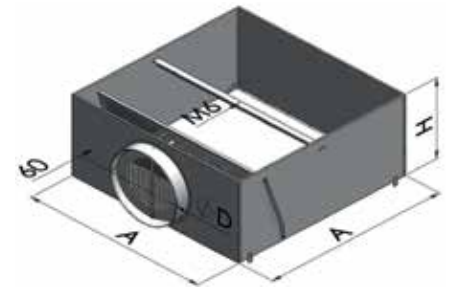
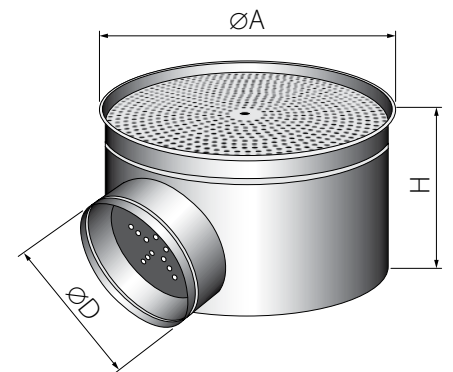


**KK-H-PP-M**

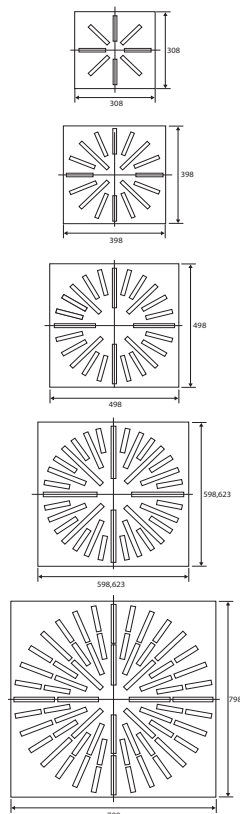


**KO-H-PP-M**

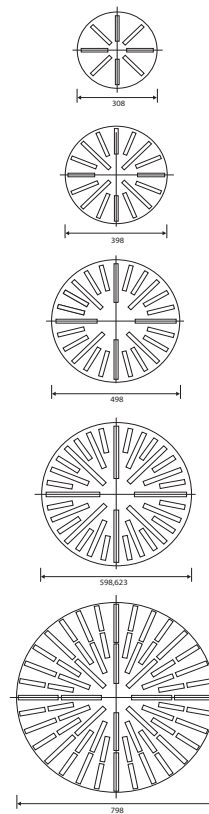


- Characteristics** Swirl diffuser with adjustable throws.
- Material** Steel.
- Finish** Painted RAL 9010.  
Deflectors: black polypropylene RAL 9005.
- Fixing** Fixing by side screws or one central screw.
- Accessories** K: Connecting plenum

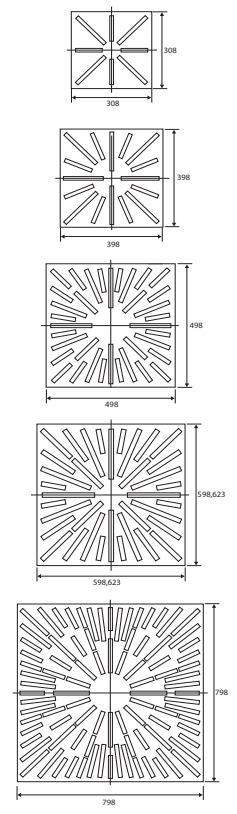
**Type Q-R**



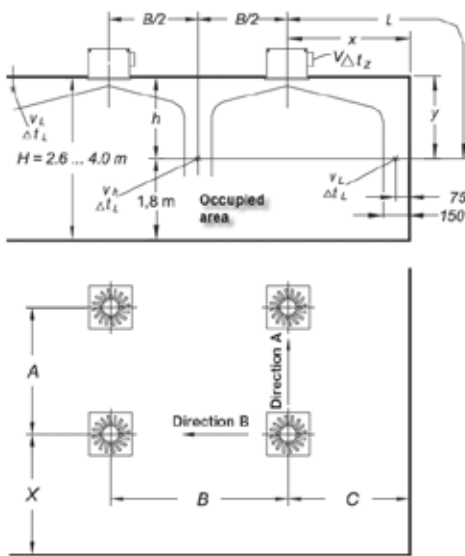
**Type R-R**



**Type Q-Q**



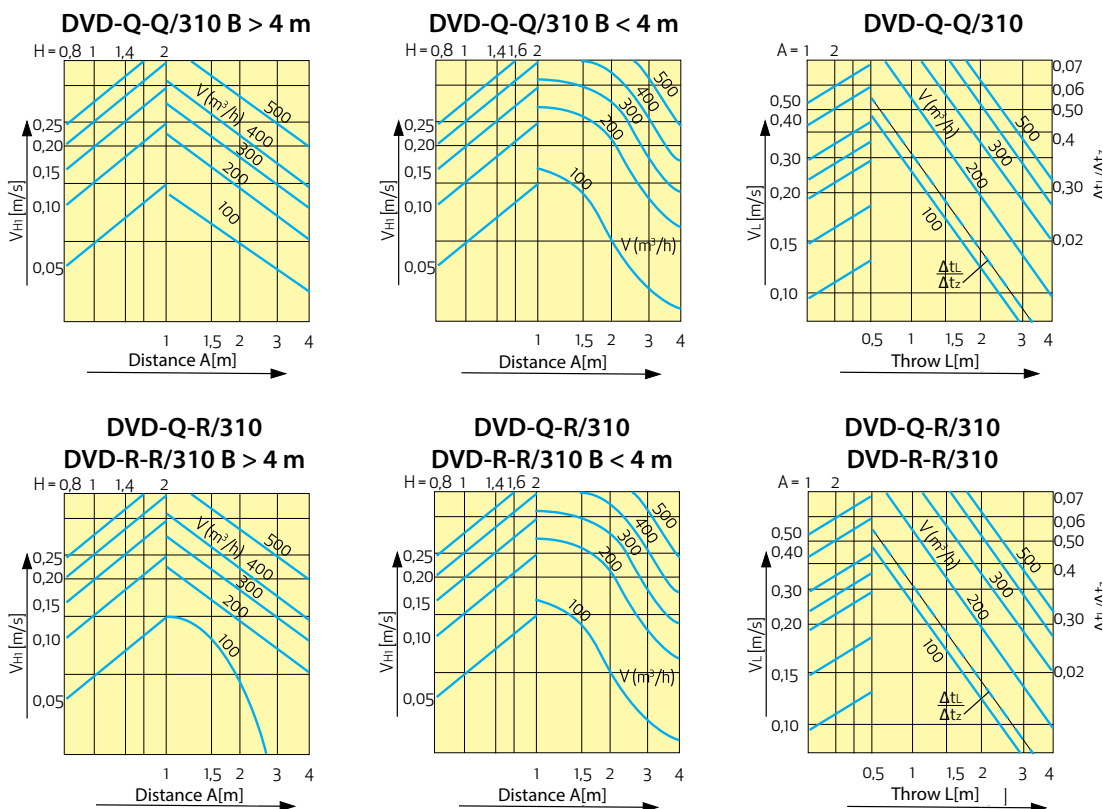
Dimension [mm]	$\varnothing D$	$D$	$A_{ef} - Q$ [m <sup>2</sup> ]	$A_{ef} - R$ [m <sup>2</sup> ]
310	310	305 × 305	0,0192	0,0120
400	400	395 × 395	0,0248	0,0248
500	500	495 × 495	0,0517	0,0392
600	600	595 × 595	0,0718	0,0565
625	625	620 × 620	0,0718	0,0565
825	825	820 × 820	0,1359	0,0938



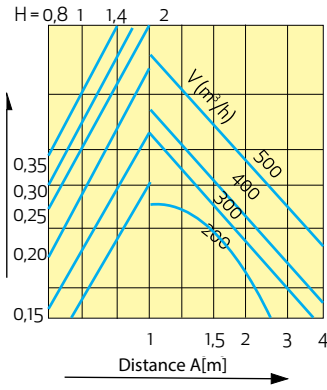
### Description

- $V$  [m<sup>3</sup>/h] - volume flow
- $y$  [m] - vertical jet throw
- $x$  [m] - horizontal jet throw
- $A, B$  [m] - distance between diffusers
- $C, X$  [m] - distance between wall and diffuser
- $L$  [m] - total jet throw
- $V_L$  [m/s] - mean jet velocity  $L$  (at the wall)
- $h$  [m] - distance between difuser and occupied area
- $V_h$  [m/s] - mean jet velocity between two diffusers at distance  $h$
- $t_z$  [°C] - supply air temperature
- $t_p$  [°C] - room air temperature
- $t_m$  [°C] - air stream temperature
- $\Delta t_z$  [K] - difference between room temperature and supply air temperature
- $\Delta t_L$  [K] - difference between air stream temperature and room temperature
- $\Delta p_L$  [Pa] - total pressure drop
- $LWA$  [dB(A)] - sound power level

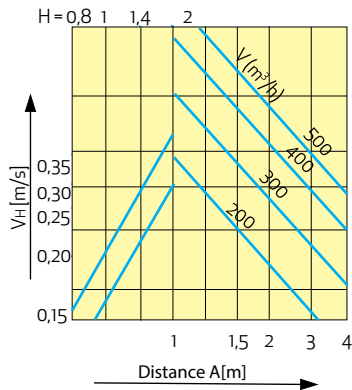
## A. Mean jet velocity $V_h$ at distance $B$ , mean jet velocity along the wall $V_L$ and temperature quotient $\Delta t_L / \Delta t_z$ for diffusers DVD



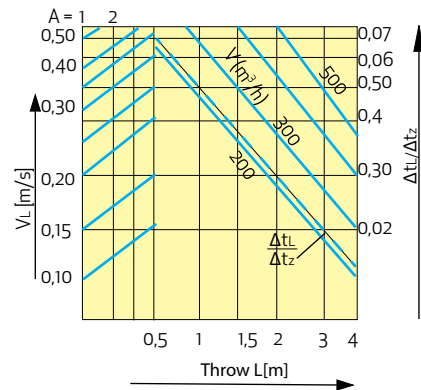
**DVD-Q-Q/400 B > 4 m**



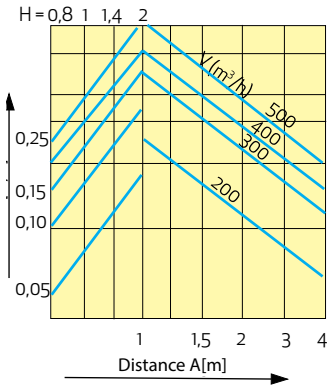
**DVD-Q-Q/400 B < 4 m**



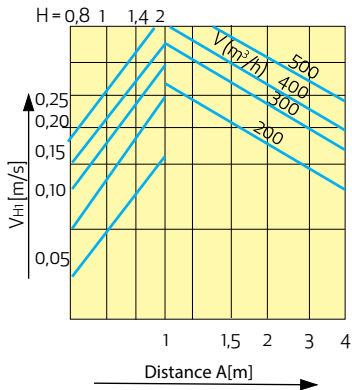
**DVD-Q-Q/400**



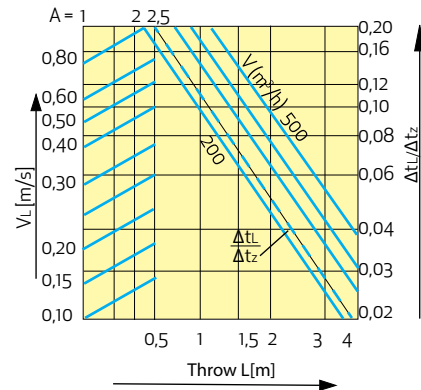
**DVD-Q-R/400  
DVD-R-R/400 B > 4 m**



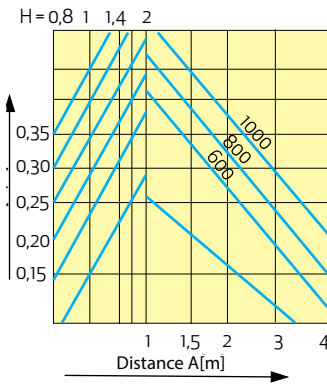
**DVD-Q-R/400  
DVD-R-R/400 B < 4 m**



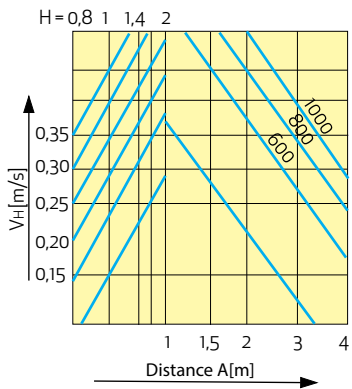
**DVD-Q-R/400  
DVD-R-R/400**



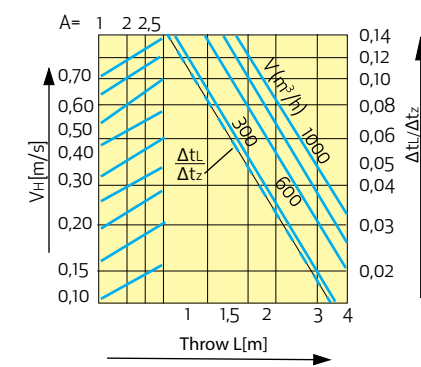
**DVD-Q-Q/500 B > 4 m**



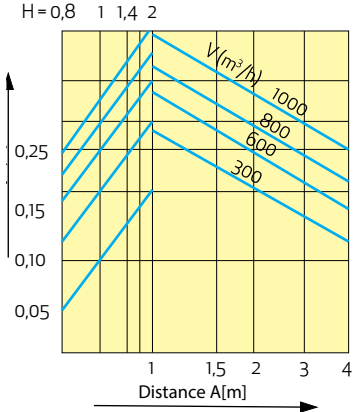
**DVD-Q-Q/500 B < 4 m**



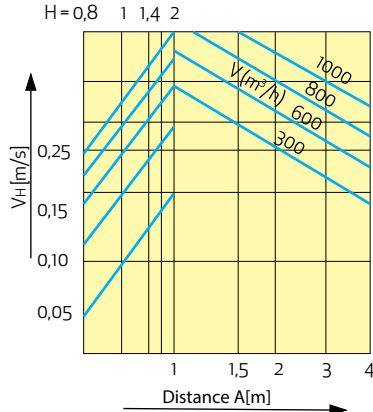
**DVD-Q-Q/500**



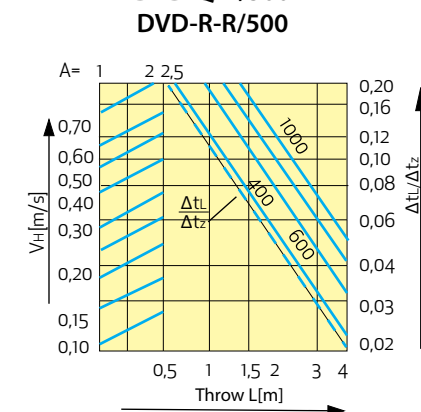
**DVD-Q-R/500  
DVD-R-R/500 B > 4 m**

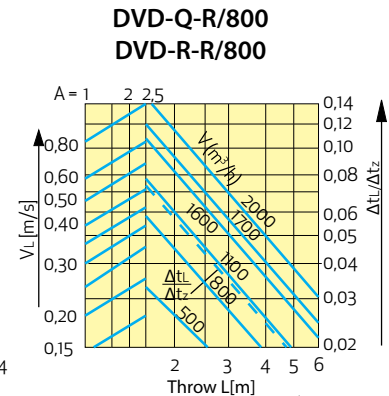
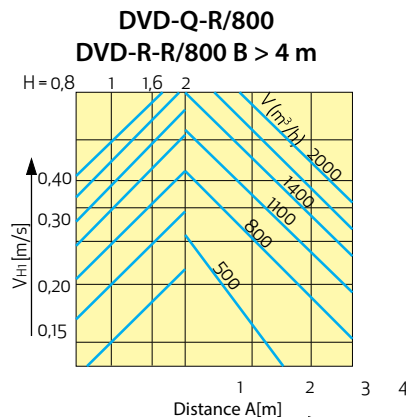
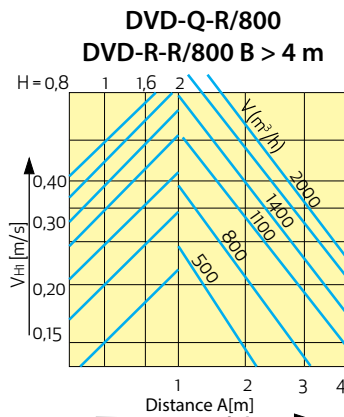
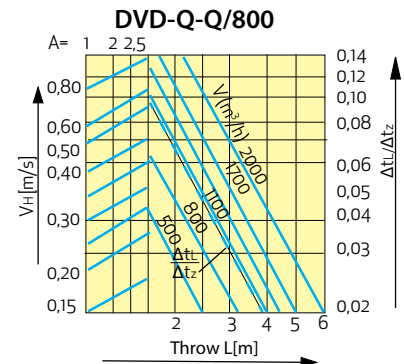
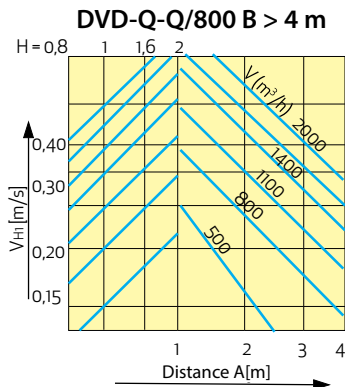
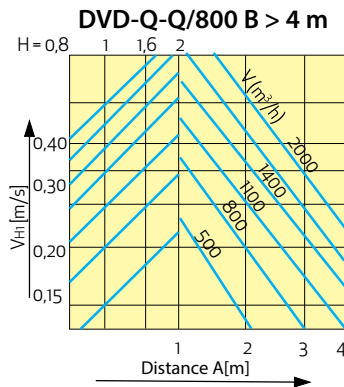
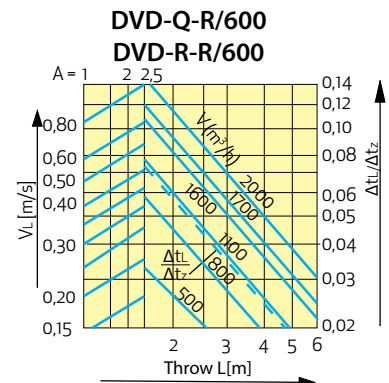
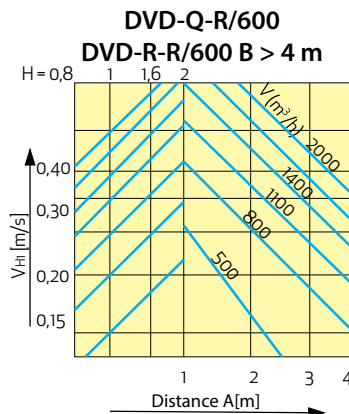
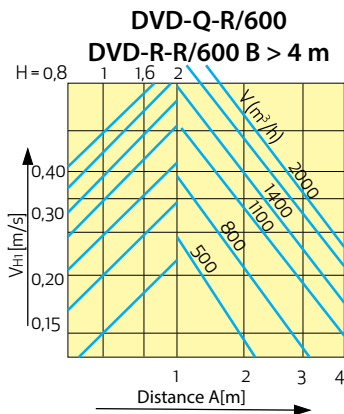
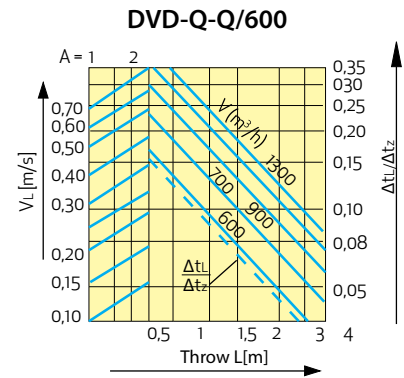
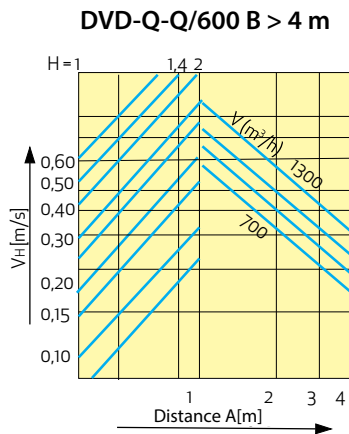
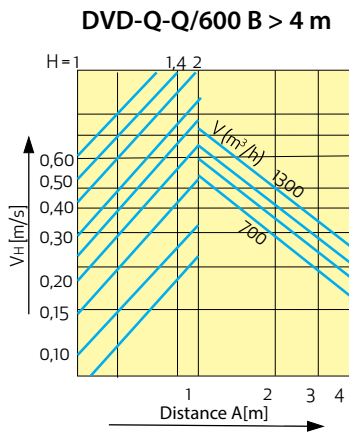


**DVD-Q-R/500  
DVD-R-R/500 B < 4 m**

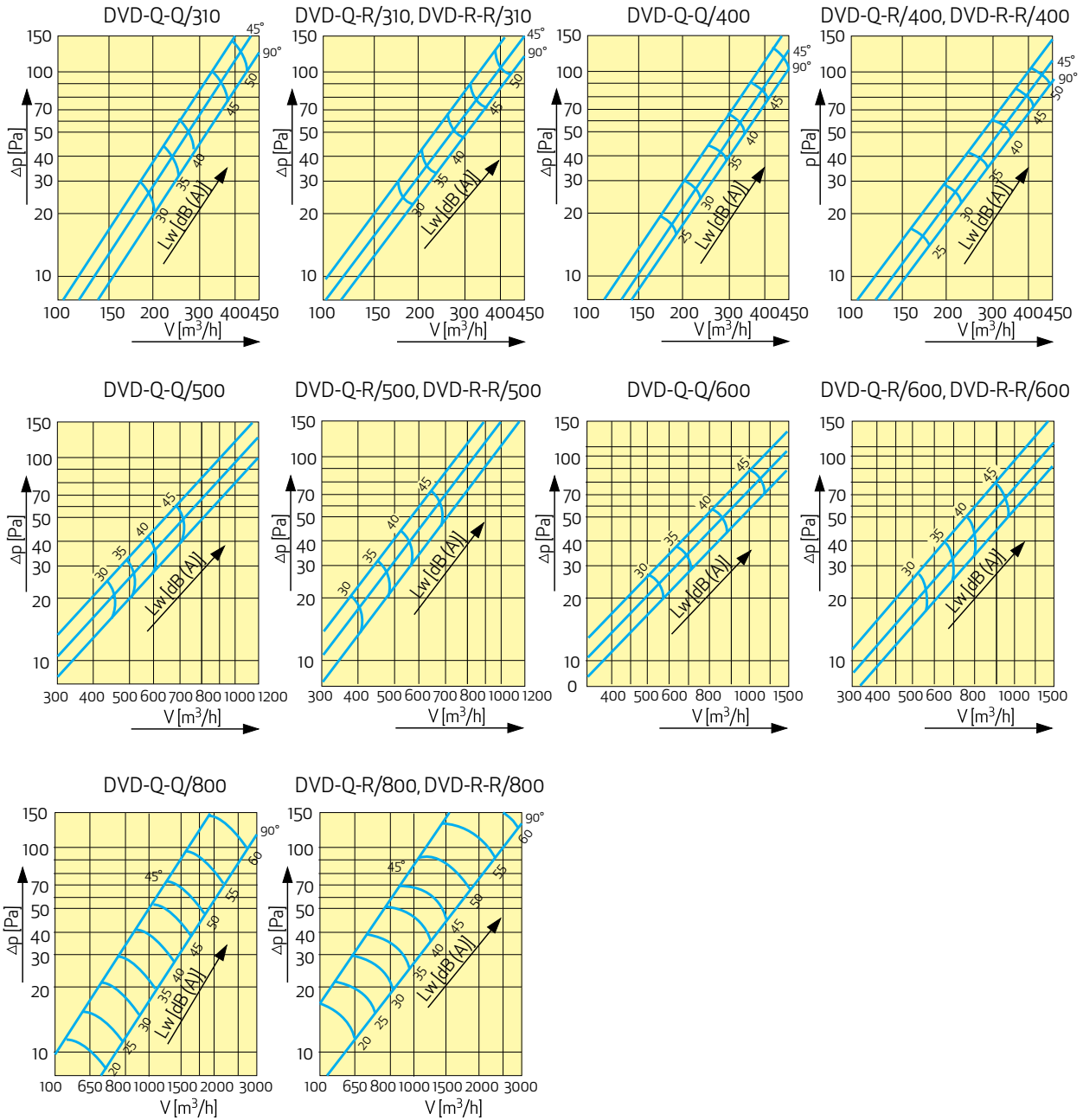


**DVD-Q-R/500  
DVD-R-R/500**





## B. Pressure drop and sound power level depending on blade position of the plenum and on type of connection - vertical or horizontal. (90° - open, 45° - half closed)



## Selection key

**DVD - Q - R - Z / 625**

