

# Circular swirl diffuser with fixed blades

## CWA-1



### Specifications

Circular swirl diffuser with 24 radial fixed blades.

Used for supply, exhaust or recirculation in ventilation systems.

### Material

Steel plate.

### Finish

Standard finish: white RAL9003.  
Optional finishing: different RAL (extra cost).

### Mounting / Fixing

Mounting on standard or cassette ceiling (inside).

Fixing in plenum box with crossbar **BW** (extra cost).

### Optional accessories

Plenum box – **PSW** (extra cost).  
Fixing systems.

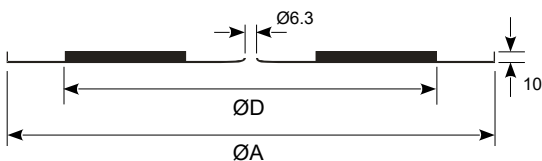
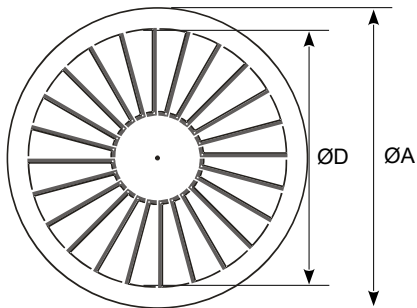
**Order code:**    **CWA-1**    **595**    + \*

Product code  
size

not specified - white RAL9003 (standard)  
RALxxxx - optional RAL code

\* optional accessories

### Technical data



### Standard sizes

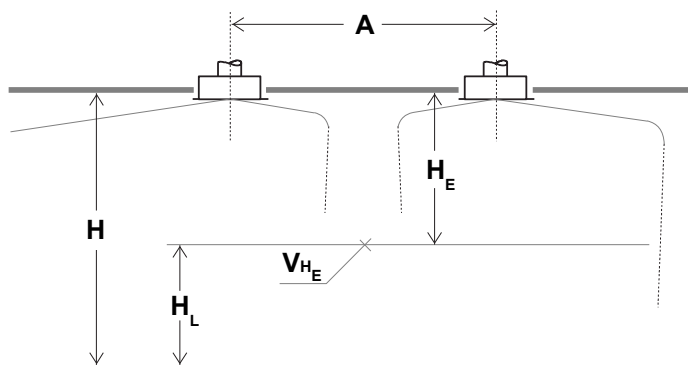
| Dimensions | no. of blades | ØA  | ØD  |
|------------|---------------|-----|-----|
| 625        | 24            | 625 | 560 |
| 595        | 24            | 595 | 530 |
| 500        | 24            | 500 | 430 |
| 400        | 24            | 400 | 340 |
| 300        | 24            | 300 | 240 |

There are no other sizes available.

## Circular swirl diffuser with fixed blades

# CWA-1

### Technical data



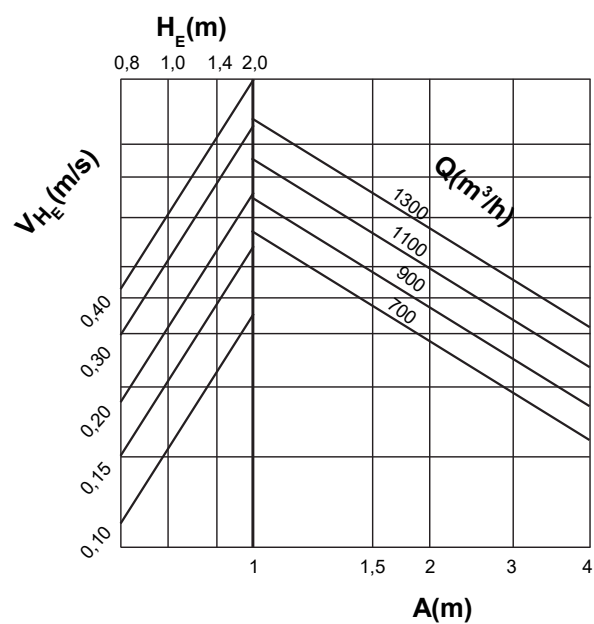
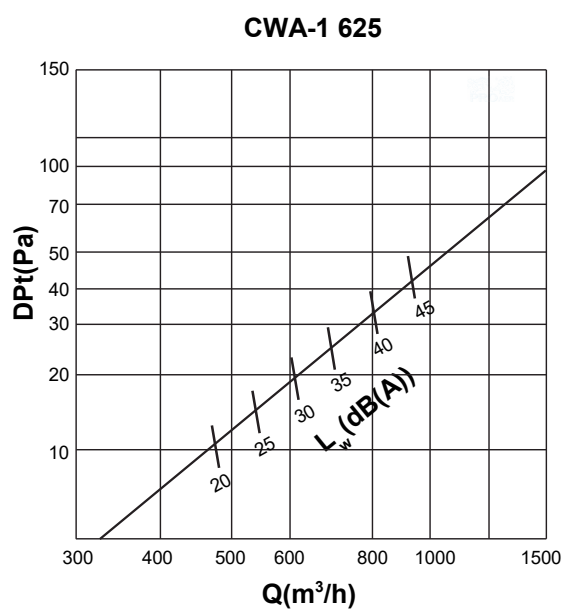
$H = 2,5\sim 4,0$  m (room height)

$H_L = 1,8$  m (occupied area)

$H_E = H - H_L$  (m)

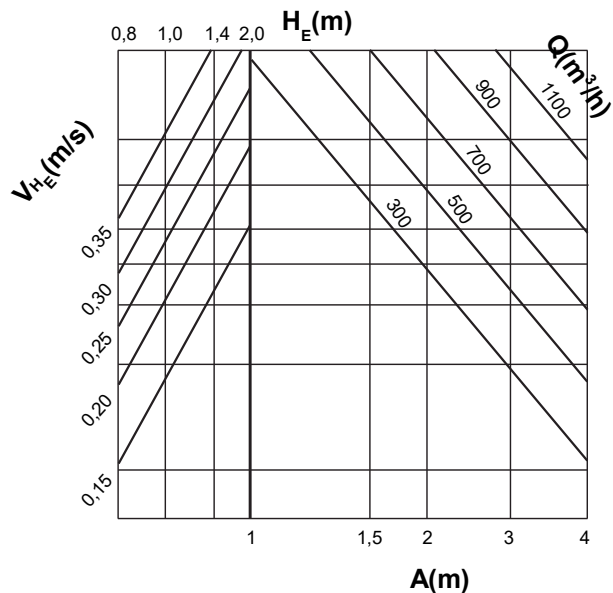
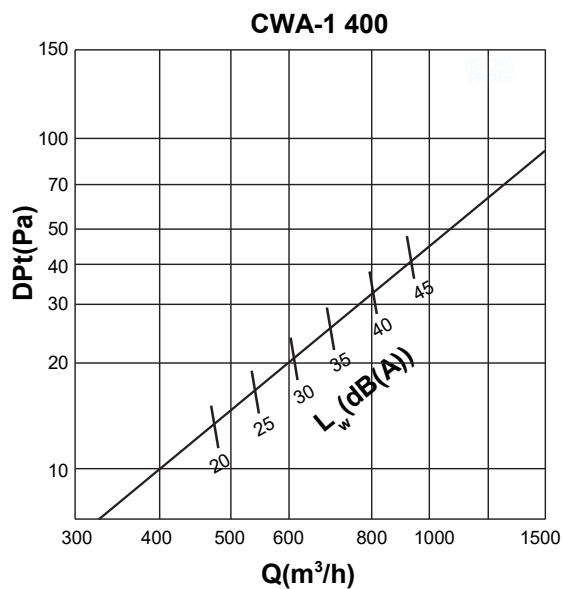
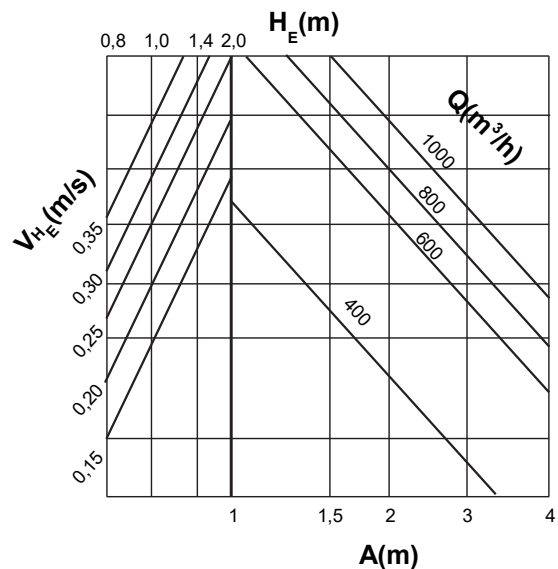
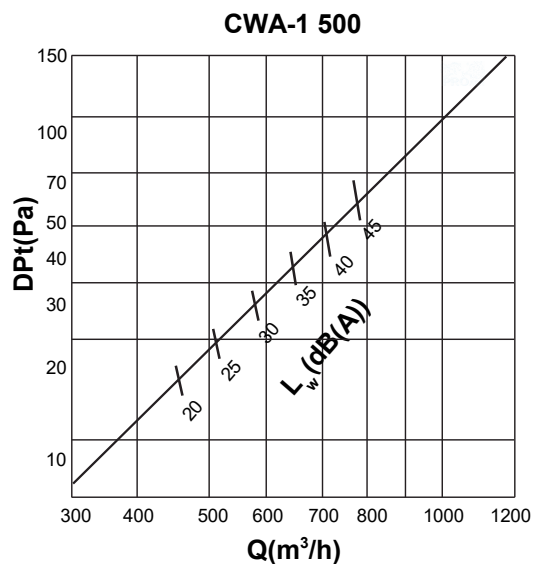
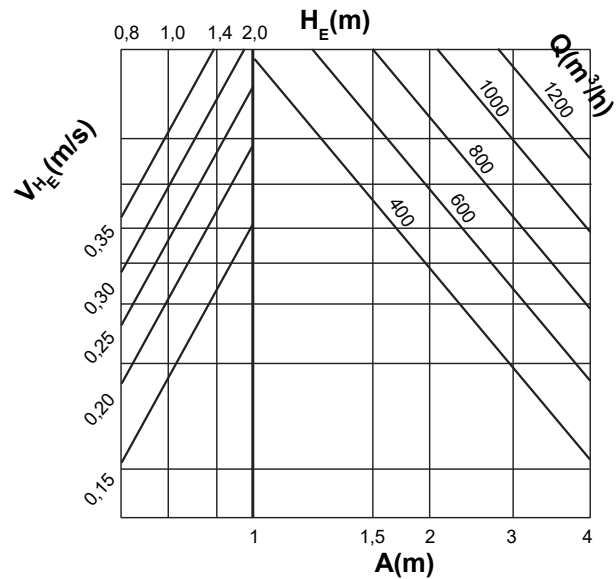
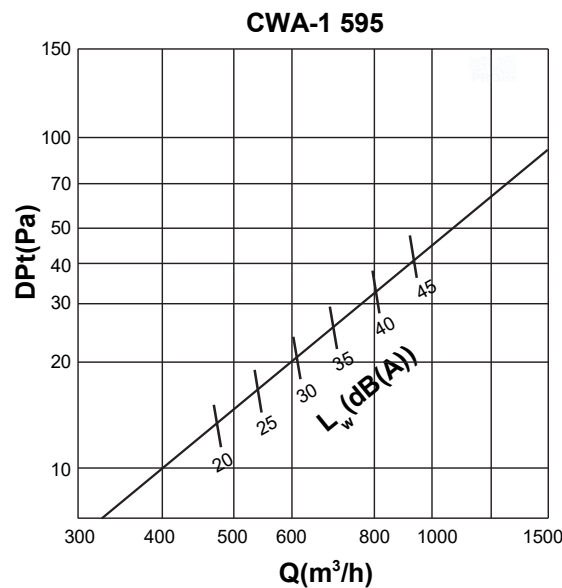
$A$  = distance (m)

$V_{H_E}$  = air velocity when entering in zone  $H_L$  (m/s)



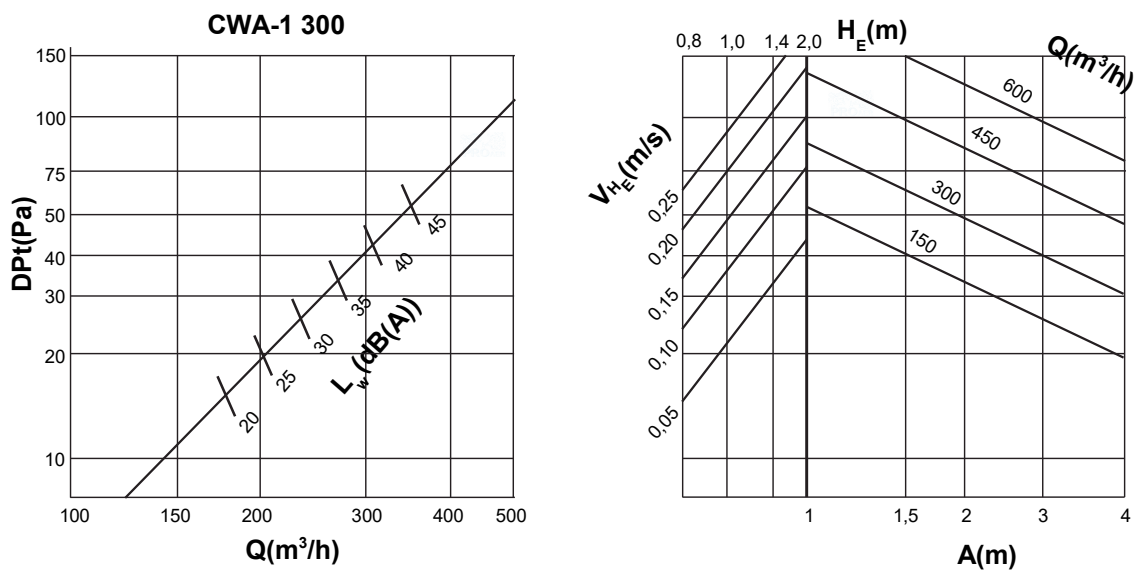
# Circular swirl diffuser with fixed blades

## CWA-1



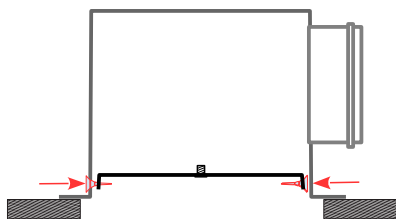
# Circular swirl diffuser with fixed blades

## CWA-1

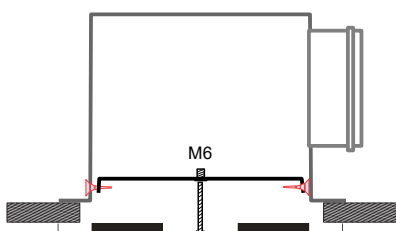


### Mounting

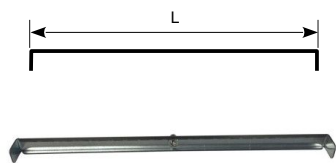
**Note:** Plenum box **PL** and crossbar **BW** are not included (extra cost).  
The crossbars are not delivered mounted in plenum box.



1. Adjust and mount the crossbar **BW** into the plenum box



2. Attach the diffuser with M6x80 screw to the crossbar



Crossbar **BW**

| CWA-1 | L   |
|-------|-----|
| 625   | 580 |
| 595   | 550 |
| 500   | 450 |
| 400   | 360 |
| 300   | 260 |