

# EDU-LFS Long range nozzle diffusers with damper and connection for circular or flexible duct



## Description

Long range aluminium diffusers, adjustable with a max. angle of 30°.

## Use

Installation in rooms with very high ceilings or where a long air throw is needed.

## Characteristics

Material: aluminium.  
Finish: satin aluminium.  
Installation: con wall flange.  
Installation height between 3 m and 30 m depending on the model.

## Dimensions

All dimensions are expressed in mm.

| Technical Drawing | Models | Effective Cross-Section (m2) | Ø DN | Ø DN1 | Ø A | Ø B | Ø C | Ø F | L1  | E   | P  |
|-------------------|--------|------------------------------|------|-------|-----|-----|-----|-----|-----|-----|----|
|                   | 80     | 0,0050                       | 160  | 80    | 158 | 206 | 249 | 226 | 170 | 100 | 50 |
|                   | 150    | 0,0177                       | 300  | 150   | 298 | 346 | 389 | 366 | 262 | 172 | 50 |
|                   | 200    | 0,0314                       | 400  | 200   | 398 | 446 | 489 | 466 | 335 | 225 | 50 |
|                   | 230    | 0,0415                       | 400  | 230   | 398 | 446 | 489 | 466 | 325 | 215 | 50 |
|                   | 250    | 0,0490                       | 400  | 250   | 398 | 446 | 489 | 466 | 320 | 207 | 50 |
|                   | 300    | 0,0710                       | 400  | 300   | 398 | 446 | 489 | 466 | 298 | 184 | 50 |

# Operating data

- V<sub>k</sub>: effective speed (m/s).
- m³/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.

| Models | V <sub>k</sub> (m/s) | 2    | 4    | 6    | 8    | 10   |
|--------|----------------------|------|------|------|------|------|
| 80     | m³/h                 | 36   | 72   | 108  | 135  | 168  |
|        | L(m)                 | 4,0  | 8,0  | 12,0 | 15,0 | 19,0 |
|        | Pa                   | 2,0  | 10   | 22   | 36   | 57   |
|        | dB(A)                | <20  | <20  | <20  | 22   | 29   |
| 150    | m³/h                 | 127  | 254  | 382  | 509  | 637  |
|        | L(m)                 | 6,0  | 12,0 | 19,0 | 25,0 | 32,0 |
|        | Pa                   | 2    | 8    | 19   | 34   | 55   |
|        | dB(A)                | <20  | <20  | 21   | 29   | 37   |
| 200    | m³/h                 | 226  | 452  | 678  | 904  | 1130 |
|        | L(m)                 | 8,0  | 17,0 | 25,0 | 34,0 | 42,0 |
|        | Pa                   | 2    | 8    | 19   | 34   | 55   |
|        | dB(A)                | <20  | <20  | 20   | 28   | 35   |
| 230    | m³/h                 | 298  | 597  | 896  | 1195 | 1494 |
|        | L(m)                 | 9,0  | 20,0 | 29,0 | 39,0 | 45,0 |
|        | Pa                   | 2    | 8    | 19   | 34   | 55   |
|        | dB(A)                | <20  | <20  | 21   | 28   | 35   |
| 250    | m³/h                 | 353  | 707  | 1060 | 1413 | 1766 |
|        | L(m)                 | 10,0 | 21,0 | 31,0 | 42,0 | 48,0 |
|        | Pa                   | 2    | 8    | 19   | 34   | 55   |
|        | dB(A)                | <20  | <20  | 24   | 31   | 36   |
| 300    | m³/h                 | 509  | 1017 | 1526 | 2035 | 2543 |
|        | L(m)                 | 13,0 | 25,0 | 36,0 | 44,0 | 51,0 |
|        | Pa                   | 2    | 8    | 19   | 34   | 55   |
|        | dB(A)                | <20  | <20  | 23   | 30   | 35   |

Price List

| Models | EDU-LFS |
|--------|---------|
|        | Eur     |
| 80     | -       |
| 150    | -       |
| 200    | -       |
| 230    | -       |
| 250    | -       |
| 300    | -       |