# EDUB Long range nozzle diffusers

## Description

Aluminlum long range nozzles, manually adjustable with a limited angle of 30°.

## Use

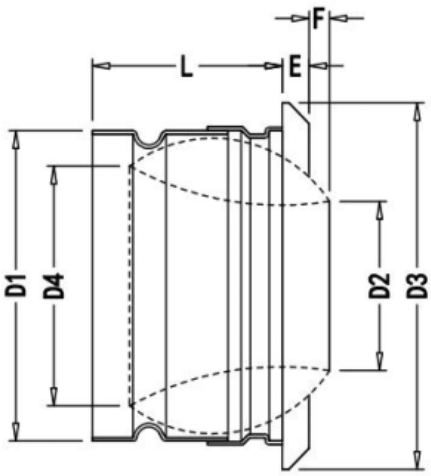
Suitable for high ceilings environments or where a long and targeted air throw it's needed.

## Characteristics

Material: aluminium.
Finish: painted RAL9016.
Installation: with duct flange, with flexible hose connection or with circular rigid duct connection.
Installation height between 3 m and 30 m depending on the model.

## diimensions

All dimensions are espressed in mm.

| Technical Drawing | Model | Ø D1 | Ø D2 | Ø D3 | Ø D4 | L | E | F |
|---|---|---|---|---|---|---|---|---|
|  | 50 | 99 | 49 | 150 | 61 | 67 | 22 | 0 |
| | 60 | 124 | 61 | 170 | 83 | 78 | 20 | 4 |
| | 80 | 160 | 76 | 201 | 94 | 97 | 23 | 0 |
| | 100 | 199 | 106 | 266 | 144 | 116 | 27 | 3 |
| | 125 | 248 | 128 | 311 | 176 | 145 | 30 | 8 |
| | 180 | 313 | 180 | 381 | 237 | 175 | 30 | 22 |
| | 200 | 349 | 196 | 411 | 272 | 204 | 30 | 29 |
| | 220 | 398 | 220 | 468 | 312 | 203 | 33 | 38 |
| | 280 | 449 | 275 | 522 | 368 | 220 | 41 | 28 |

## Operating Data

- Vk: effective speed (m/s).
- m³/h: air flow.
- Pa: pressure drop in Pascal.
- L(m): air throw in meters calculated on ceiling installation, terminal velocity 0.25 m/s.
- dB(A): noise level.

| Model | Effective Cross-Section (m2) | Vk (m/s) | 2 | 4 | 6 | 8 | 10 | 12 |
|---|---|---|---|---|---|---|---|---|
| 50 | 0,00188 | m³/h | 14 | 27 | 41 | 54 | 68 | 81 |
| | | L(m) | 2,3 | 8,0 | 11,8 | 14,3 | 16,3 | 17,9 |
| | | Pa | 2,8 | 10,0 | 23,0 | 40,0 | 64,0 | 90,0 |
| | | dB(A) | <20 | <20 | <20 | <20 | <20 | 22,0 |
| 60 | 0,00292 | m³/h | 21 | 42 | 63 | 84 | 105 | 126 |
| | | L(m) | 4,2 | 10,7 | 14,6 | 17,3 | 19,4 | 21,2 |
| | | Pa | 2,6 | 10,0 | 23,0 | 40,0 | 63,0 | 91 |
| | | dB(A) | <20 | <20 | <20 | <20 | <20 | 24 |
| 80 | 0,00453 | m³/h | 33 | 65 | 98 | 131 | 163 | 196 |
| | | L(m) | 6,5 | 13,0 | 17,0 | 19,9 | 22,0 | 23,8 |
| | | Pa | 2,7 | 10,0 | 23,0 | 41,0 | 63,0 | 91 |
| | | dB(A) | <20 | <20 | <20 | <20 | 22,0 | 27 |
| 100 | 0,00882 | m³/h | 64 | 127 | 191 | 254 | 318 | 381 |
| | | L(m) | 9,3 | 15,8 | 19,7 | 22,4 | 24,5 | 26,2 |
| | | Pa | 2,6 | 10,0 | 23,0 | 40,0 | 63,0 | 91 |
| | | dB(A) | <20 | <20 | <20 | 22,0 | 27,0 | 32 |
| 125 | 0,01286 | m³/h | 93 | 185 | 278 | 370 | 463 | 556 |
| | | L(m) | 10,6 | 16,9 | 20,6 | 23,2 | 25,3 | 26,9 |
| | | Pa | 2,6 | 10,0 | 23,0 | 40,0 | 63,0 | 91 |
| | | dB(A) | <20 | <20 | <20 | 23,0 | 29,0 | 33 |
| 180 | 0,02543 | m³/h | 183 | 366 | 549 | 732 | 916 | 1099 |
| | | L(m) | 13,0 | 19,0 | 22,6 | 25,0 | 27,0 | 28,7 |
| | | Pa | 2,6 | 10,0 | 23,0 | 40,0 | 63,0 | 91 |
| | | dB(A) | <20 | <20 | <20 | <20 | 26,0 | 31 |
| 200 | 0,03016 | m³/h | 217 | 434 | 651 | 869 | 1086 | 1303 |
| | | L(m) | 13,8 | 20,0 | 23,5 | 26,0 | 28,0 | 29,7 |
| | | Pa | 2,6 | 10,0 | 23,0 | 40,0 | 63,0 | 90 |
| | | dB(A) | <20 | <20 | <20 | <20 | 26,0 | 32 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 220 | 0,03799 | m³/h | 274 | 547 | 821 | 1094 | 1368 | 1641 |
| | | L(m) | 15,5 | 21,9 | 25,6 | 28,3 | 30,4 | 32 |
| | | Pa | 2,6 | 10,0 | 23,0 | 40,0 | 63,0 | 90 |
| | | dB(A) | <20 | <20 | 20,0 | 29,0 | 36,0 | 41 |
| 280 | 0,05937 | m³/h | 427 | 855 | 1282 | 1710 | 2137 | 2565 |
| | | L(m) | 23,9 | 32,6 | 37,8 | 41,4 | 44,2 | 46,5 |
| | | Pa | 2,6 | 10,0 | 23,0 | 40,0 | 63,0 | 90 |
| | | dB(A) | <20 | <20 | <20 | 25,0 | 33,0 | 40 |

## Price list

| Model | € |
|---|---|
| 50 | 44,24 |
| 60 | 58,78 |
| 80 | 78,44 |
| 100 | 98,59 |
| 125 | 121,06 |
| 180 | 169,79 |
| 200 | 196,32 |
| 220 | 221,69 |
| 280 | 273,51 |