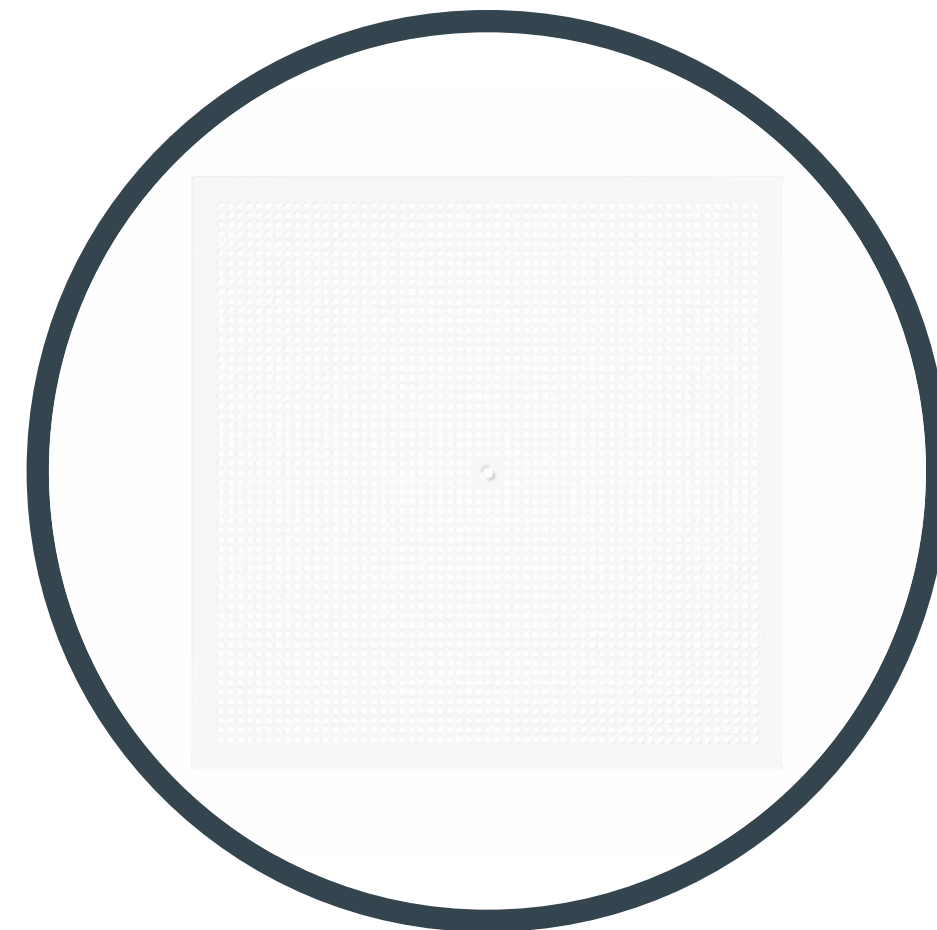
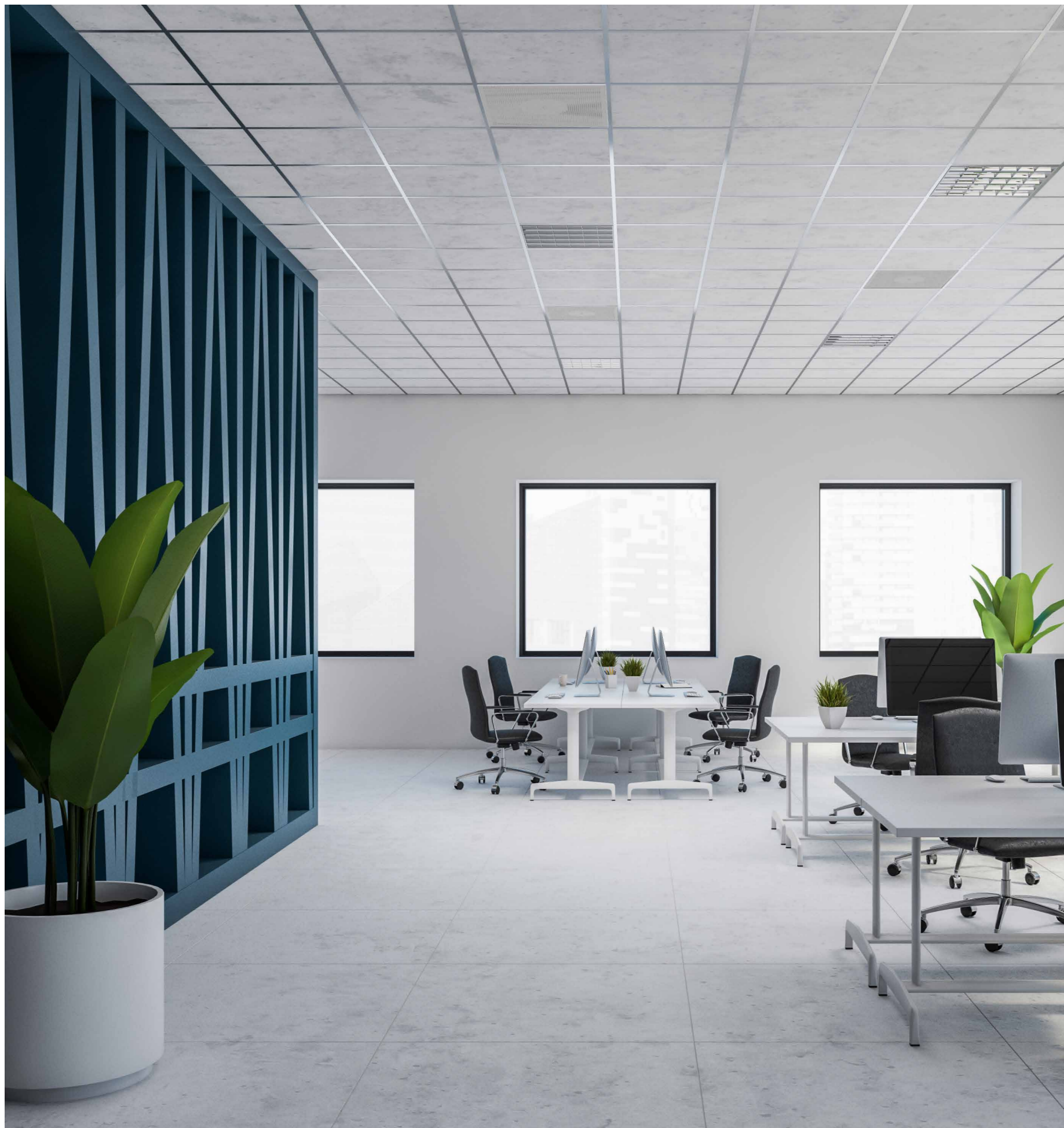




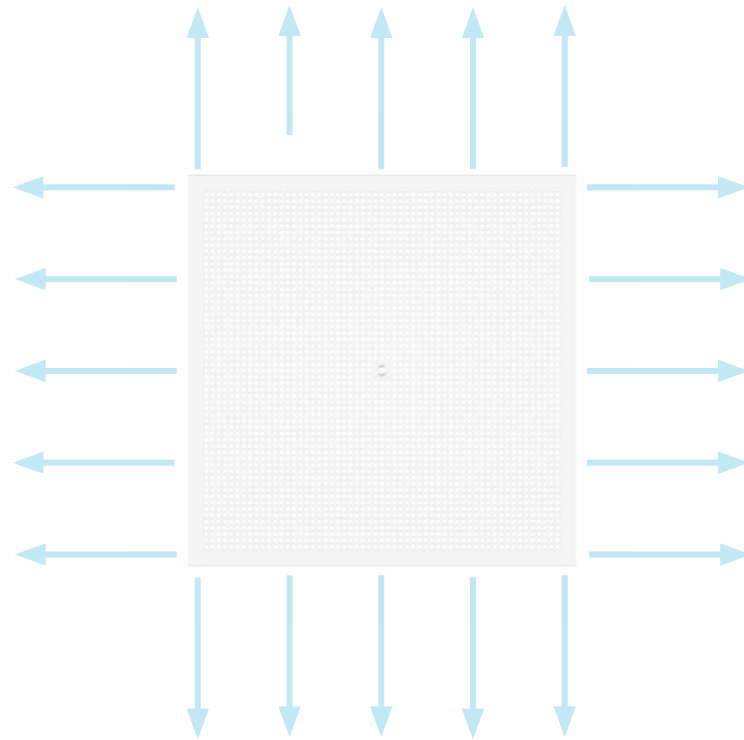
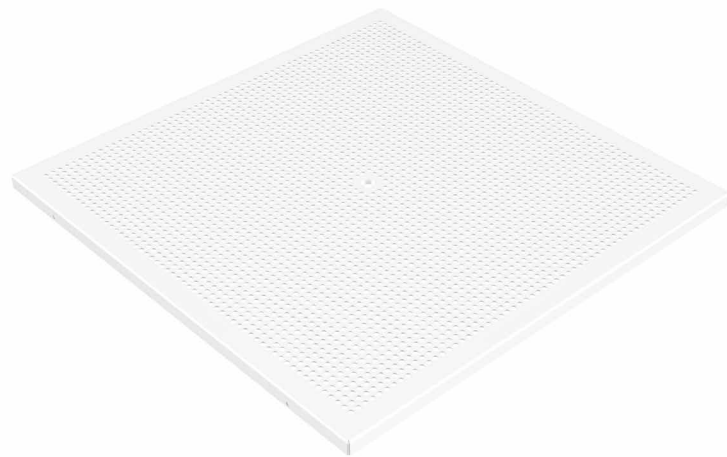
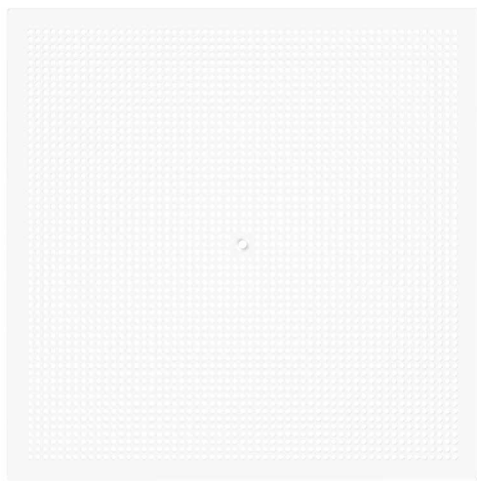
Product manual

Diffusers

DIP

Air distribution

Version 1.0.0
Date: 24.04.2025.



DIP-Q

- Ceiling diffuser for room heights from 2,3 to 4m.
 - Frame and blades made out of steel sheet, standard RAL 9010
 - Fixed frame and blades
 - Fixing with central screw
- Options

 - RAL...
 - Plenum box

▼ PRODUCT CALCULATION SOFTWARE

▼ ORDERING KEY

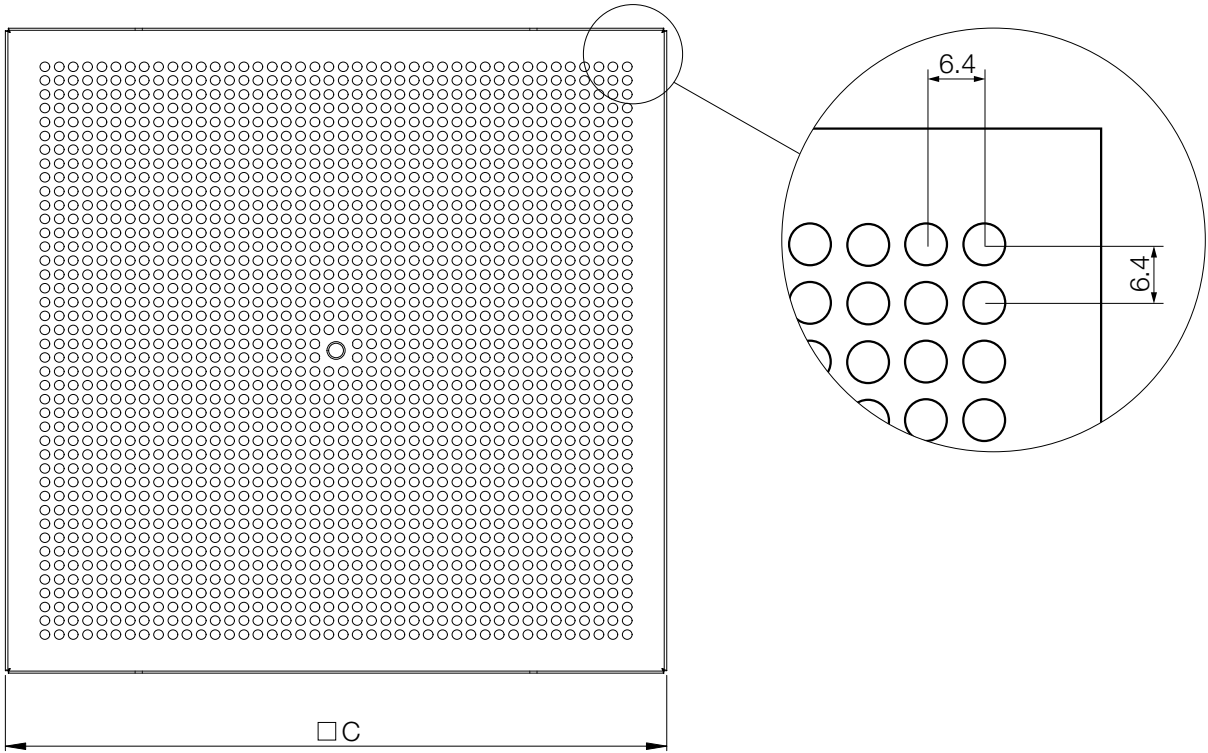
MODELS

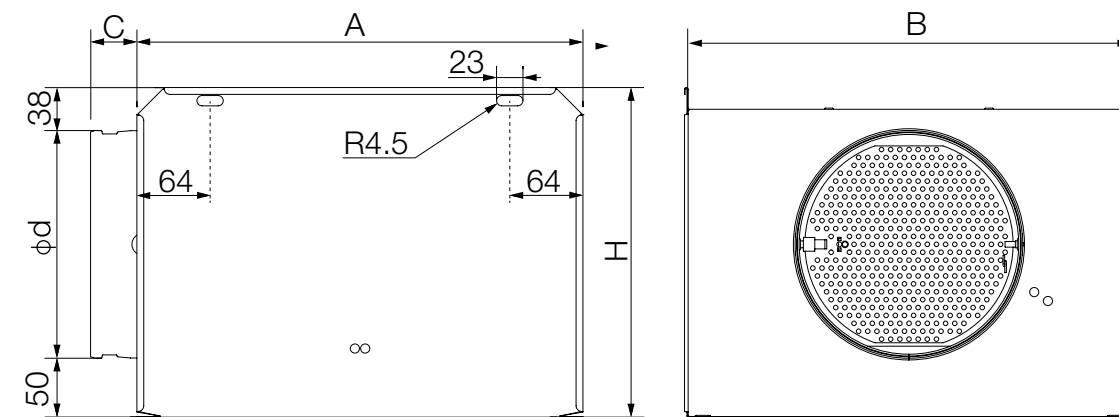
AIR DISTRIBUTION

Dimensions

DIP	C [mm]
300	295
400	395
500	495
600	595
625	620

Plenum box dimensions	PBQ
300	300
400	400
500	500
600	600
625	625





PBQ-H

- Square plenum box design
- Horizontal duct connection
- Vertical duct connection
- Fixing with a central screw
- Manual flow adjustment via cable mechanism
- Possible with 5mm internal insulation

Model	Ød	AxB	H	C
300	160	290 x 292,5	248	40,5
400	200	390 x 392,5	288	40,5
500	200	490 x 492,5	288	40,5
600	250	590 x 592,5	338	40,5
625	250	615 x 617,5	338	40,5



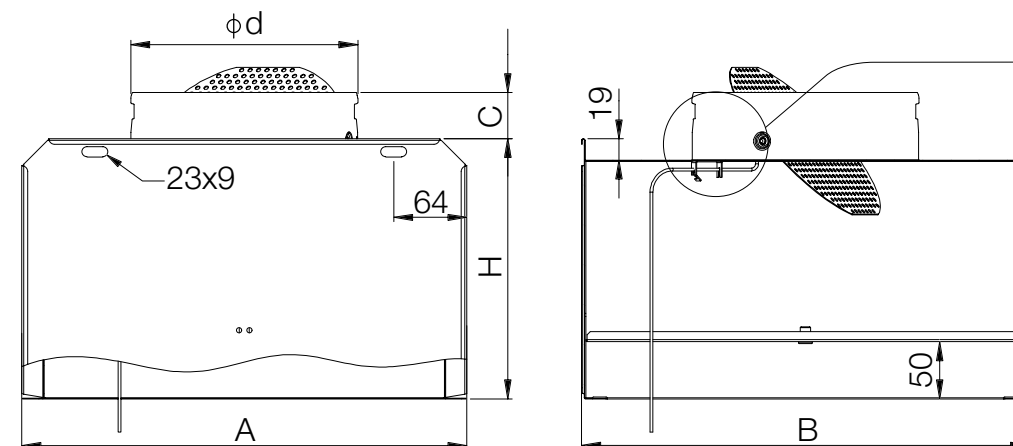
PRODUCT CALCULATION SOFTWARE



ORDERING KEY



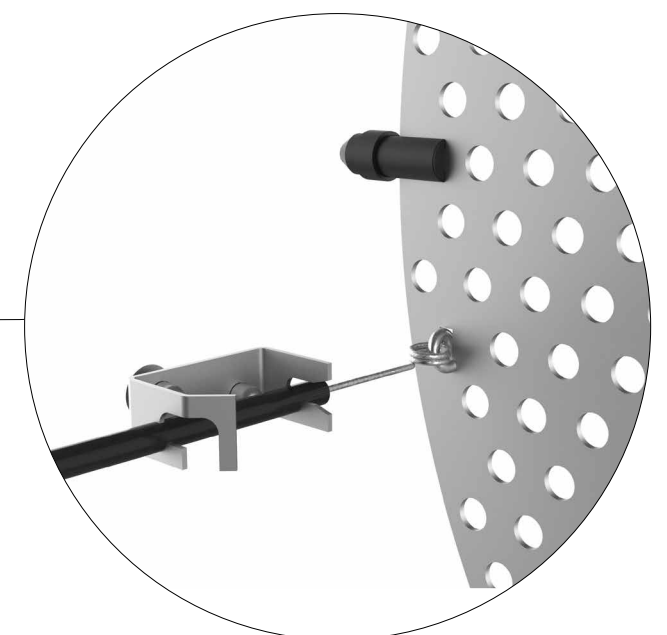
PLENUM BOXES



PBQ-V

- Square plenum box design
- Vertical duct connection
- Fixing with a central screw
- Manual flow adjustment via cable mechanism
- Possible with 5mm internal insulation

Model	Ød	AxB	H	C
300	160	290 x 292,5	228	40,5
400	200	390 x 392,5	228	40,5
500	200	490 x 492,5	228	40,5
600	250	590 x 592,5	228	40,5
625	250	615 x 617,5	228	40,5

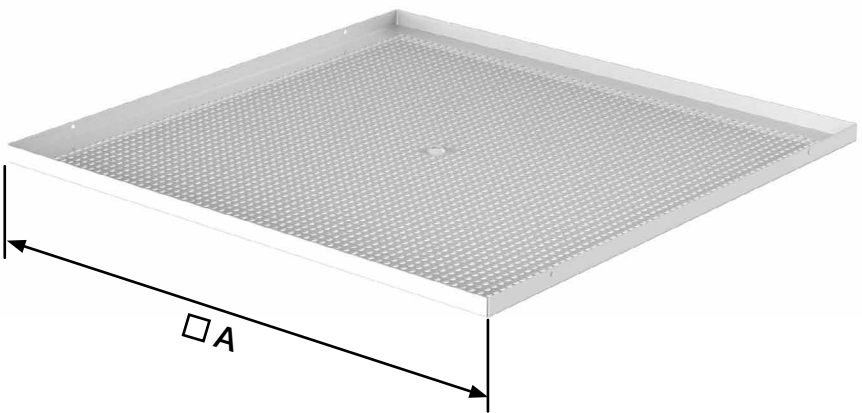


Ordering keys

PBQ-H / PBQ-V



Diffuser



- ▼ PRODUCT CALCULATION SOFTWARE
- ▼ ORDERING KEY

ORDERING KEYS

Ød-2 PBQ connection diameter
□A Nominal plate size

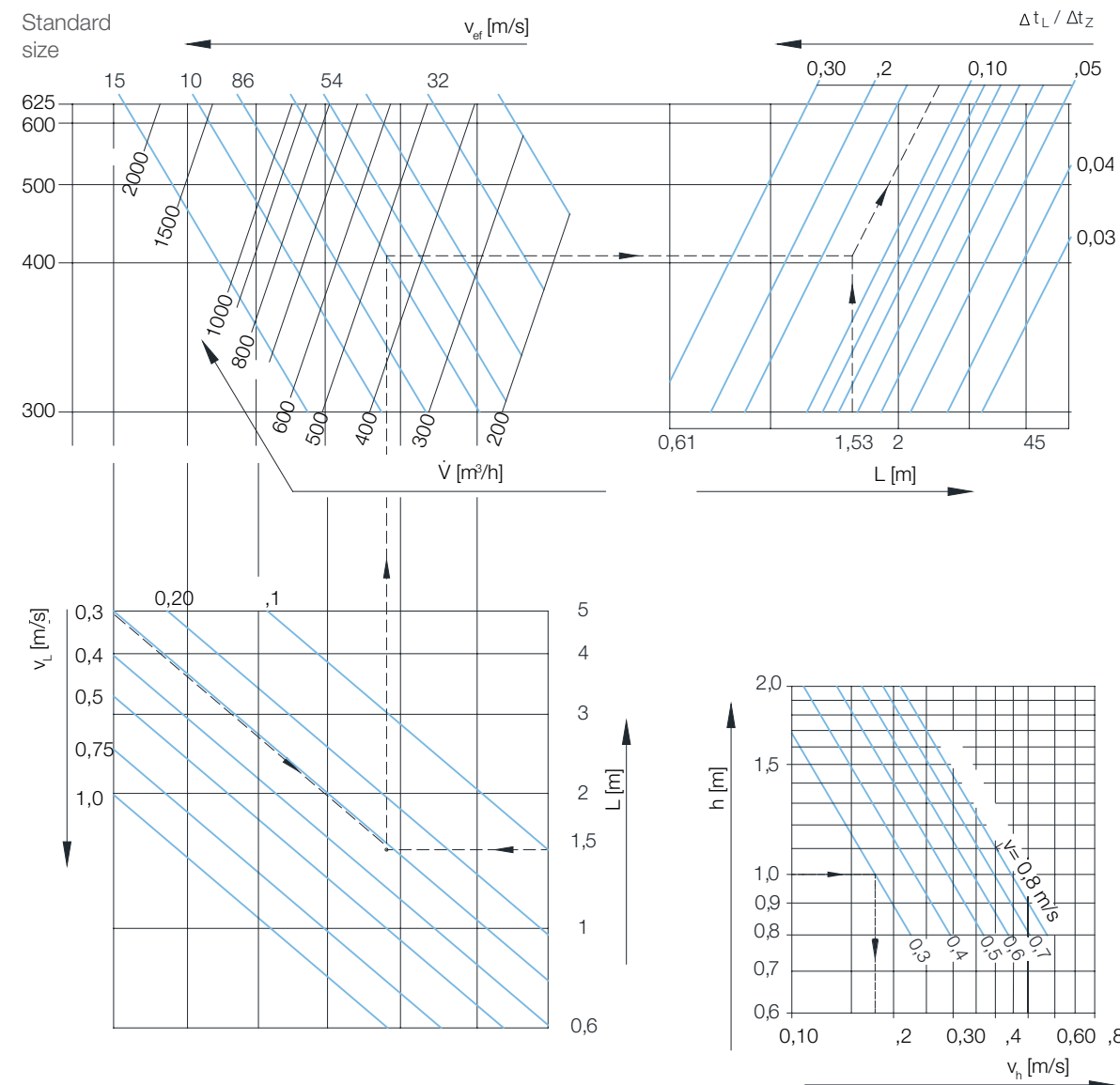
(1) Plenum box	(2) Size	(3) Insulation
PBQ-H	- 300	- Z

- (1) PBQ-H - Rectangular plenum box (horizontal duct connection)
PBQ-V - Rectangular plenum box (vertical duct connection)
- (2) Size 300, 400, 500, 600 i 625
- (3) Insulation: Z

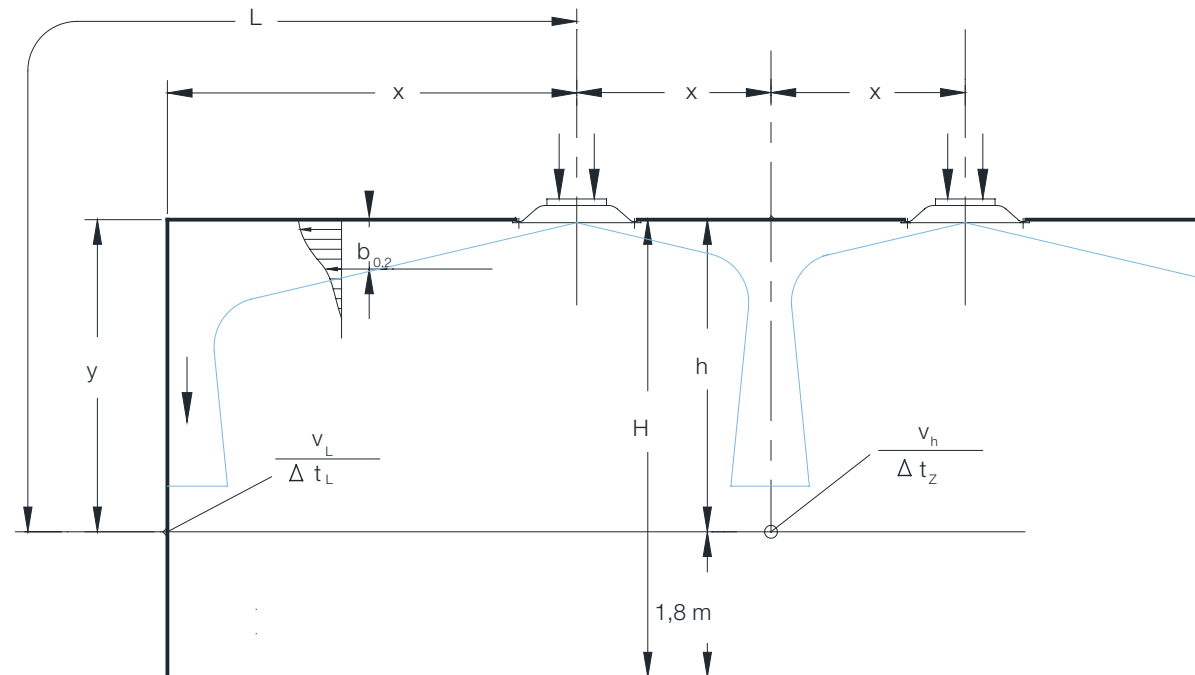
(1) Diffuser shape	(2) Size
DIP	- 300

- (1) DIP
- (2) 300, 400, 500, 600, 625
- (3) A - supply air
B - exhaust air

Selection diagram



Discharge diagram



Example

Given: DIP
 $V = 480\text{ m}^3/\text{h}$
 $H = 2,8\text{ m}$
 $L = 1,5\text{ m}$
 $v_L = 0,3\text{ m/s}$
 $\Delta t_z = 5^\circ\text{C}$
 The room has normal acoustic characteristics

Solution: DIP
 $v_{ef} = 6\text{ m/s}$
 Temperature ratio
 $\Delta t_L / \Delta t_z = 0,12$
 Temperature difference
 $\Delta t_L = 0,125 \cdot 5 = 0,6^\circ\text{C}$
 $v_h = 0,17\text{ m/s}$

- ▶ PRODUCT CALCULATION SOFTWARE
- ▶ ORDERING KEY

DIAGRAMS



AIR DISTRIBUTION

Images are for informational purposes only and may differ from the actual product.
Follow the latest versions of the catalog on the website.

📍 Gradna 78A, 10430 Samobor, Croatia
☎ +385 (0)1 33 62 513
✉ info@klimaoprema.com
🌐 www.klimaoprema.com