KLD-Q-I/R

Catalogue Series KFD-KLD

Square diffuser

Product description

Four-way square diffuser for variable or constant volume systems KOOLAIR model **KLD-Q-I/R**, 2, 3 or 4 ways, for integrated supply and extract in the same unit. Perforated sheet metal central core for air extract.
Foldable option available with frame to hold filter.
Made from extruded aluminium sections.
Incorporates two plenums with independent connections (supply and extract) made of galvanized steel sheet, with regulating damper on spigot.
Possibility of manufacturing with other dimensions.
Recommended installation height between 2.5 and 4 m. Painted finish in RAL colour of choice.

Other models

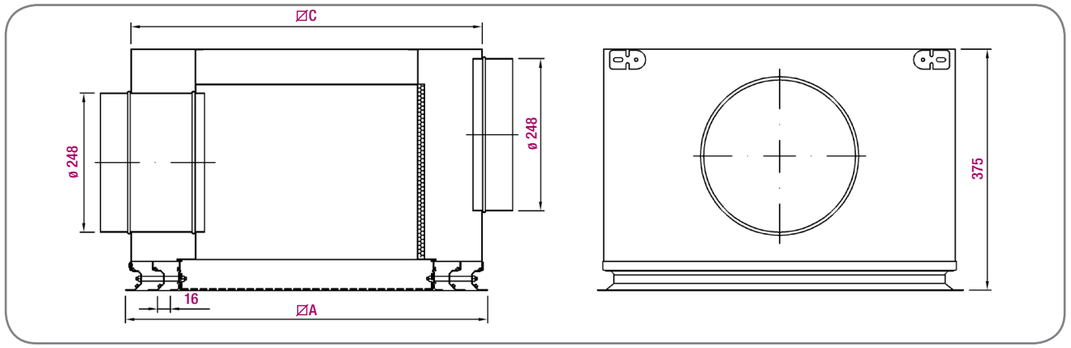
KLD-Q-I/R-PF. Four-way square diffuser for supply and extract air with folding central core and frame to hold filter.

Mounting

PFL. Side connection plenum box made in galvanised steel sheet.
PFL-A. Side connection plenum box internally insulated made in galvanised steel sheet.

Note: For accesible volume control damper from the room please ask specifically on order.

General dimensions



Nominal	N. of slots	⌀A	⌀C
600 x 600	2, 3 and 4	595	576
675 x 675	2, 3 and 4	670	651

Unit mm

Selection table (600x600 mm)

N. of slots	Q (m^3/h)	L_{wA} [dB(A)]	ΔP_t (Pa)	X (m)	V_k (m/s)
2	301	24	6	1,0	2,2
	422	32	12	1,4	3,1
	592	40	24	2,0	4,4
3	411	24	6	1,1	2,2
	576	32	11	1,5	3,0
	807	40	22	2,1	4,2

LEGEND

Q (m^3/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 $\Delta T = 0$ ºC (isothermal conditions), installed at a height of 3m.
V_k (m/s): Effective velocity.