

CA Round Diffuser

Materials

- CA-A: 0.8mm aluminium sheet roll formed.
- CA-P: injection moulded ABS plastic.
- CA-T: 0.6mm steel galvanized steel.

Surface Finish

- CA-A: white powder coat, oven baked or natural anodized.
- CA-P: white color.
- CA-T: white powder coat.

Features

- Model CA is removable multi-cones diffuser with two angles of deflection, it has a removable centre core.



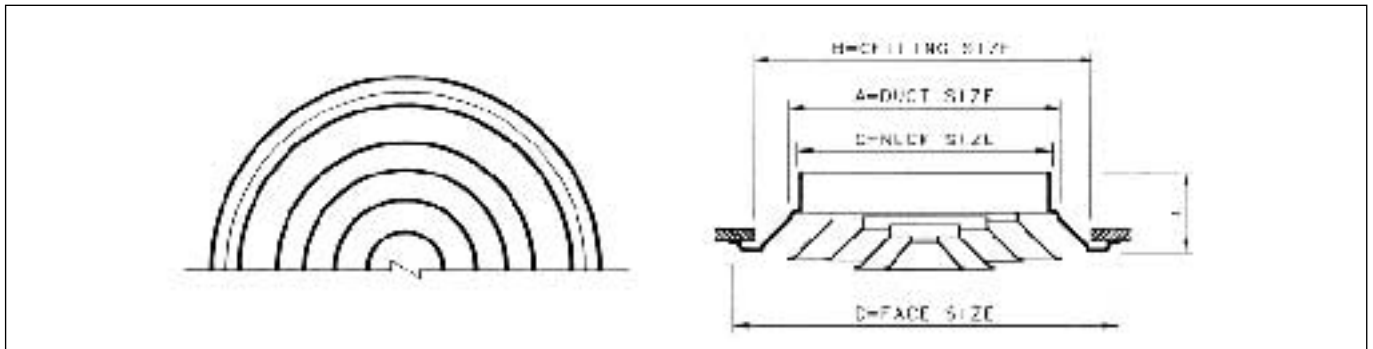
Accessories

- C1 Radial fan blade damper.
- C2 Crown damper.

Standard Sizes

- CA-A: 150ø - 600ø(mm)

CA Construction Illustrations



CA Physical Dimension Unit:mm

Model	C - Neck Size	A - Duct Size	B - Ceiling Size	D - Face Size	H - Height
150	150	155	240	255	82
200	203	205	295	305	95
250	254	258	335	355	103
300	305	308	385	407	112
350	355	358	445	457	114
400	406	410	500	562	119
450	450	453	575	655	120
500	500	503	625	705	123
550	550	553	675	745	128
600	600	603	730	805	130

CA Round Diffuser

■ CA Product Specification Unit:mm

Model	Materials	Surface Finish	Standard Sizes	Accessories	Order Key			
CA-A	0.8 Aluminium Sheet	White Power Coat, Oven Baked or Natural Anodized	150ø-600ø	C1 Radial Fan Blade Damper 150ø-350ø C2 Crown Damper	CA - A + C1 - 250			
CA-P	ABS Plastic	White Colour			Model	Materials	Accessories	Neck Size
CA-T	0.6mm Galvanized Steel	White Powder Coated						

■ CA Performance Data

Neck Size mm Neck Area m ²	Neck Vel. (m/s)	2	3	4	5	6	7	8
150ø (0.0182)	CMH	130	196	262	328	393	460	525
	Tot. Press(mmAq)	0.8	1.5	2.3	3.6	5.1	6.9	9.1
	Radius of Diff(M)	0.5 - 0.8	0.8 - 1.4	1.1 - 2.0	1.4 - 2.3	1.7 - 2.9	2.0 - 3.2	2.4 - 3.8
	NC	-	-	25	32	38	43	45
200ø (0.0324)	CMH	233	350	467	583	700	816	933
	Tot. Press(mmAq)	1.0	2.0	2.5	3.9	5.6	7.7	10.2
	Radius of Diff(M)	0.8 - 1.1	1.1 - 2.0	1.4 - 2.6	2.0 - 3.2	2.2 - 3.8	2.6 - 4.3	3.2 - 5.0
	NC	-	22	27	34	40	44	47
250ø (0.0507)	CMH	365	548	730	913	1095	1280	1460
	Tot. Press(mmAq)	1.0	2.1	2.5	4.1	5.8	8.2	10.7
	Radius of Diff(M)	0.8 - 1.4	1.4 - 2.3	2.2 - 3.2	2.3 - 4.1	2.8 - 4.7	3.5 - 5.5	3.8 - 6.5
	NC	-	23	28	35	41	45	48
300ø (0.0731)	CMH	526	790	1052	1315	1580	1842	2105
	Tot. Press(mmAq)	1.1	2.2	2.8	4.4	6.4	8.7	11.2
	Radius of Diff(M)	1.0 - 2.0	1.7 - 2.9	2.3 - 3.8	2.9 - 4.7	3.5 - 5.6	4.1 - 6.8	4.7 - 7.6
	NC	-	23	29	37	43	46	50
350ø (0.0979)	CMH	705	1057	1410	1762	2115	2467	2820
	Tot. Press(mmAq)	0.9	2.0	2.9	4.4	6.5	8.5	11.5
	Radius of Diff(M)	1.3 - 2.2	2.0 - 3.2	2.6 - 4.3	3.5 - 5.5	4.1 - 6.5	4.7 - 7.6	5.5 - 8.7
	NC	-	24	29	38	43	47	52
400ø (0.1297)	CMH	934	1400	1868	2335	2800	3270	3735
	Tot. Press(mmAq)	0.8	1.5	2.4	3.6	5.2	6.9	9.1
	Radius of Diff(M)	1.4 - 2.6	2.2 - 3.7	3.1 - 5.0	4.1 - 6.5	4.6 - 7.6	5.5 - 8.6	6.4 - 10.2
	NC	-	24	31	40	44	47	52
450ø (0.1642)	CMH	1182	1773	2365	2955	3546	4140	4730
	Tot. Press(mmAq)	0.8	1.5	2.3	3.6	5.1	6.9	9.1
	Radius of Diff(M)	1.6 - 2.8	2.5 - 4.3	3.5 - 5.8	4.3 - 7.0	6.2 - 8.5	6.1 - 9.8	7.0 - 11.4
	NC	-	25	32	42	46	50	54
500ø (0.2027)	CMH	1460	2190	2920	3650	4380	5110	5840
	Tot. Press(mmAq)	0.9	2.0	2.9	4.4	6.5	8.5	11.5
	Radius of Diff(M)	1.9 - 3.2	2.8 - 4.6	4.1 - 6.4	5.0 - 7.8	5.5 - 9.4	7.0 - 11.1	8.5 - 12.5
	NC	-	25	33	42	47	52	56
550ø (0.2452)	CMH	1765	2648	3530	4415	5295	6180	7060
	Tot. Press(mmAq)	1.1	2.2	2.8	4.4	6.4	8.7	11.2
	Radius of Diff(M)	2.0 - 3.5	3.2 - 5.0	4.3 - 7.0	5.4 - 8.6	6.3 - 10.4	7.6 - 12.2	8.8 - 14.0
	NC	-	26	33	44	48	52	56
600ø (0.2919)	CMH	2100	3152	4203	5255	6305	7355	8405
	Tot. Press(mmAq)	1.0	1.7	2.3	3.9	5.6	7.7	10.2
	Radius of Diff(M)	2.2 - 3.8	3.5 - 5.5	4.7 - 7.5	5.8 - 9.4	7.0 - 11.5	8.2 - 13.1	9.4 - 15.2
	NC	21	26	34	44	48	53	57

- Radius of diffusion based on terminal velocities of 0.5 m/s-0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10⁻¹² watts.
- Dash (-) in space indicates NC value less than 20.

All stated specifications are updated at the printing date and subject to change without notice or obligation. The actual product might differ from pictures shown.