

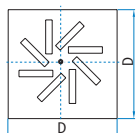
# Vrtinčni difuzor OD-8

- Kvadratna ali okrogla maska z okroglo razporeditvijo usmernikov
- Plastični usmerniki zraka
- Penasto tesnilo po obodu
- Možnost regulacije v priključku

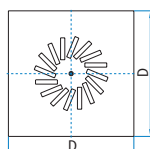


## Oblike mask in dimenzije za OD-8

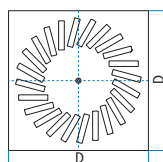
OD-8 K  
300/8



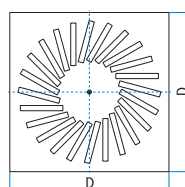
400/16, 500/16,  
600/16, 625/16



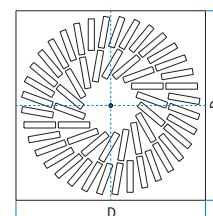
500/24



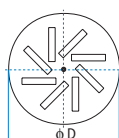
600/24, 625/24



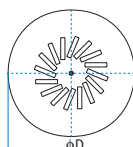
625/54



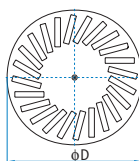
OD-8 R  
300/8



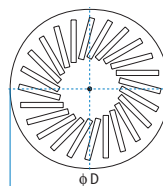
400/16, 500/16,  
600/16, 625/16



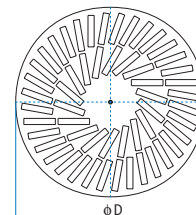
500/24



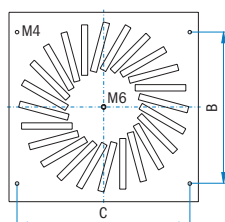
600/24, 625/24



625/54

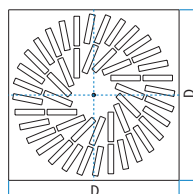


## Pritrditev s štirimi vijaki K4

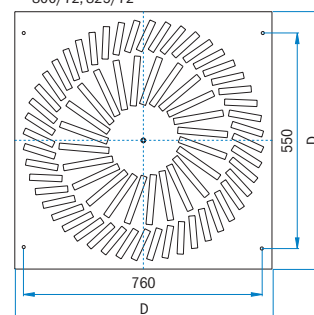


OD-8K1 1x M6 na sredini  
OD-8K4 4x M4 naobodu

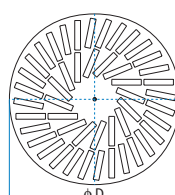
OD-8 K  
600/48



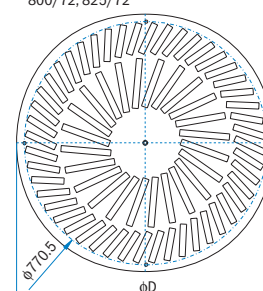
800/72, 825/72



OD-8 R  
600/48



800/72, 825/72

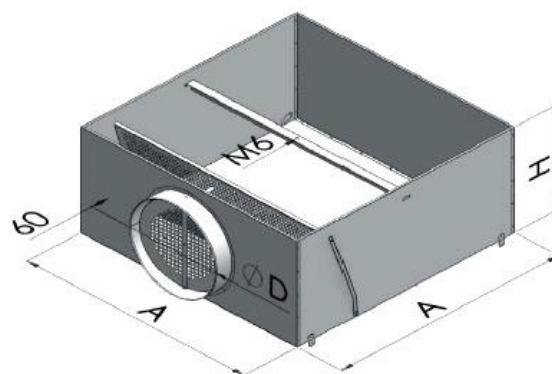


| Velikost | ΦD  | D   | B   | C   | A <sub>ef</sub> (m <sup>2</sup> ) |
|----------|-----|-----|-----|-----|-----------------------------------|
| 300/8    | 300 | 295 | 245 | 245 | 0.009464                          |
| 400/16   | 400 | 395 | 345 | 345 | 0.018928                          |
| 500/16   | 500 | 495 | 445 | 445 |                                   |
| 600/16   | 600 | 595 | 545 | 545 |                                   |
| 625/16   | 625 | 620 | 570 | 570 | 0.028392                          |
| 500/24   | 500 | 495 | 445 | 445 |                                   |
| 600/24   | 600 | 595 | 460 | 560 | 0.044928                          |
| 625/24   | 625 | 620 | 460 | 560 |                                   |
| 600/48   | 600 | 595 | 460 | 560 |                                   |
| 625/54   | 625 | 620 | 460 | 580 | 0.063882                          |
| 800/72   | 800 | 795 | 550 | 760 | 0.101712                          |
| 825/72   | 825 | 820 | 550 | 760 |                                   |

A<sub>ef</sub> – efektivna površina praznjenja (m<sup>2</sup>)

## Kvadratna priključna komora

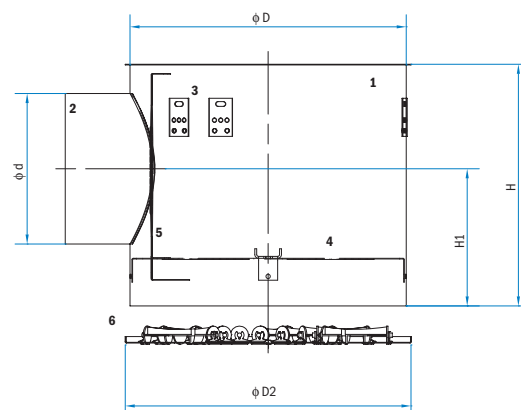
| Oznaka   | Size   | A [mm] | ΦD [mm] | H [mm] |
|----------|--------|--------|---------|--------|
| K/Z/S/M/ | 300/8  | 290    | 158     | 210    |
| K/Z/S/M/ | 400/16 | 390    | 198     | 250    |
| K/Z/S/M/ | 500/16 | 390    | 198     | 250    |
| K/Z/S/M/ | 600/16 | 390    | 198     | 250    |
| K/Z/S/M/ | 625/16 | 390    | 198     | 250    |
| K/Z/S/M/ | 500/24 | 490    | 198     | 250    |
| K/Z/S/M/ | 600/24 | 590    | 248     | 300    |
| K/Z/S/M/ | 625/24 | 590    | 248     | 300    |
| K/Z/S/M/ | 600/48 | 590    | 248     | 300    |
| K/Z/S/M/ | 625/54 | 615    | 248     | 300    |
| K/Z/S/M/ | 800/72 | 790    | 313     | 365    |
| K/Z/S/M/ | 825/72 | 790    | 313     | 365    |



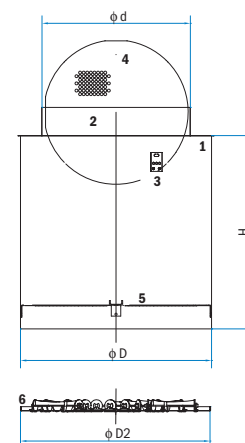
## Okrogla komora

| Velikost | ΦD  | ΦD2 | Φd  | H   | H1  |
|----------|-----|-----|-----|-----|-----|
| 300/8R   | 290 | 300 | 158 | 245 | 144 |
| 400/16R  | 370 | 400 | 198 | 285 | 164 |
| 500/16R  |     | 500 | 198 |     |     |
| 600/16R  |     | 600 | 198 |     |     |
| 625/16R  |     | 625 | 198 |     |     |
| 500/24R  | 488 | 500 | 198 | 285 | 164 |
| 600/24R  | 560 | 600 | 248 | 335 | 189 |
| 625/24R  |     | 625 | 248 |     |     |
| 600/48R  | 590 | 600 | 248 | 335 | 189 |
| 625/54R  | 610 | 625 | 248 | 335 | 189 |
| 800/72R  | 790 | 800 | 313 | 400 | 221 |
| 825/72R  |     | 825 | 313 |     |     |

1. Priključna komora
2. Priključek
3. Obešalo komore
4. Perforirana pločevina (samo za dovod)
5. Regulacijska loputa
6. Difuzor OD-8

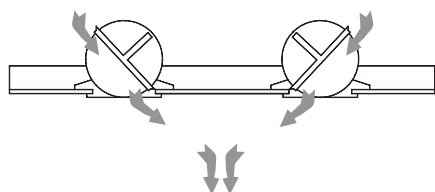


| Velikost | ΦD  | ΦD2 | Φd  | H   |
|----------|-----|-----|-----|-----|
| 300/8R   | 290 | 300 | 158 | 245 |
| 400/16R  | 370 | 400 | 198 | 280 |
| 500/16R  |     | 500 | 198 |     |
| 600/16R  |     | 600 | 198 |     |
| 625/16R  |     | 625 | 198 |     |
| 500/24R  | 488 | 500 | 198 | 280 |
| 600/24R  | 560 | 600 | 248 | 330 |
| 625/24R  |     | 625 | 248 |     |
| 600/48R  | 590 | 600 | 248 | 330 |
| 625/54R  | 610 | 625 | 248 | 330 |
| 800/72R  | 790 | 800 | 313 | 395 |
| 825/72R  |     | 825 | 313 |     |

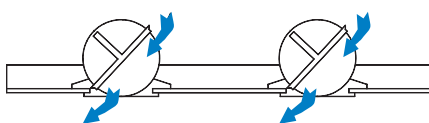


## Smeri valjčkov in vpiha

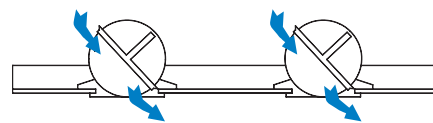
Navpičen vpih



Vpih levo

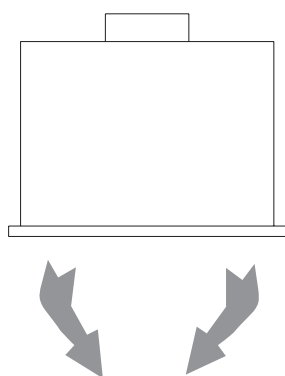


Vpih desno

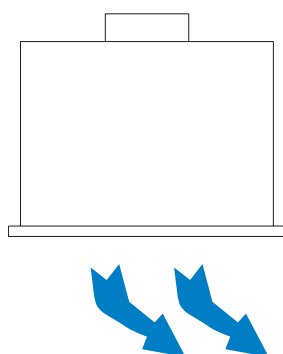


## Smeri curkov

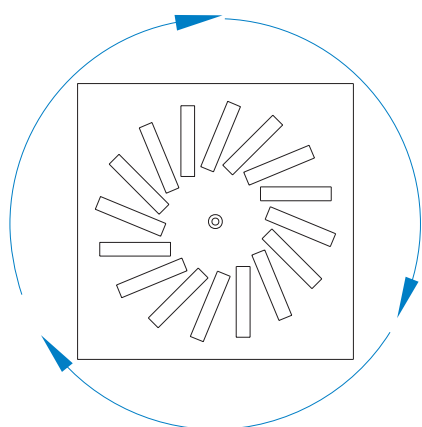
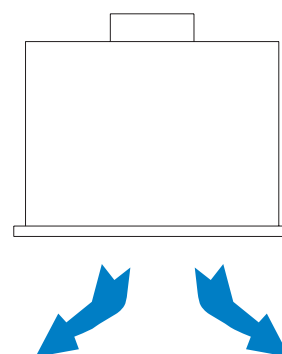
Vrtinčast efekt



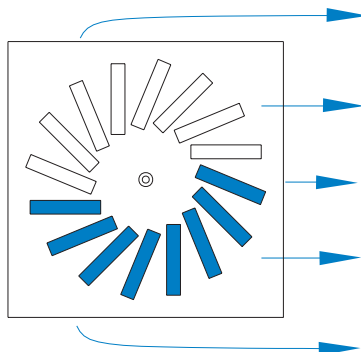
Enostranski vpih



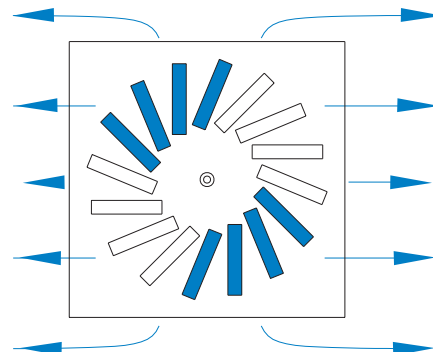
Dvostranski vpih



□ Navpičen vpih

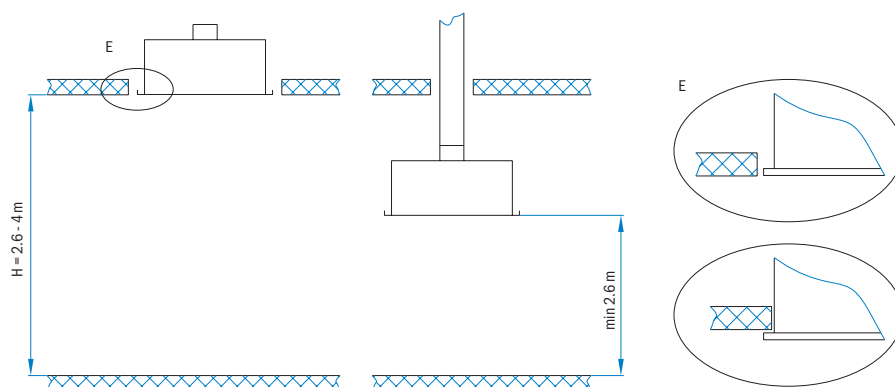


■ Vpih levo  
□ Vpih desno



■ Vpih levo  
□ Vpih desno

## Vgradnja



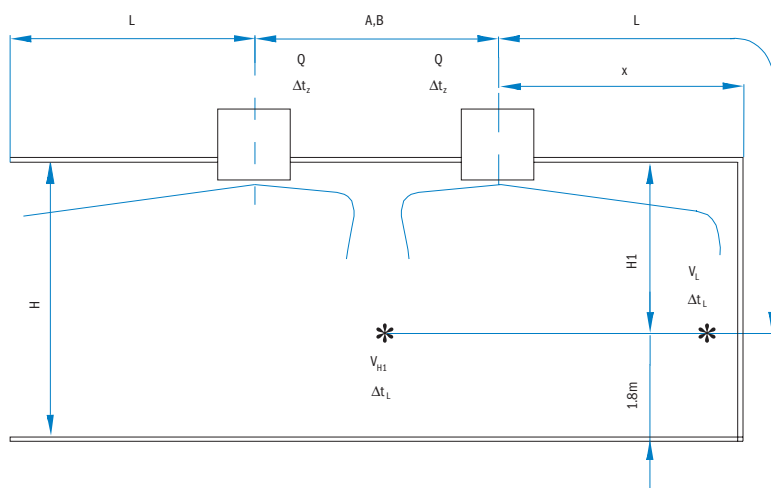
## Ključ za naročanje

| OD-8 | K1 | / | Z | / | S | / | M | / | I5 | Velikost |
|------|----|---|---|---|---|---|---|---|----|----------|
| 1    | 2  |   | 3 |   | 4 |   | 5 |   | 6  | 7        |

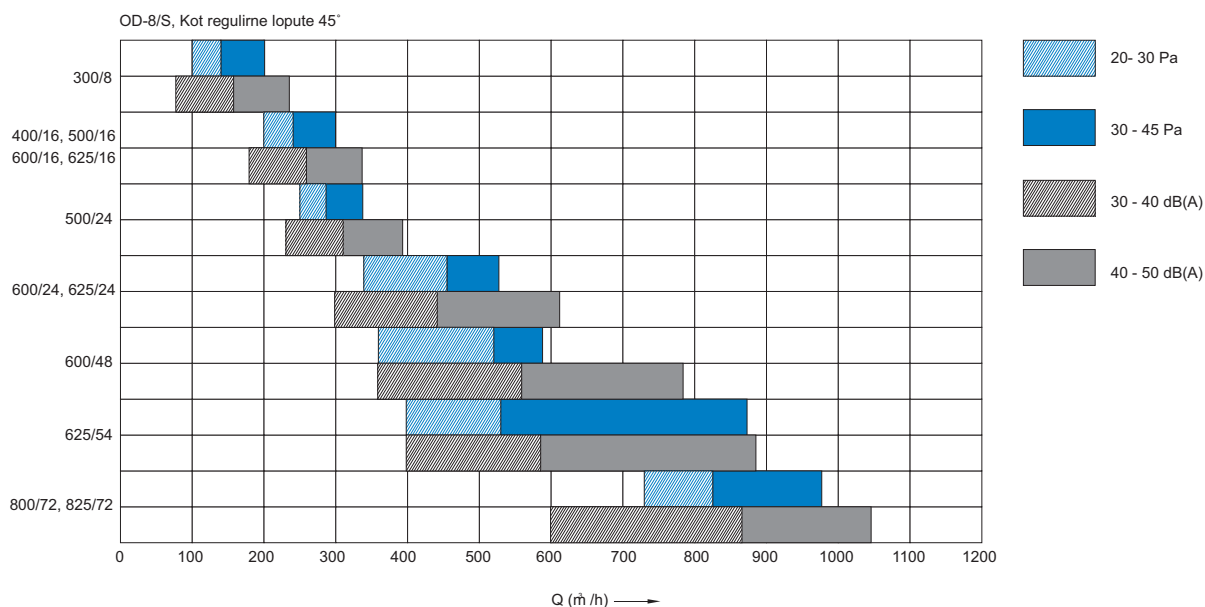
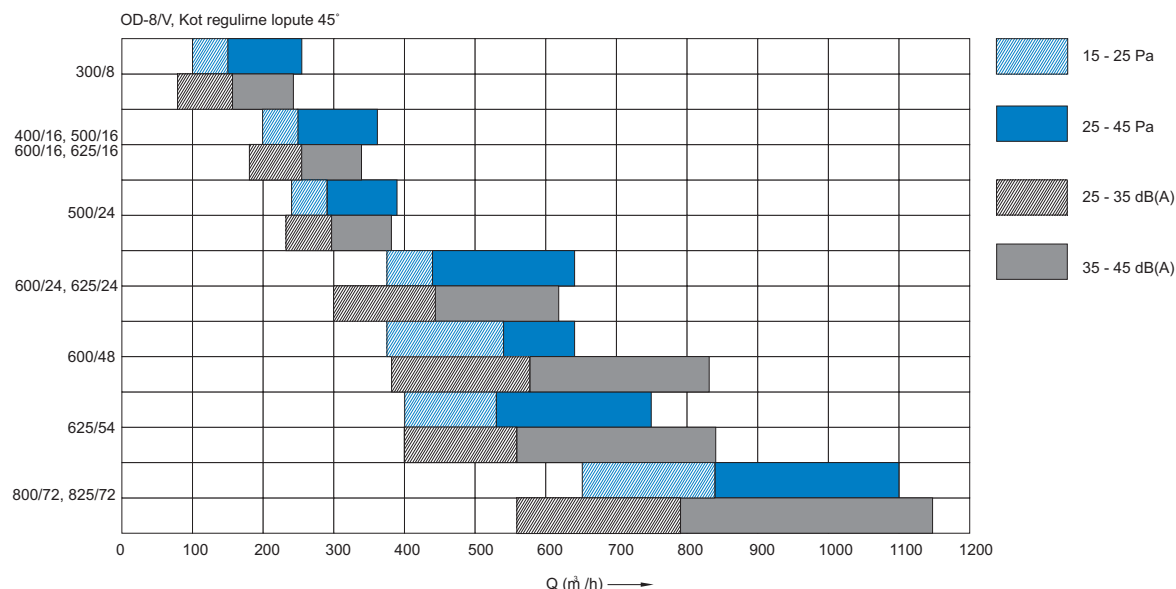
|                     |                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 1 Tip difuzorja     |                                                                                                                                    |
|                     | Vrtinčni difuzor                                                                                                                   |
| 2 Tip maske         |                                                                                                                                    |
| K1                  | Kvadratna maska, sredinska pritrditev                                                                                              |
| K4                  | Kvadratna maska, pritrditev s štirimi vijaki (za 800/72, 825/; druge velikosti ob naročilu le plošče difuzorja)                    |
| R1                  | Krogla maska, sredinska pritrditev                                                                                                 |
| R4                  | Okrogla maska, pritrditev s petimi vijaki (za 800/72, 825/; druge velikosti ob naročilu le plošče difuzorja)                       |
| 3 Priključna komora |                                                                                                                                    |
| Z                   | Dovod zraka (kvadratna komora s črnimi plastičnimi usmerniki zraka in s perforirano pločevino)                                     |
| ZW                  | Dovod zraka (kvadratna komora z belimi plastičnimi usmerniki zraka in s perforirano pločevino)                                     |
| A                   | Odvod zraka (kvadratna komora brez plastičnih usmernikov zraka in brez perforirane pločevine)                                      |
| ZR                  | Dovod zraka (okrogla komora, s črnimi plastičnimi usmerniki zraka in s perforirano pločevino)                                      |
| 4 Priključek        |                                                                                                                                    |
| S                   | Stranski priključek                                                                                                                |
| V                   | Vertikalni priključek (samo na zahtevo)                                                                                            |
| 5 Regulacija        |                                                                                                                                    |
| M                   | Regulacijska loputa v priključku                                                                                                   |
| 6 Izolacija         |                                                                                                                                    |
| I5                  | Toplotna izolacija (polietilen) debeline 5 mm na zunanji strani komore                                                             |
| I6                  | Toplotna izolacija (polietilen) debeline 6 mm na zunanji strani komore                                                             |
| I9                  | Vočna in toplotna izolacija (od -40 °C do 105 °C) debeline 9 mm na zunanji strani komore (material na bazi sintetičnega kavčuka)   |
| I10                 | Zvočna in toplotna izolacija (od -40 °C do 105 °C) debeline 10 mm na zunanji strani komore (material na bazi sintetičnega kavčuka) |
| I19                 | Zvočna in toplotna izolacija (od -40 °C do 105 °C) debeline 19 mm na zunanji strani komore (material na bazi sintetičnega kavčuka) |
| 7 Dimensions        |                                                                                                                                    |
| 300/8               |                                                                                                                                    |
| 400/16              |                                                                                                                                    |
| 500/16              |                                                                                                                                    |
| 600/16              |                                                                                                                                    |
| 500/24              |                                                                                                                                    |
| 600/24              |                                                                                                                                    |
| 625/24              |                                                                                                                                    |
| 600/48              |                                                                                                                                    |
| 625/54              |                                                                                                                                    |
| 800/72              | Samo izvedbe K4 in R4: 4 vijaki po robu in 1 dodatni vijak v sredini maske                                                         |
| 825/72              | Samo izvedbe K4 in R4: 4 vijaki po robu in 1 dodatni vijak v sredini maske                                                         |

## Pomen oznak

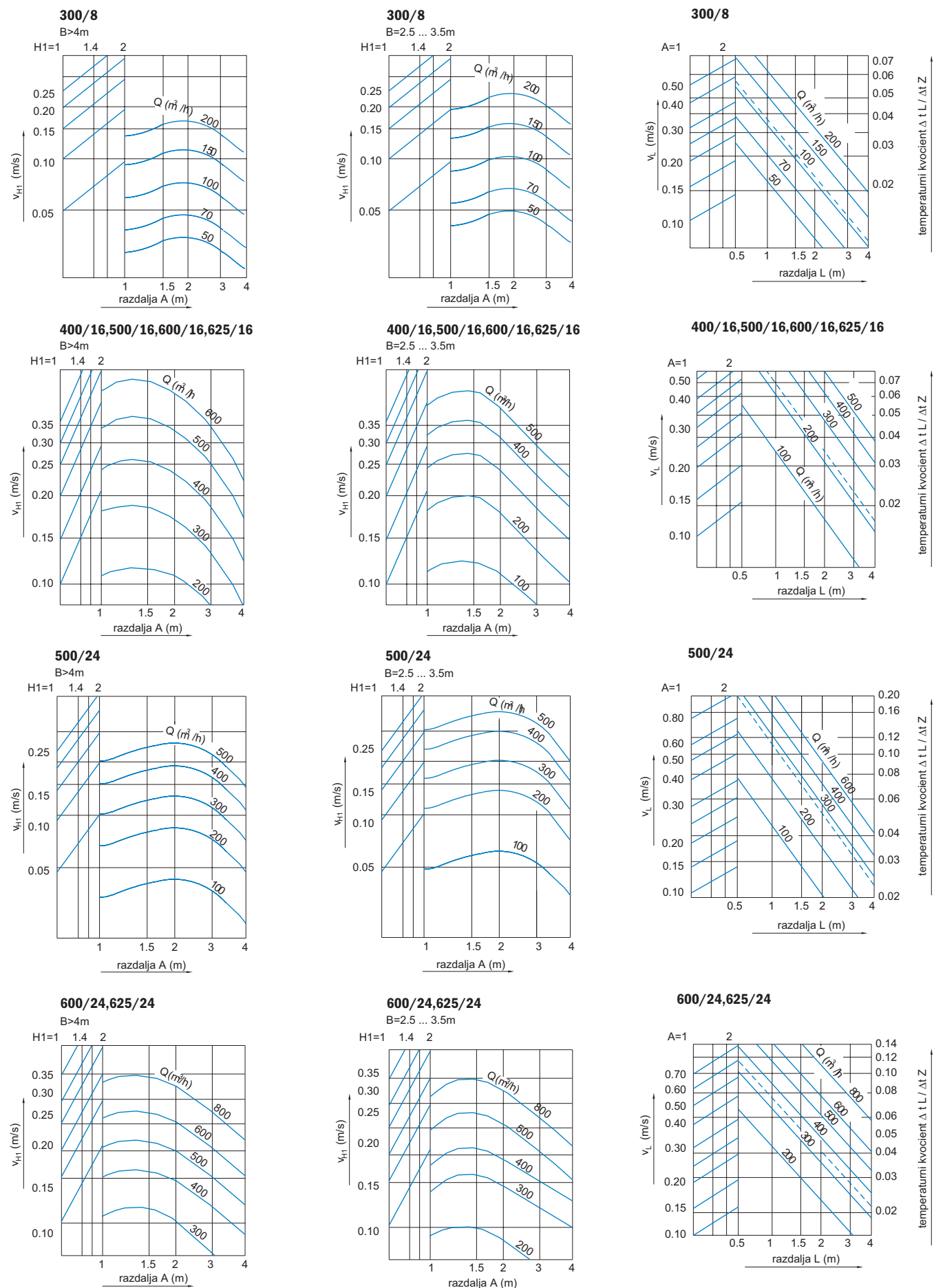
|                                     |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| <b>Q (m³/h)</b>                     | Količina zraka                                                               |
| <b>x (m)</b>                        | Vodoravna razdalja do stene                                                  |
| <b>H (m)</b>                        | Višina prostora                                                              |
| <b>H1 (m)</b>                       | Razdalja od stropa do bivalne cone                                           |
| <b>L (m)</b>                        | Dometna razdalja ( $L = H1 + x$ )                                            |
| <b><math>V_L</math> (m/s)</b>       | Hitrost zraka na dometni razdalji L                                          |
| <b><math>\Delta t_z</math> (K)</b>  | Razlika med temperaturo prostora in temperaturo vtočnega zraka               |
| <b><math>\Delta t_L</math> (K)</b>  | Razlika med temperaturo prostora in temperaturo zračnega curka na razdalji L |
| <b><math>\Delta p_t</math> (Pa)</b> | Padec tlaka                                                                  |
| <b><math>L_{WA}</math> (dB(A))</b>  | Nivo zvočne moči                                                             |
| <b><math>V_{H1}</math> (m/s)</b>    | Hitrost zraka na razdalji H1                                                 |
| <b>A, B (m)</b>                     | Oddaljenost med dvema difuzorjema po dolžini in širini                       |



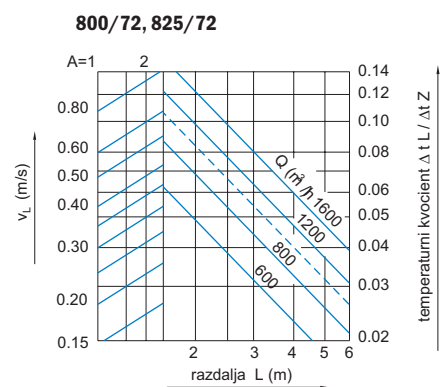
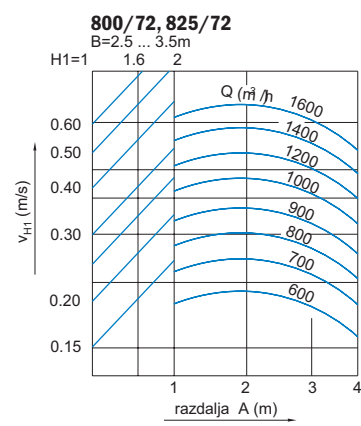
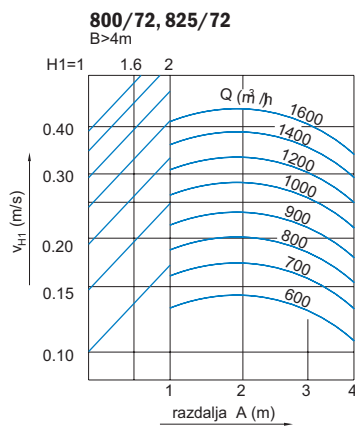
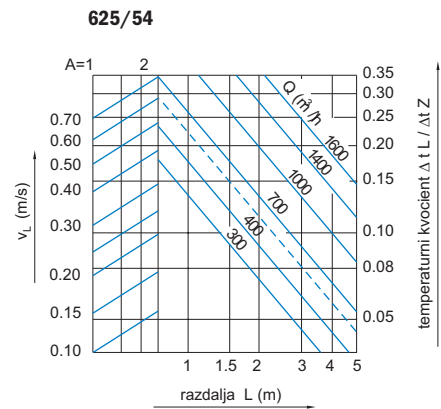
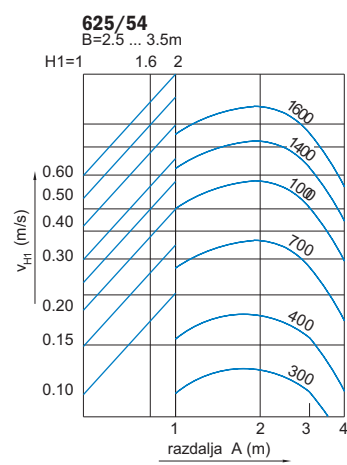
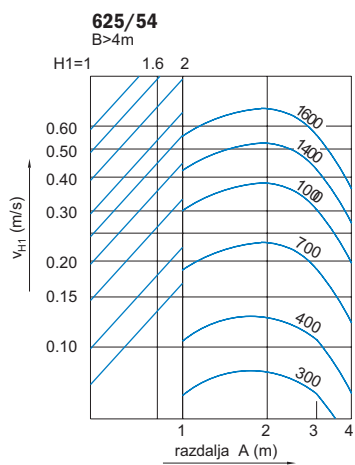
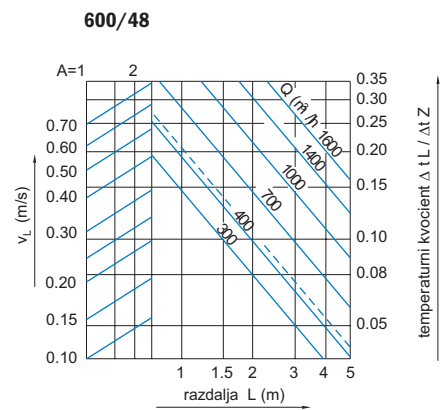
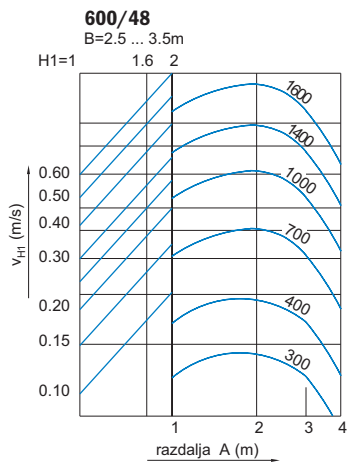
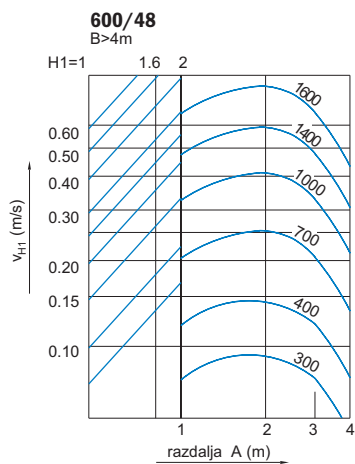
## Diagrami za hitri izbor



## Hitrosti na dometnih razdaljah in temperaturni kvocienti (velja s stropnim efektom)



## Hitrosti na dometnih razdaljah in temperaturni kvocienti (velja s stropnim efektom)



## Diagrami padcev tlaka in šumnosti (Kot regulirne lopute: 90° – odprta, 45° – pol odprta)

