

# EDCC Circular diffusers with closed plate

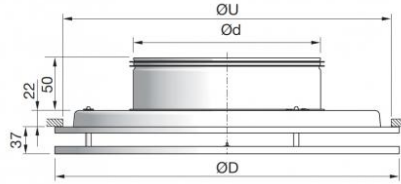


## Description

Circular diffusers for ceiling installation with closed front plate.

## Characteristics

Material: steel.  
Finish: painted white RAL 9010.  
Installation: by means of non-visible screws.



## Use

Thanks to its special construction, it is a very versatile diffuser.

Recommended for both supply and exhaust air. It can be supplied with various accessories that guarantee optimal diffuser operation.

## Accessories

- EPZ-DC galvanised plenum;
- EPI-DC insulated plenum;
- EDZ regulation damper;
- directional deflectors;
- mounting brackets;
- plate for false ceilings to install the diffuser on a modular false ceiling 600mm x 600mm.

## Dimensions

all dimensions are expressed in mm

| model | Ød<br>mm | ØD<br>mm | ØU (hole size)<br>mm | effective cross-section<br>m <sup>2</sup> | weight<br>Kg |
|-------|----------|----------|----------------------|---|--------------|
| 125   | 125      | 240      | 200                  | 0,011                                     | 0,8          |
| 160   | 160      | 300      | 260                  | 0,016                                     | 1,2          |
| 200   | 200      | 360      | 320                  | 0,023                                     | 1,7          |
| 250   | 250      | 460      | 420                  | 0,030                                     | 2,2          |
| 315   | 315      | 540      | 500                  | 0,037                                     | 3,2          |
| 400   | 400      | 540      | 500                  | 0,037                                     | 3,4          |

## Operating data

Vk: effective speed (m/s)

m<sup>3</sup>/h: flow rate

Pa: pressure drops in Pascal

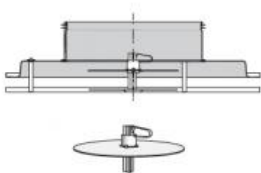
L(m): air throw in metres calculated on ceiling installation, terminal velocity 0.20 m/s

dB(A): noise level

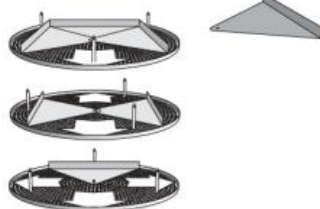
| model | Vk                | 2,5 | 3   | 3,5 | 4   | 5   | 6   | 7   |
|-------|-------------------|-----|-----|-----|-----|-----|-----|-----|
| 125   | m <sup>3</sup> /h | 99  | 119 | 139 | 158 | 198 | 238 | 277 |
|       | L(m)              | 1,8 | 2,3 | 2,5 | 2,8 | 3,4 | 4,1 | 4,6 |
|       | Pa                | 6   | 7   | 11  | 13  | 21  | 32  | 36  |
|       | dB(A)             | <20 | 22  | 27  | 30  | 36  | 42  | 43  |
| 160   | m <sup>3</sup> /h | 144 | 173 | 202 | 230 | 288 | 346 | 403 |
|       | L(m)              | 2   | 2,6 | 2,8 | 3,3 | 4   | 4,7 | 5,5 |
|       | Pa                | 4   | 5   | 9   | 11  | 17  | 27  | 33  |
|       | dB(A)             | <20 | <20 | <20 | 22  | 27  | 35  | 41  |
| 200   | m <sup>3</sup> /h | 207 | 248 | 290 | 331 | 414 | 497 | 580 |
|       | L(m)              | 2,3 | 2,8 | 3,3 | 3,7 | 4,4 | 5,3 | 6,1 |
|       | Pa                | 5   | 8   | 12  | 16  | 25  | 33  | 49  |
|       | dB(A)             | <20 | <20 | 23  | 27  | 33  | 39  | 47  |
| 250   | m <sup>3</sup> /h | 270 | 324 | 378 | 432 | 540 | 648 | 756 |
|       | L(m)              | 2,4 | 2,7 | 3,4 | 3,8 | 4,5 | 5,4 | 6,3 |
|       | Pa                | 5   | 8   | 10  | 13  | 21  | 30  | 47  |
|       | dB(A)             | <20 | 22  | 26  | 29  | 37  | 42  | 48  |
| 315   | m <sup>3</sup> /h | 333 | 400 | 466 | 533 | 666 | 799 | 932 |
|       | L(m)              | 2,4 | 2,8 | 3,3 | 3,8 | 4,8 | 5,5 | 6,3 |
|       | Pa                | 5   | 9   | 13  | 17  | 25  | 35  | 47  |
|       | dB(A)             | <20 | <20 | 22  | 27  | 34  | 40  | 45  |
| 400   | m <sup>3</sup> /h | 333 | 400 | 466 | 533 | 666 | 799 | 932 |
|       | L(m)              | 2,1 | 2,4 | 2,7 | 3,1 | 3,9 | 4,5 | 5,3 |
|       | Pa                | 5   | 7   | 10  | 13  | 19  | 28  | 38  |
|       | dB(A)             | <20 | <20 | <20 | <20 | 25  | 32  | 37  |

## Accessories

### Regulation damper



### Deflector (set)

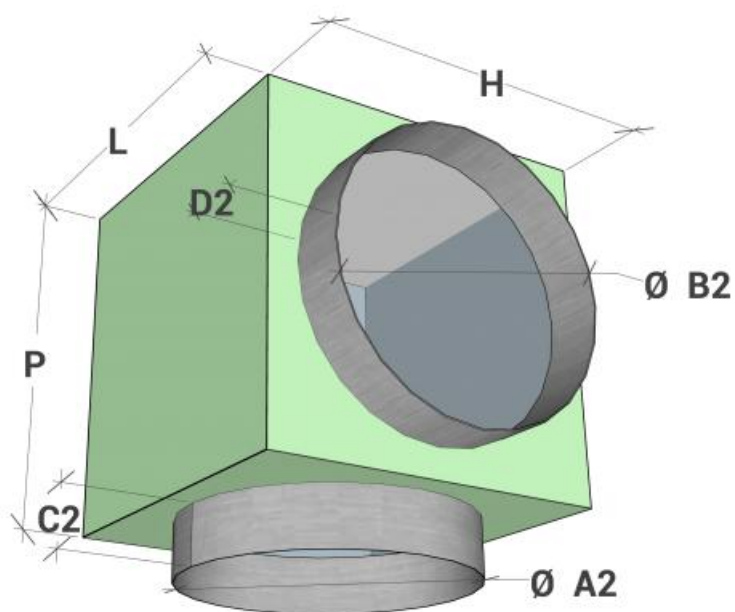


### Assembly fabrics



### Modular plate for false ceilings





All measurements are expressed in mm.

| model | L   | H   | P   | ØA2 Diffuser | ØB2 duct - flexible or rigid | C2 | D2  |
|-------|-----|-----|-----|--------------|------------------------------|----|-----|
| 125   | 200 | 200 | 200 | 127          | 125                          | 70 | 100 |
| 160   | 250 | 250 | 250 | 162          | 155                          | 70 | 100 |
| 200   | 300 | 300 | 300 | 202          | 195                          | 70 | 100 |
| 250   | 350 | 350 | 350 | 252          | 245                          | 70 | 100 |
| 315   | 400 | 400 | 400 | 317          | 310                          | 70 | 100 |
| 400   | 500 | 500 | 500 | 402          | 395                          | 70 | 100 |

### Price list

Item normally available from stock

| model | diffuser EDCC | EDZ regulation damper | Deflectors | Mounting brackets | Plate for false ceilings | Galvanised plenum | Insulated plenum |
|-------|---------------|-----------------------|------------|-------------------|--------------------------|-------------------|------------------|
|       | euro          | euro                  | euro       | euro              | euro                     | EPZ-DC            | EPI-DC           |
|       | euro          | euro                  | euro       | euro              | euro                     | euro              | euro             |
| 125   | ✓             | ✓                     | ✓          | ✓                 | ✓                        | ✓                 | ✓                |
| 160   | ✓             | ✓                     | ✓          | ✓                 | ✓                        | ✓                 | ✓                |
| 200   | ✓             | ✓                     | ✓          | ✓                 | ✓                        | ✓                 | ✓                |
| 250   | ✓             | ✓                     | ✓          | ✓                 | ✓                        | ✓                 | ✓                |
| 315   | ✓             | ✓                     | ✓          | ✓                 | ✓                        | ✓                 | ✓                |
| 400   | ✓             | ✓                     | ✓          | ✓                 | ✓                        | ✓                 | ✓                |