# EDE2S High Induction Swirl Diffuser

High induction swirl diffusers with adjustable aerodynamic profile deflectors



## Description

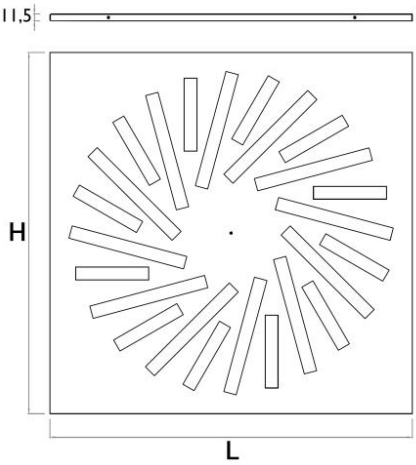
EDE2S - High induction swirl diffusers with adjustable deflectors on square panel.

## Features

Material: galvanized steel panel and ABS deflectors.

Finish:
- white RAL 9016 painted panel;
- black ABS deflectors.

Installation on plenum with lateral non-visible screws or with internal bracket in the plenum and central hole on the diffuser (screw and cap for installation with fixing bracket supplied with the diffuser).




## Use

Swirl diffuser suitable for installation in rooms with a height between 2.6 and i 4.1 m, both in heating and cooling mode.

## Accessories

- EPZ-EDE galvanized plenum box with damper and mounting bridge;
- EPZ-EDE-EQ galvanized plenum box with damper, equalizer and mounting bridge;
- EPI-EDE insulated galvanized plenum box with damper and fixing bracket;
- EPI-EDE-EQ insulated galvanized plenum box with damper, equalizer and mounting bridge.

## Special executions

Panel colour on request.

## Notes

The plenums available in stock are insulated, complete with damper, lateral connection and fixing kit.

## Diffuser dimensions:

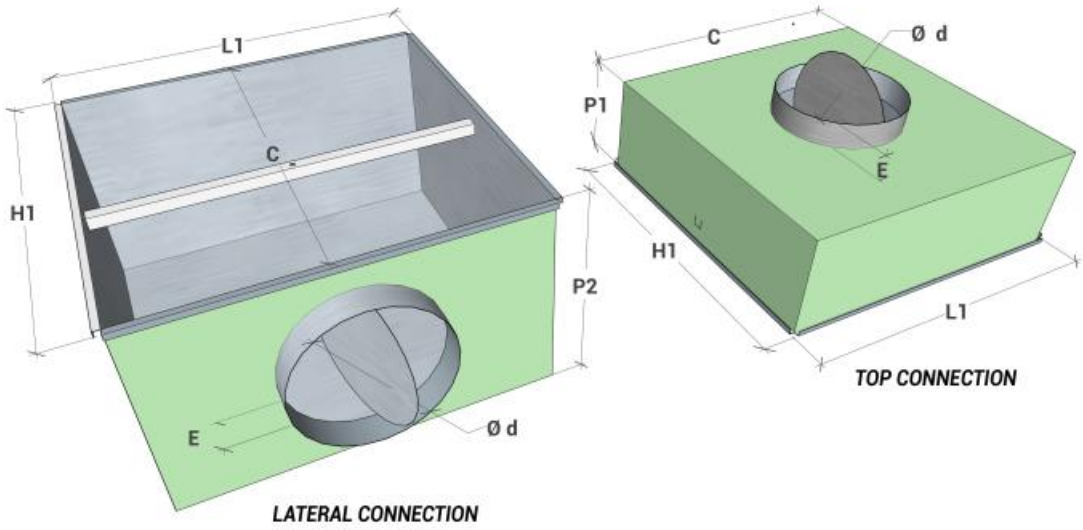
| model EDE2S | L x H (mm) |
|---|---|
| 600 | 595x595 |

## Operating data

Vk: effective speed (m/s)
$m^3/h$: flow rate
Pa: pressure drops in Pascal
L(m): air throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s
dB(A): noise level

| model | effective cross-section $m^2$ | Vk | 2 | 3 | 4 | 5 | 6 | number of deflectors |
|---|---|---|---|---|---|---|---|---|
| 600 | 0,0431 | $m^3/h$ | 310 | 465 | 620 | 775 | 930 | 24 |
| | | Pa | 3 | 7 | 14 | 24 | 38 | |
| | | L(m) | 1,8 | 2,6 | 3,5 | 4,4 | 5,3 | |
| noise level | | dB(A) | 20 | 25 | 30 | 35 | 40 | |

## Plenum box dimensions




All dimensions are expressed in mm

| model | External dimensions L1 x H1 | Ø d | P1 | P2 | C | E |
|---|---|---|---|---|---|---|
| 600 | 592x592 | 248 | 200 | 350 | 560 | 50 |

## Price list

| model | 600 |
|---|---|
| | euro |
| EDE2S | 131,88 |

## Price list for plenum box with lateral connection

For plenum box with top connection, price on request

| Model | Description | 600 |
|---|---|---|
| | | euro |
| EPZ-EDE | Galvanized plenum box with damper in spigot and mounting bridge | a.r. |
| EPZ-EDE-EQ | Galvanized plenum box with damper in spigot, equalizer and mounting bridge | a.r. |
| EPI-EDE | INSULATED Galvanized plenum box with damper in spigot and mounting bridge | a.r. |
| EPI-EDE-EQ | INSULATED Galvanized plenum box with damper in spigot, equalizer and mounting bridge | a.r. |