

DFRT



Catalogue Series 40.3



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.

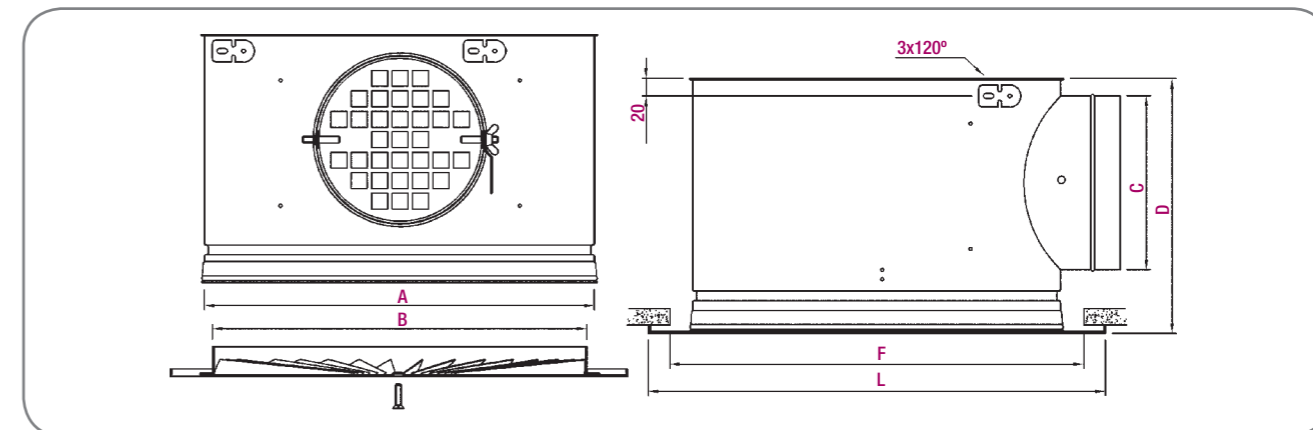
PCDL-A-RL. Removable plenum box with side connection, internally insulated, made in galvanised steel sheet, with manual damper accessible from room.

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	294	159	230	314
400	398	370	358	199	270	380
500	498	413	402	199	270	423
600	595	546	533	249	320	556
625	623	546	533	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.

