

DAI



High-induction circular diffuser

Product description

High-induction circular diffuser, for mixing primary air and inducted ambient air. KOOLAIR, model **DAI**, size _ mm (neck's connection diameter). Made in aluminium. Finished in any RAL colour upon request. Recommended installation height between 2.5 and 3 m.

Other models

DAI-Q. Circular high induction diffuser integrated in a plate of 595x595, to be installed in a modular false ceiling (up to size 315).



Mounting

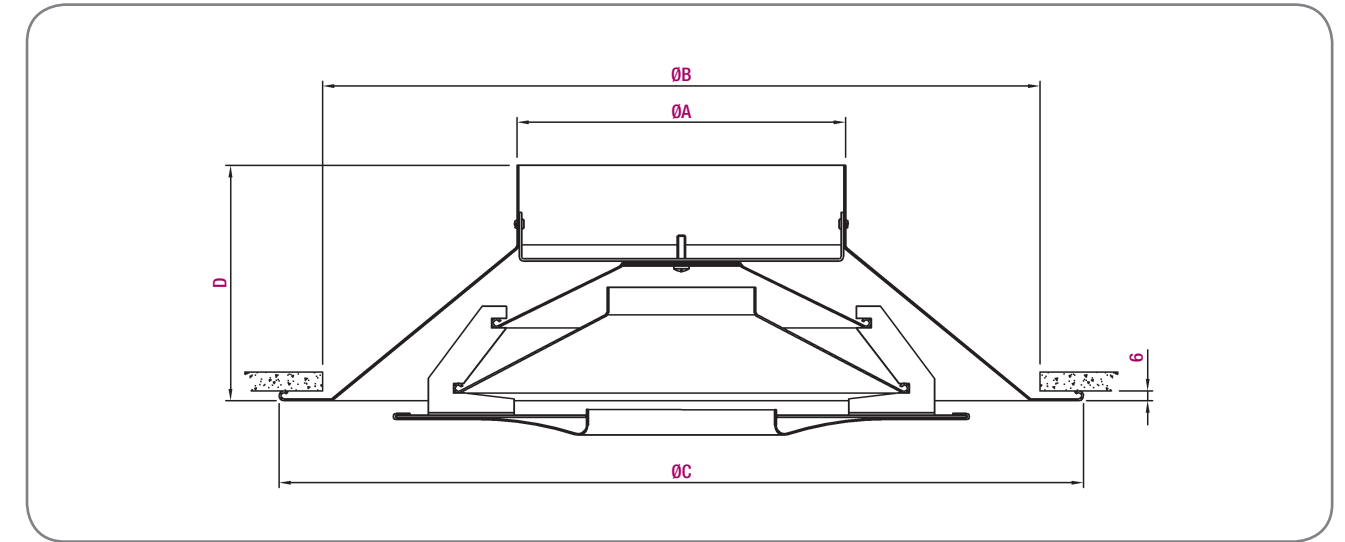
SMAI. High-induction mounting system, with volume control damper.

49CMM. Mounting neck with volume control damper.

PCS. Top connection circular plenum in galvanized steel sheet. (-A. internally insulated)

PCL. Lateral connection circular plenum in galvanized steel sheet. (-A. internally insulated)

General dimensions

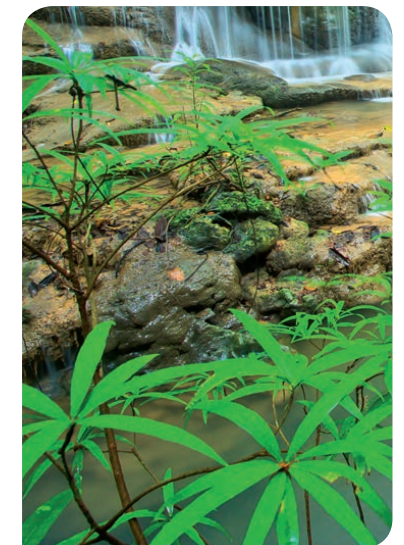


| Diffuser | A | B | C | D |
|----------|-----|-----|-----|-----|
| 160 | 159 | 358 | 418 | 133 |
| 200 | 199 | 428 | 486 | 141 |
| 250 | 249 | 520 | 579 | 158 |
| 315 | 314 | 567 | 625 | 153 |
| 355 | 354 | 637 | 696 | 164 |

Unit mm

Selection table

| Dimension | Q (m³/h) | L _{wa} [dB(A)] | ΔP _t (Pa) | X (m) |
|-----------|----------|-------------------------|----------------------|-------|
| 160 | 140 | 24 | 10 | 0.9 |
| | 190 | 32 | 18 | 1.2 |
| | 240 | 40 | 28 | 1.6 |
| 200 | 250 | 24 | 12 | 1.4 |
| | 330 | 32 | 21 | 1.8 |
| | 420 | 40 | 34 | 2.3 |
| 250 | 400 | 24 | 13 | 1.9 |
| | 510 | 32 | 21 | 2.5 |
| | 660 | 40 | 35 | 3.2 |
| 315 | 590 | 24 | 12 | 2.5 |
| | 760 | 32 | 20 | 3.3 |
| | 970 | 40 | 22 | 4.0 |
| 355 | 700 | 24 | 11 | 2.9 |
| | 900 | 32 | 19 | 3.7 |
| | 1150 | 40 | 30 | 4.7 |



LEGEND

Q (m³/h): Air flow.
 L_{wa} [dB(A)]: Sound power level.
 ΔP_t (Pa): Total pressure loss.
 X (m): Throw for a maximum velocity of 0.25 m/s at the occupied zone
 ΔT = -10 °C (cold), installed at a height of 3 m.