -   | -    | -    | -    | 4,7  |

| □A ×                              | A <sub>v</sub> |         |
|-----------------------------------|----------------|---------|
|                                   |                |         |
|                                   | m <sup>2</sup> |         |
| 300×8, 400×8, 500×8, 600×8, 625×8 | 0,00814        | 0,01714 |
| 400×16, 500×16, 600×16, 625×16    | 0,02044        | 0,04188 |
| 500×24, 600×24, 625×24            | 0,02858        | 0,05902 |
| 600×40, 625×40                    | 0,04487        | 0,09329 |
| 800×64, 825×64                    | 0,07761        | 0,15992 |

| □A  |  |     |     |     |     |  |     |     |     |  |     |     |  |     |  |     |
|-----|-------------------------------------------------------------------------------------|-----|-----|-----|-----|-------------------------------------------------------------------------------------|-----|-----|-----|-------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----|
|     | PB-VVK-S                                                                            |     |     |     |     |                                                                                     |     |     |     |                                                                                     |     |     |                                                                                     |     |                                                                                     |     |
|     | 300                                                                                 | 400 | 500 | 600 | 625 | 400                                                                                 | 500 | 600 | 625 | 500                                                                                 | 600 | 625 | 600                                                                                 | 625 | 800                                                                                 | 825 |
| 300 | •                                                                                   |     |     |     |     |                                                                                     |     |     |     |                                                                                     |     |     |                                                                                     |     |                                                                                     |     |
| 400 | •                                                                                   | •   |     |     |     | •                                                                                   |     |     |     |                                                                                     |     |     |                                                                                     |     |                                                                                     |     |
| 500 | •                                                                                   | •   | •   |     |     | •                                                                                   | •   |     |     | •                                                                                   |     |     |                                                                                     |     |                                                                                     |     |
| 600 | •                                                                                   | •   | •   | •   |     | •                                                                                   | •   | •   |     | •                                                                                   | •   |     | •                                                                                   |     |                                                                                     |     |
| 625 | •                                                                                   | •   | •   | •   | •   | •                                                                                   | •   | •   | •   | •                                                                                   | •   | •   | •                                                                                   | •   |                                                                                     |     |
| 800 |                                                                                     |     |     |     |     |                                                                                     |     |     |     |                                                                                     |     |     |                                                                                     |     | •                                                                                   |     |
| 825 |                                                                                     |     |     |     |     |                                                                                     |     |     |     |                                                                                     |     |     |                                                                                     |     | •                                                                                   | •   |

# Codice di ordinazione

## Taglia A x A

300

400

500

600

625

800

825

## Numero di deflettori

8

16

24

40

64

## Colore dei deflettori

**B** Nero

**SW** Bianco signal

**R** Senza deflettori

## Finitura

**SW** Bianco signal (RAL9003, gloss 30%)

**RALXXXX** Altre colorazioni RAL

## Esempio codice d'ordine

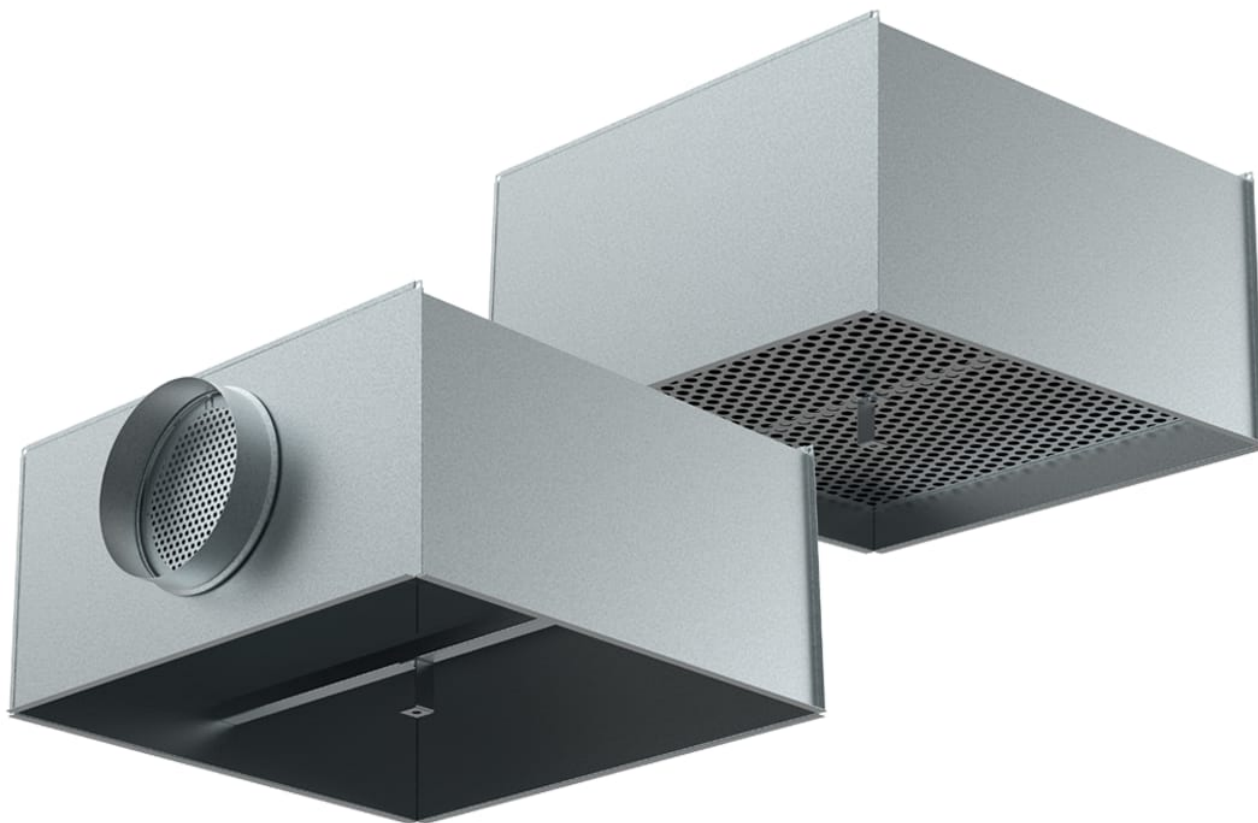
**VVKR-B-S-300-8-W-SW**

Diffusore ad effetto elicoidale a geometria variabile, dimensione nominale 300 mm con 8 deflettori. Deflettori e piastra colore bianco signal (SW).

# Accessori

## PB-VVK-S

Plenum



### Descrizione

PB-VVK-S è un plenum quadrato con imbocco laterale o superiore e isolamento interno o esterno.

### Design

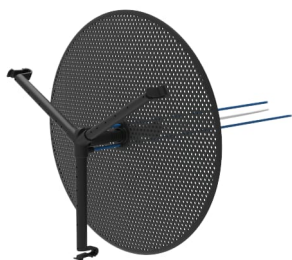
Il plenum è realizzato in lamiera di acciaio zincato.

2 tipi di imbocco possibili:

- D1: imbocco standard con serranda
- D2: imbocco a tenuta con serranda Zeus

Il prodotto può essere equipaggiato con isolamento interno di spessore 15 mm e/o isolamento esterno di spessore 6 mm.

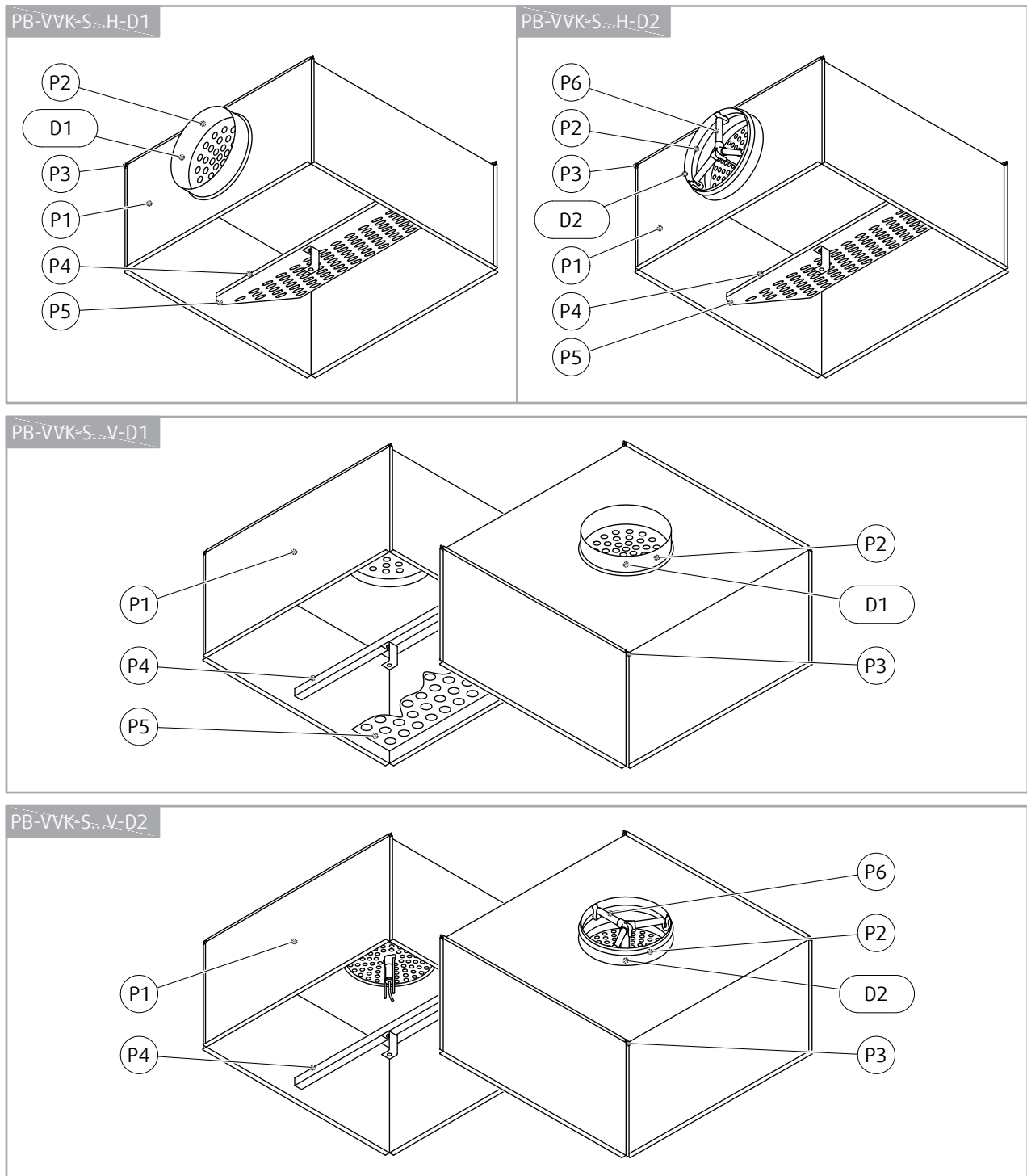
### Serranda Zeus



Zeus è una serranda di regolazione per plenum PB-VVK-S...D2, con tubi a impulso per misurare la pressione differenziale utilizzando un dispositivo di misurazione portatile. Può essere regolata manualmente.

NOTA: la serranda Zeus non è disponibile per PB-VVK-S con imbocco laterale.

## Componenti



## Legenda

**P1** Cassa (può essere equipaggiata con isolamento interno/esterno)

**P2** Imbocco

**D1** Imbocco standard con serranda

**D2** Imbocco a tenuta con serranda Zeus

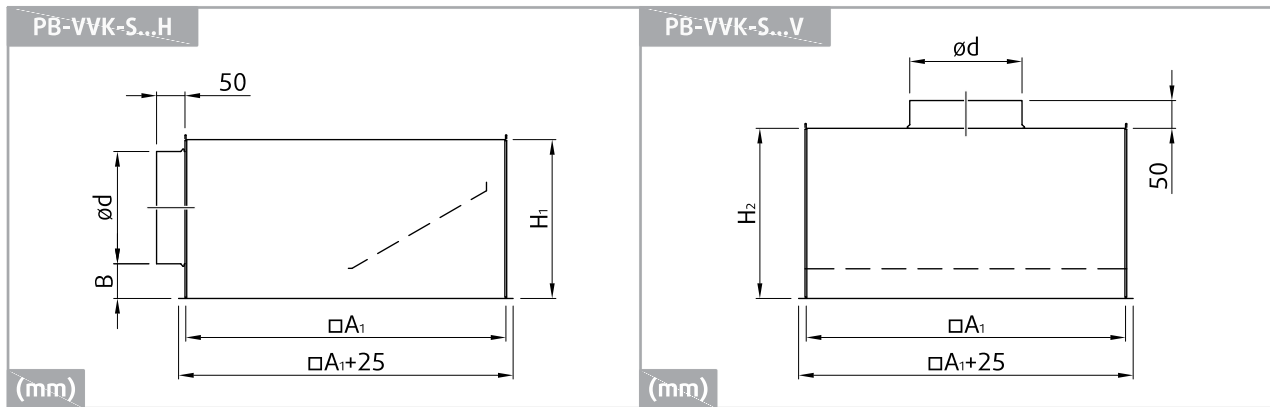
**P3** Staffa pieghevole

**P4** Ponte di montaggio

**P5** Rete equalizzatrice

**P6** Serranda Zeus

## Dimensioni



| PB-VVK-S- | □A <sub>1</sub> | H <sub>1</sub> | H <sub>2</sub> | ød  | B  | m            |              |
|-----------|-----------------|----------------|----------------|-----|----|--------------|--------------|
|           |                 | PB-VVK-S...H   | PB-VVK-S...V   |     |    | PB-VVK-S...H | PB-VVK-S...V |
|           | mm              |                |                |     |    | kg           |              |
| 300-160   | 274             | 240            | 200            | 158 | 62 | 2,58         | 2,39         |
| 400-160   | 366             | 240            | 200            | 158 |    | 3,62         | 3,43         |
| 400-200   | 366             | 280            | 200            | 198 |    | 3,98         | 3,65         |
| 500-200   | 466             | 280            | 200            | 198 |    | 5,27         | 4,74         |
| 600-200   | 566             | 280            | 300            | 198 |    | 6,71         | 7,19         |
| 600-250   | 566             | 330            | 300            | 248 |    | 7,42         | 7,31         |
| 625-200   | 582             | 280            | 300            | 198 |    | 7,11         | 7,63         |
| 625-250   | 582             | 330            | 300            | 248 |    | 7,81         | 7,73         |
| 800-315   | 740             | 400            | 300            | 313 | 67 | 13,63        | 12,03        |
| 825-315   | 774             | 400            | 300            | 313 |    | 14,22        | 12,61        |

### Come ordinare

#### Dimensioni DN

300-160

400-160

400-200

500-200

600-200

600-250

625-200

625-250

800-315

825-315

#### Rete equalizzatrice

**S** Mandata con rete equalizzatrice

**E** Ripresa senza rete equalizzatrice

#### Imbocco

**H** Laterale

**V** Superiore

#### Serranda

**D1** Imbocco standard con serranda <sup>1</sup>

**D2** Imbocco a tenuta con serranda tipo Zeus <sup>1</sup>

#### Isolamento

**I2** Isolamento interno <sup>2</sup>

**J** Isolamento esterno <sup>2</sup>

#### NOTE:

<sup>1</sup> Se in fase d'ordine non è specificato il tipo di imbocco, verrà fornito il tipo D1 come standard. La serranda Zeus non è disponibile per plenum PB-VVK-S con imbocco laterale. I plenum con imbocco verticale D2 sono forniti senza rete equalizzatrice.

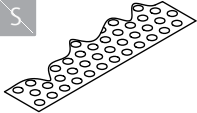
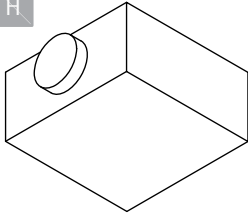
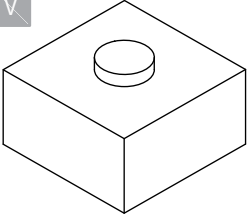
<sup>2</sup> L'isolamento interno ed esterno può essere applicato insieme. Se in fase d'ordine non è specificato il tipo di isolamento, il plenum verrà fornito senza isolamento.

#### Esempio codice d'ordine

**PB-VVK-S-300-160-E-H-D1-I2**

Plenum quadrato con dimensione nominale 300 mm, imbocco con diametro 160 mm, senza rete equalizzatrice, imbocco laterale standard con serranda tipo D1, isolamento interno.

Diagramma di selezione plenum

| PB-VVK-S                                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <div>S</div>  | H                                                                                 | V                                                                                 |                                                                                   |                                                                                   |
|                                                                                                |  |  |                                                                                   |                                                                                   |
|                                                                                                | D1                                                                                | D2                                                                                | D1                                                                                | D2                                                                                |
| I2                                                                                             |  |  |  |  |
| J                                                                                              | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 |

# Selezione rapida

Portata aria  $q_v$  per livello di potenza sonora ponderata-A  $L_{WA}$

| Item                                                                                                                        | 25 dB(A) |     | 30 dB(A) |     | 35 dB(A) |     |
|-----------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-----|----------|-----|
|                                                                                                                             | m³/h     | l/s | m³/h     | l/s | m³/h     | l/s |
| VVKR-B-S-300-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-300-160-S-H-D1                           | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1                                                                              | 305      | 85  | 368      | 102 | 442      | 123 |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1                                                                              | 305      | 85  | 368      | 102 | 442      | 123 |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1                                                                              | 305      | 85  | 368      | 102 | 442      | 123 |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |

[illegible]

| Item                                                                                                                                                                                                                                                                                    | 25 dB(A) |     | 30 dB(A) |     | 35 dB(A) |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-----|----------|-----|
|                                                                                                                                                                                                                                                                                         | m³/h     | l/s | m³/h     | l/s | m³/h     | l/s |
| VVKR-B-S-600-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1                                                                                                        | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-600-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1                                                                                                                                                            | 305      | 85  | 368      | 102 | 442      | 123 |
| VVKR-B-S-600-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1                                                                                                                                                                                      | 473      | 131 | 560      | 156 | 658      | 183 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 305      | 85  | 368      | 102 | 442      | 123 |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 473      | 131 | 560      | 156 | 658      | 183 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 305      | 85  | 368      | 102 | 442      | 123 |

| Item                                                                                                                                                                                                                                                                                    | 25 dB(A) |     | 30 dB(A) |     | 35 dB(A) |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-----|----------|-----|
|                                                                                                                                                                                                                                                                                         | m³/h     | l/s | m³/h     | l/s | m³/h     | l/s |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 473      | 131 | 560      | 156 | 658      | 183 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 305      | 85  | 368      | 102 | 442      | 123 |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 473      | 131 | 560      | 156 | 658      | 183 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 144      | 40  | 173      | 48  | 209      | 58  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 254      | 70  | 302      | 84  | 358      | 100 |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 305      | 85  | 368      | 102 | 442      | 123 |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 473      | 131 | 560      | 156 | 658      | 183 |
| VVKR-B-S-800-64-B-SW + PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1                                                                                                                                                                                      | 657      | 183 | 759      | 211 | 872      | 242 |

| Item                                                                                                                                                                                                                                 | 25 dB(A)          |     | 30 dB(A)          |     | 35 dB(A)          |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|-----|-------------------|-----|
|                                                                                                                                                                                                                                      | m <sup>3</sup> /h | l/s | m <sup>3</sup> /h | l/s | m <sup>3</sup> /h | l/s |
| VVKR-B-S-825-64-B-SW + PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 | 657               | 183 | 759               | 211 | 872               | 242 |

NOTA: I punti di lavoro sono stati misurati con serranda di regolazione in posizione totalmente aperta.

Portata aria  $q_v$  per livello di pressione sonora ponderata-A  $L_{pA}$  (area assorbimento equivalente 10m<sup>2</sup>)

| Item                                                                                                                        | 20 dB(A)          |     | 25 dB(A)          |     | 30 dB(A)          |     |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------|-----|-------------------|-----|-------------------|-----|
|                                                                                                                             | m <sup>3</sup> /h | l/s | m <sup>3</sup> /h | l/s | m <sup>3</sup> /h | l/s |
| VVKR-B-S-300-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-300-160-S-H-D1                           | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-400-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                           | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-400-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1                                                    | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1                                                                              | 294               | 82  | 355               | 99  | 427               | 119 |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1                                                                              | 294               | 82  | 355               | 99  | 427               | 119 |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1                                                                              | 294               | 82  | 355               | 99  | 427               | 119 |
| VVKR-B-S-500-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 | 138               | 38  | 167               | 46  | 201               | 56  |
| VVKR-B-S-500-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1                          | 244               | 68  | 292               | 81  | 346               | 96  |
| VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1                                                                              | 294               | 82  | 355               | 99  | 427               | 119 |

[illegible]

| Item                                                                                                                                                                                                                                                                                    | 20 dB(A) |     | 25 dB(A) |     | 30 dB(A) |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-----|----------|-----|
|                                                                                                                                                                                                                                                                                         | m³/h     | l/s | m³/h     | l/s | m³/h     | l/s |
| VVKR-B-S-600-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1                                                                                                        | 244      | 68  | 292      | 81  | 346      | 96  |
| VVKR-B-S-600-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1                                                                                                                                                            | 294      | 82  | 355      | 99  | 427      | 119 |
| VVKR-B-S-600-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1                                                                                                                                                                                      | 457      | 127 | 541      | 150 | 637      | 177 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 138      | 38  | 167      | 46  | 201      | 56  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 244      | 68  | 292      | 81  | 346      | 96  |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 294      | 82  | 355      | 99  | 427      | 119 |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 457      | 127 | 541      | 150 | 637      | 177 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 138      | 38  | 167      | 46  | 201      | 56  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 244      | 68  | 292      | 81  | 346      | 96  |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 294      | 82  | 355      | 99  | 427      | 119 |

| Item                                                                                                                                                                                                                                                                                    | 20 dB(A) |     | 25 dB(A) |     | 30 dB(A) |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-----|----------|-----|
|                                                                                                                                                                                                                                                                                         | m³/h     | l/s | m³/h     | l/s | m³/h     | l/s |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 457      | 127 | 541      | 150 | 637      | 177 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 138      | 38  | 167      | 46  | 201      | 56  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 244      | 68  | 292      | 81  | 346      | 96  |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 294      | 82  | 355      | 99  | 427      | 119 |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 457      | 127 | 541      | 150 | 637      | 177 |
| VVKR-B-S-625-8-B-SW + PB-VVK-S-300-160-S-H-D1 / PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1 | 138      | 38  | 167      | 46  | 201      | 56  |
| VVKR-B-S-625-16-B-SW + PB-VVK-S-400-160-S-H-D1 / PB-VVK-S-400-200-S-H-D1 / PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                          | 244      | 68  | 292      | 81  | 346      | 96  |
| VVKR-B-S-625-24-B-SW + PB-VVK-S-500-200-S-H-D1 / PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                              | 294      | 82  | 355      | 99  | 427      | 119 |
| VVKR-B-S-625-40-B-SW + PB-VVK-S-600-200-S-H-D1 / PB-VVK-S-600-250-S-H-D1 / PB-VVK-S-600-315-S-H-D1 / PB-VVK-S-625-200-S-H-D1 / PB-VVK-S-625-250-S-H-D1 / PB-VVK-S-625-315-S-H-D1                                                                                                        | 457      | 127 | 541      | 150 | 637      | 177 |
| VVKR-B-S-800-64-B-SW + PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1                                                                                                                                                                                      | 639      | 177 | 737      | 205 | 848      | 236 |

| Item                                                                                                                                                                                                                                 | 20 dB(A) |     | 25 dB(A) |     | 30 dB(A) |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|----------|-----|----------|-----|
|                                                                                                                                                                                                                                      | m³/h     | l/s | m³/h     | l/s | m³/h     | l/s |
| VVKR-B-S-825-64-B-SW + PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 / PB-VVK-S-800-315-S-H-D1 / PB-VVK-S-825-315-S-H-D1 | 639      | 177 | 737      | 205 | 848      | 236 |

NOTA: I punti di lavoro sono stati misurati con serranda di regolazione in posizione totalmente aperta.

# Parametri tecnici

## Legenda

$L_{0,2}$  (m) Lunghezza di lancio con velocità di terminale 0,2 m/s

$L_x$  (m) Lunghezza di lancio calcolata per diverse velocità terminali

$x$  (m/s) Velocità terminale compresa tra 0,1 m/s . . 1 m/s

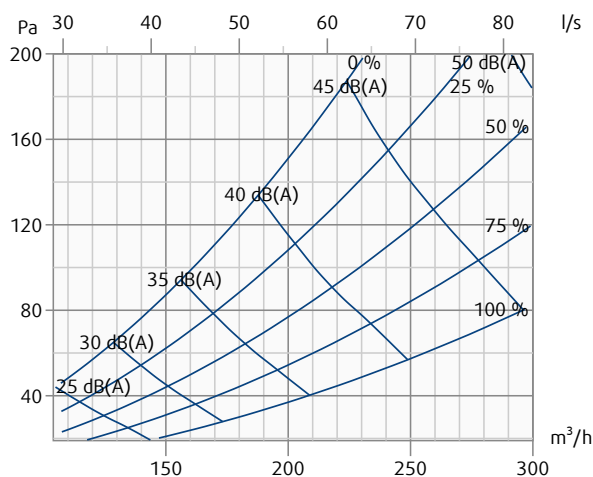
**0%, 25%, 50%, 75%, 100%** Le posizioni della serranda di regolazione nei diagrammi di perdite di carico/rumorosità sono rappresentate come percentuale. 0% è serranda completamente chiusa. 100% è serranda completamente aperta.

## Calcolo del lancio con diverse velocità terminali

$$L_x = L_{0,2} \cdot 0,2/x$$

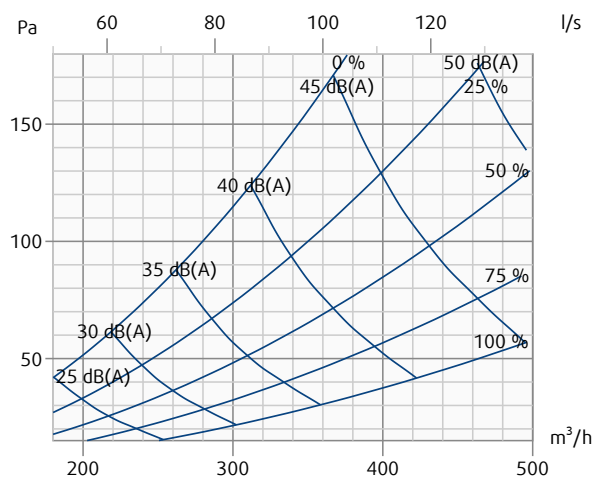
### VVKR-B-S-300-8-B-SW + PB-VVK-S-300-160-S-H-D1

Perdita di carico e livello di pressione sonora ponderata-A (dB(A))



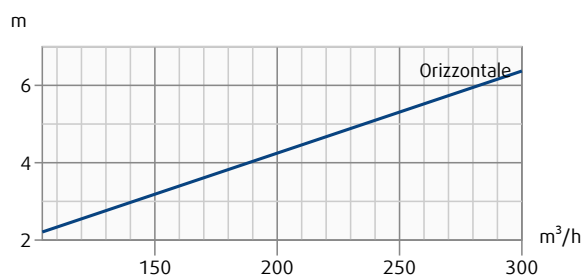
### VVKR-B-S-400-16-B-SW + PB-VVK-S-400-200-S-H-D1

Perdita di carico e livello di pressione sonora ponderata-A (dB(A))



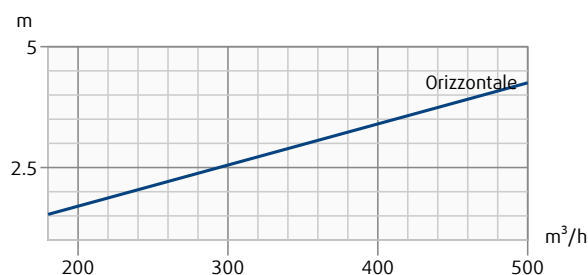
### VVKR-B-S-300-8-B-SW + PB-VVK-S-300-160-S-H-D1

Lunghezza lancio (velocità terminale 0.2 m/s)



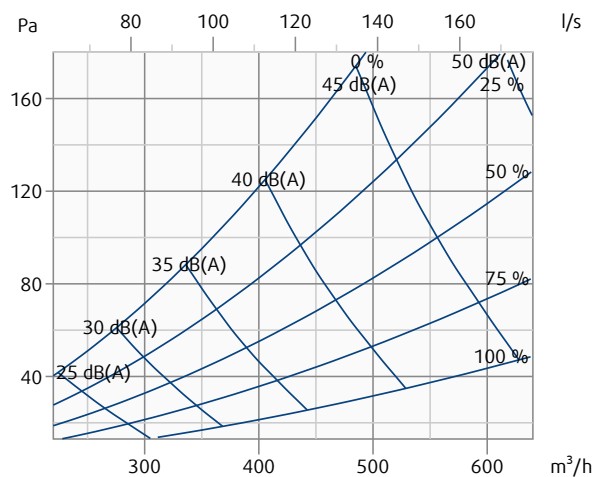
### VVKR-B-S-400-16-B-SW + PB-VVK-S-400-200-S-H-D1

Lunghezza lancio (velocità terminale 0.2 m/s)



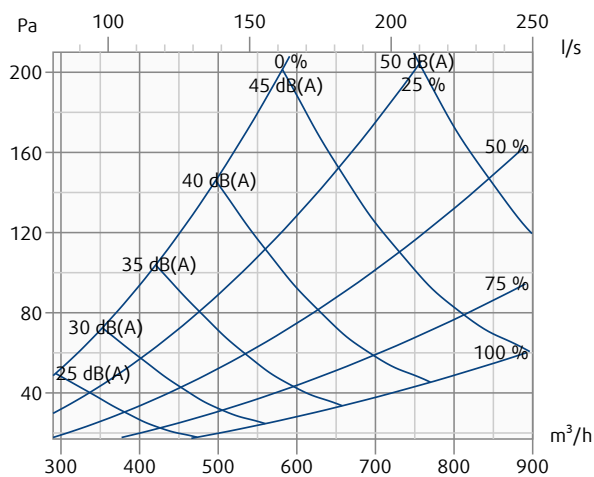
### VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1

Perdita di carico e livello di pressione sonora ponderata-A (dB(A))



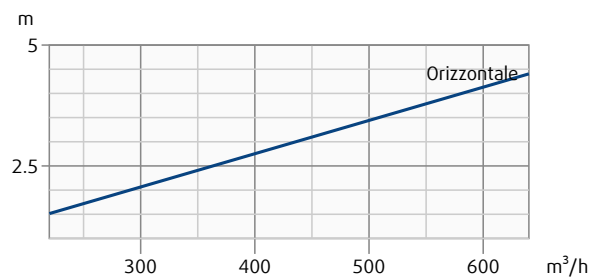
### VVKR-B-S-600-40-B-SW + PB-VVK-S-600-200-S-H-D1

Perdita di carico e livello di pressione sonora ponderata-A (dB(A))



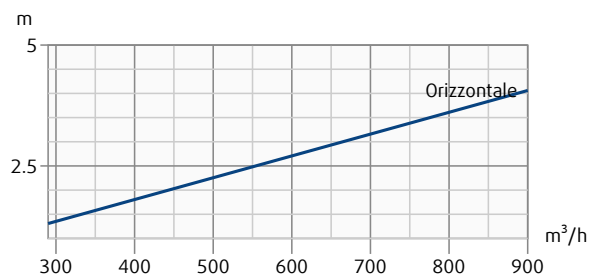
### VVKR-B-S-500-24-B-SW + PB-VVK-S-500-200-S-H-D1

Lunghezza lancio (velocità terminale 0.2 m/s)



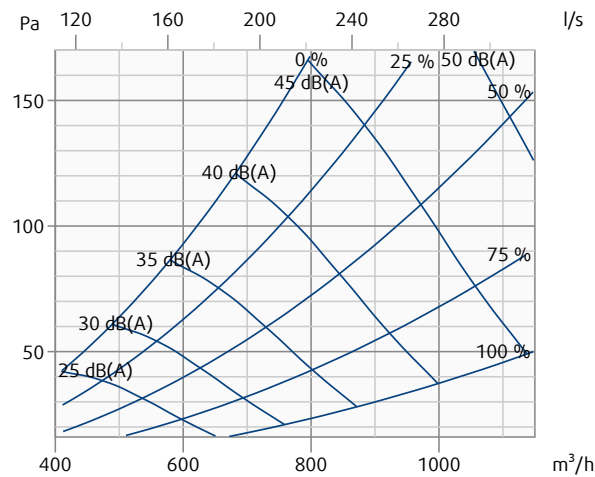
### VVKR-B-S-600-40-B-SW + PB-VVK-S-600-200-S-H-D1

Lunghezza lancio (velocità terminale 0.2 m/s)



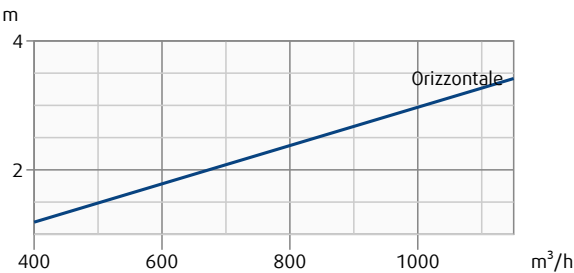
VVKR-B-S-800-64-B-SW + PB-VVK-S-800-315-S-H-D1

Perdita di carico e livello di pressione sonora ponderata-A (dB(A))

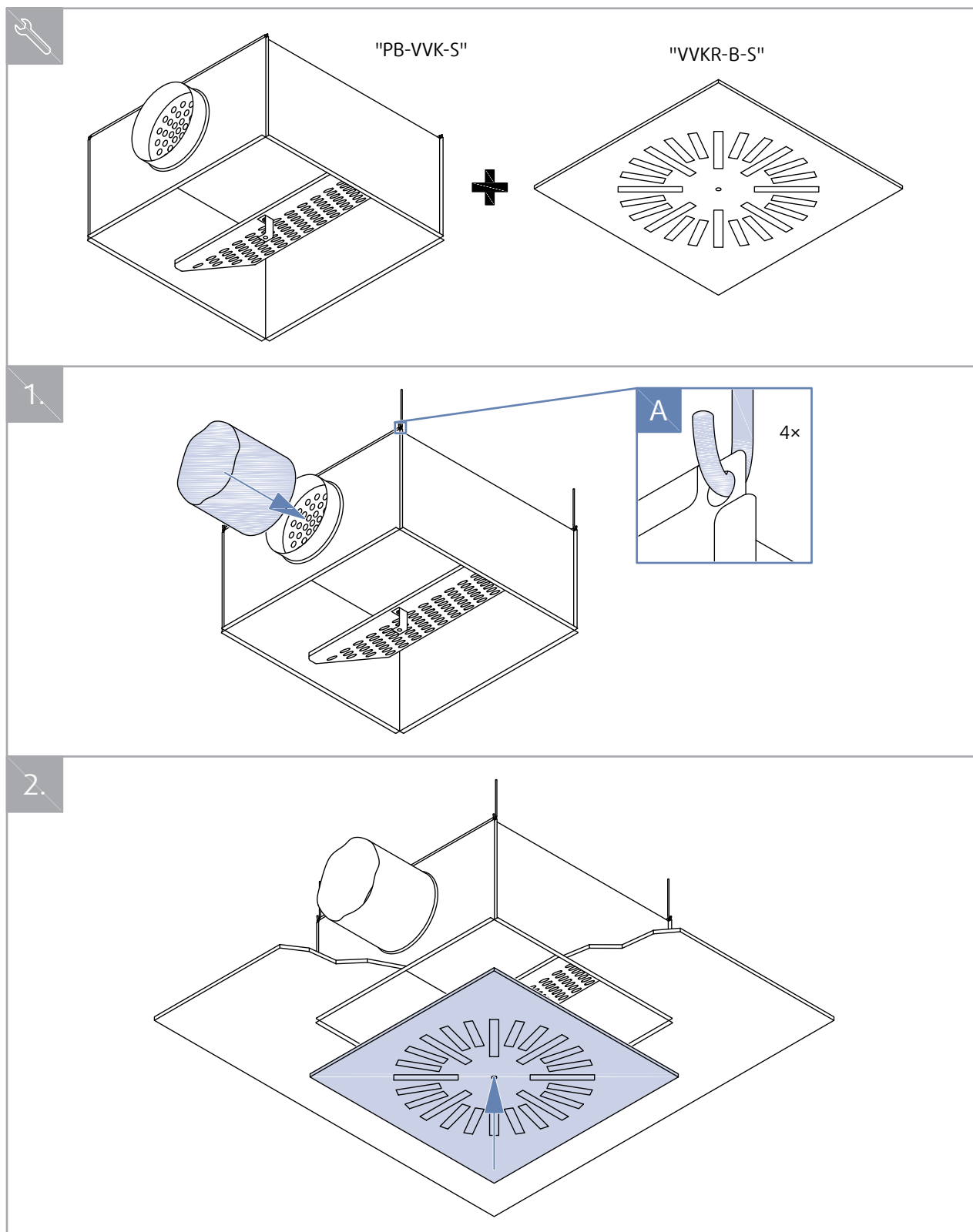


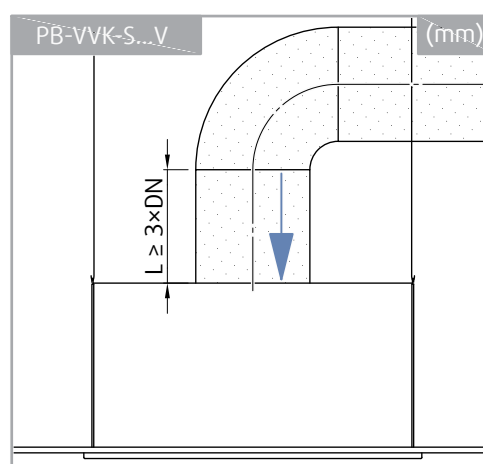
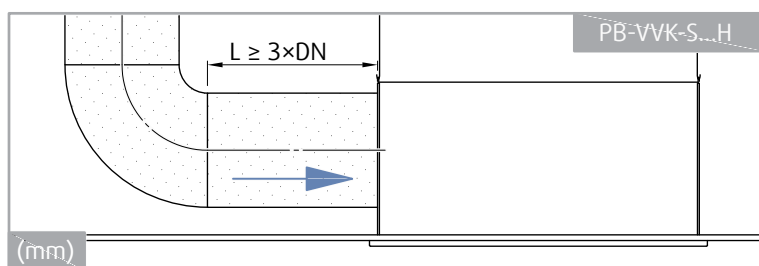
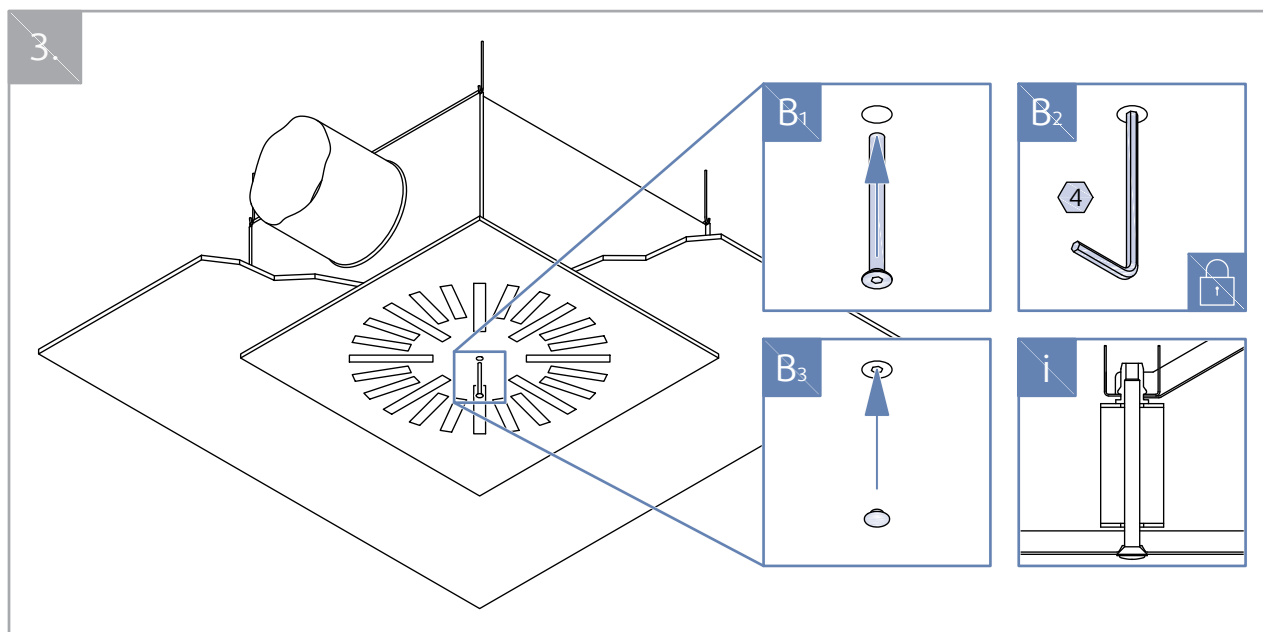
I/s VVKR-B-S-800-64-B-SW + PB-VVK-S-800-315-S-H-D1

Lunghezza lancio (velocità terminale 0.2 m/s)

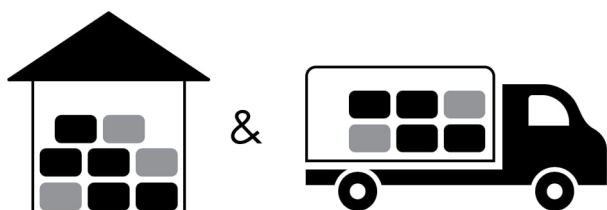


# Installazione





# Trasporto, stoccaggio e funzionamento



 °C -40 °C ... +50 °C

 % ≤ 95%



 °C -20 °C ... +50 °C

 % ≤ 95%

# Supplemento

Ogni eventuale modifica delle specifiche tecniche contenute nel presente documento dovrà essere valutata con il produttore. Ci riserviamo il diritto di apportare modifiche al prodotto senza preavviso, a condizione che tali modifiche non influiscano sulla qualità del prodotto e sui parametri richiesti. Le informazioni aggiornate su tutti i prodotti sono disponibili su [design.systemair.com](http://design.systemair.com).

