



Circular diffuser CA



Equipped with a damper



Lightweight, aluminium

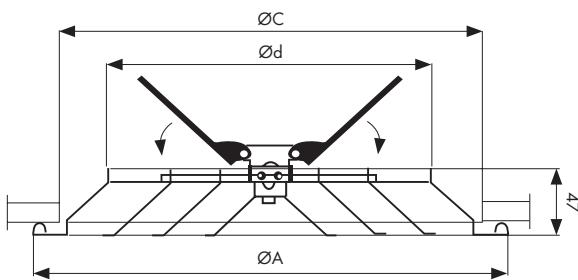


Removable center

Description

Supply air circular diffusers "CA" are designed for low and medium pressure ventilation systems, and air supply and exhaust conditioning systems. Designed to operate with variable or fixed airflow. Swirl diffusers are light and easy to install. Made of powder coated aluminium, finished in colour RAL 9016. Equipped with damper regulating air flow.

Technical drawing



Dimensions [mm]

Model	ØA	Ød	ØC
CA 150	257	149	225
CA 200	307	199	257
CA 250	357	249	325
CA 300	407	299	375
CA 350	457	349	425

Characteristics

Air volume [m ³ /h]	Diffuser model	CA 160	CA 200	CA 250	CA 300	CA 350
150	Speed v [m/s]	4,12	1,79	1,16	0,81	0,6
	Ps [Pa]	13	4	3	2	2
	T _{0,50} [m]	0,75	0,49	0,4	0,33	0,29
	T _{0,25} [m]	1,25	0,92	0,79	0,7	0,64
	NC [dB(A)]	<15	<15	<15	<15	<15
200	Speed v [m/s]	5,5	2,39	1,55	1,08	0,81
	Ps [Pa]	22	6	3	3	2
	T _{0,50} [m]	1	0,66	0,53	0,44	0,38
	T _{0,25} [m]	1,59	1,13	0,96	0,85	0,77
	NC [dB(A)]	<15	<15	<15	<15	<15
250	Speed v [m/s]	6,87	2,99	1,94	1,35	1,01
	Ps [Pa]	33	8	4	3	3
	T _{0,50} [m]	1,24	0,82	0,66	0,55	0,48
	T _{0,25} [m]	1,92	1,35	1,14	0,99	0,89
	NC [dB(A)]	32	18	<15	<15	<15
300	Speed v [m/s]	8,25	3,59	2,32	1,61	1,21
	Ps [Pa]	47	10	5	4	3
	T _{0,50} [m]	1,49	0,99	0,99	0,66	0,57
	T _{0,25} [m]	2,25	1,57	1,32	1,14	1,02
	NC [dB(A)]	37	24	<15	<15	<15
350	Speed v [m/s]	9,62	4,18	2,71	1,88	1,41
	Ps [Pa]	63	13	7	4	3
	T _{0,50} [m]	1,74	1,15	0,93	0,77	0,67
	T _{0,25} [m]	2,58	1,79	1,49	1,29	1,15
	NC [dB(A)]	41	28	18	<15	<15

T [m] - range given for speed 0,50 m/s, 0,25 m/s

Ps [Pa] - static pressure

NC [dB] - noise level with assumed room sound attenuation of 10 dB