



Fixed blade swirl diffuser

Product description

Fixed blade swirl diffuser KOOLAIR model **DFRT**, size _x_ integrated into a plate 595x595, incorporate connection plenum box made in galvanised steel, with volume control damper on the spigot. Finished in any RAL colour upon request.

Other models

DFRT-Q. Fixed blade swirl diffuser integrated into a plate 595x595 mm, for tile replacement.

DFRT-C. Fixed blade swirl diffuser integrated into a circular plate.

Mounting

PCDL-RE. Removable plenum box with side connection, internally non-insulated, made in galvanised steel sheet, with manual damper accessible from false ceiling.

PCDL-A-RE. Removable plenum box with side connection, internally insulated, made in galvanised steel sheet, with manual damper accessible from false ceiling.

PCDL-RL. Removable plenum box with side connection, internally non-insulated, made in galvanised steel sheet, with manual damper accessible from room.

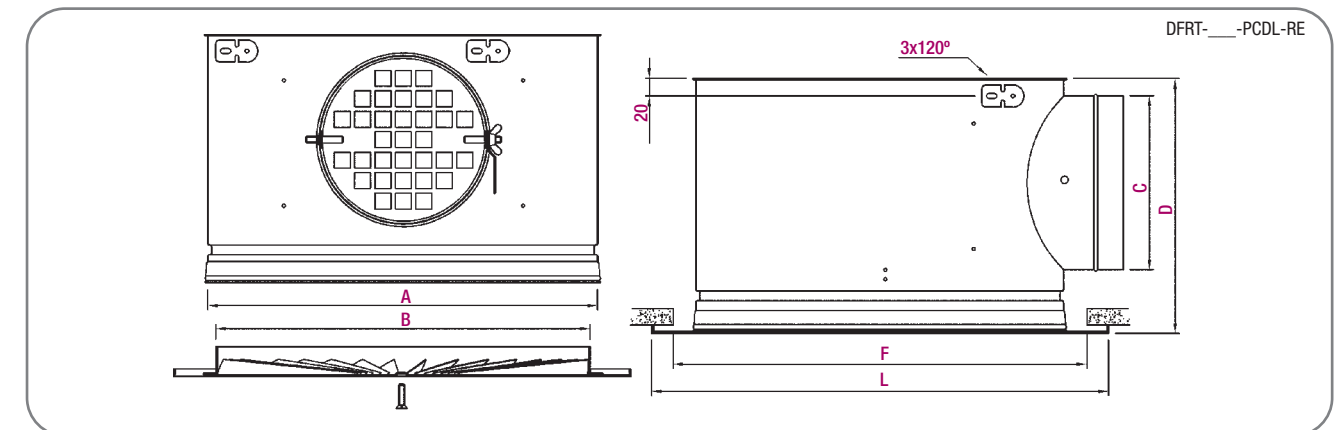
PCDL-A-RL. Removable plenum box with side connection, internally insulated, made in galvanised steel sheet, with manual damper accessible from room.

RPM. Damper equipped to allow motorization.

PM. Mounting bridge. To be used when installation is without a plenum.

Note: On request, top plenum available insulated/ uninsulated (PDS-A-RE/PDS-RE).

General dimensions



Custom plenums available to suit reduced heights above false ceilings.

| Model | L | A | B | C | D | F |
|-------|-----|-----|-----|-----|-----|-----|
| 300 | 298 | 273 | 260 | 159 | 230 | 283 |
| 325 | 323 | 304 | 291 | 159 | 230 | 314 |
| 400 | 398 | 370 | 357 | 199 | 270 | 380 |
| 500 | 498 | 413 | 400 | 199 | 270 | 423 |
| 600 | 595 | 546 | 531 | 249 | 320 | 556 |
| 625 | 623 | 546 | 531 | 249 | 320 | 556 |

Unit mm

Selection table

| Size | Q (m³/h) | L _{wa} [dB(A)] | ΔP _t (Pa) | X (m) |
|-----------|----------|-------------------------|----------------------|-------|
| 300 | 90 | 24 | 9 | 1,0 |
| | 130 | 32 | 18 | 1,2 |
| | 180 | 40 | 35 | 1,8 |
| 325 | 120 | 24 | 8 | 1,0 |
| | 170 | 32 | 17 | 1,5 |
| | 250 | 40 | 37 | 2,0 |
| 400 | 200 | 24 | 8 | 1,3 |
| | 280 | 32 | 16 | 1,8 |
| | 400 | 40 | 33 | 2,6 |
| 500 | 270 | 24 | 8 | 1,4 |
| | 420 | 32 | 19 | 2,2 |
| | 550 | 40 | 32 | 2,9 |
| 600/(625) | 400 | 24 | 7 | 1,6 |
| | 600 | 32 | 15 | 2,5 |
| | 800 | 40 | 26 | 3,3 |

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 3 m of height.