

DAI



Catalogue DAI



High-induction circular diffuser

Product description

High-induction circular diffuser, for mixing primary air and induced 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).

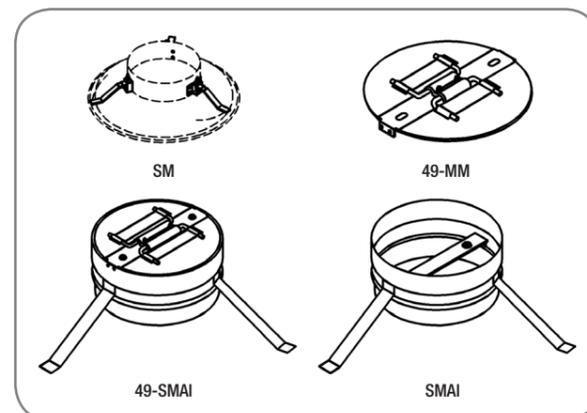
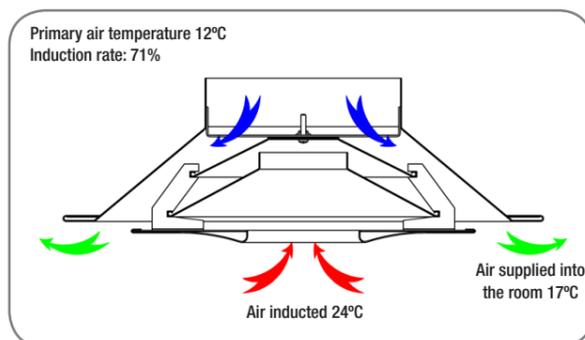
Mounting

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

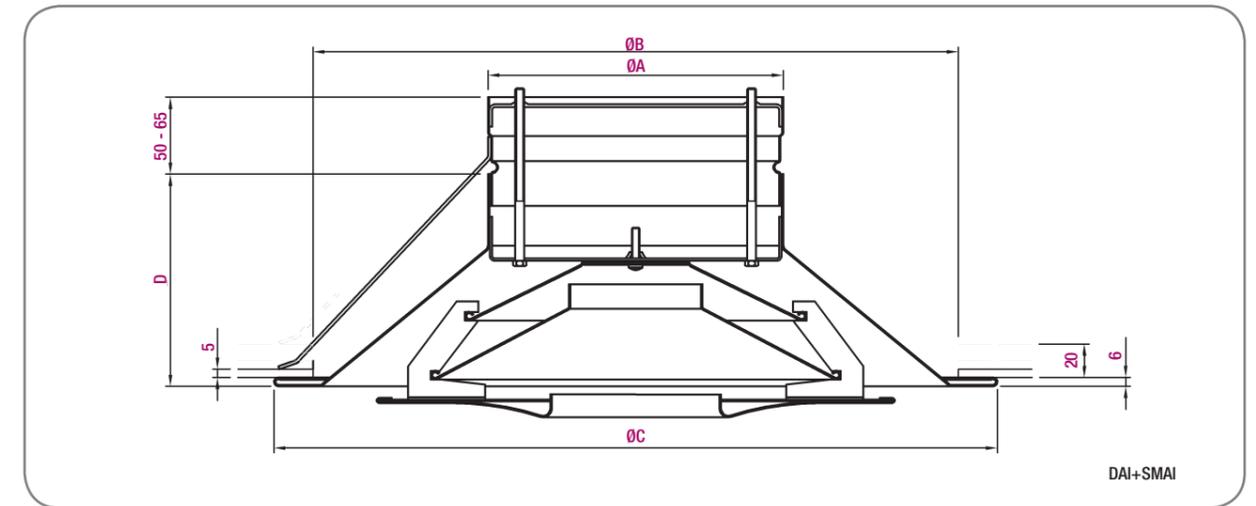
49SMAI. Mounting neck with volume control damper.

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

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



General dimensions

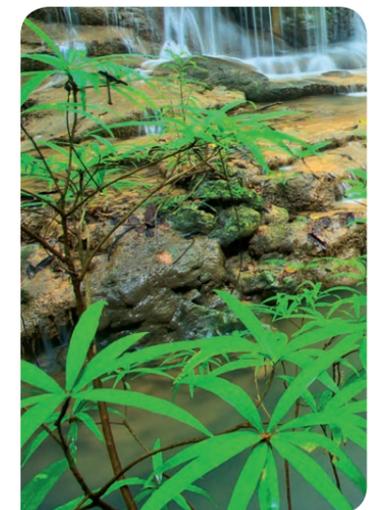


Diffuser	A	B	C	D
160	159	358	418	133
200	199	428	486	141
250	249	520	579	158
315	314	567	625	153
355	354	637	696	164

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.