

CA Round Ceiling Diffuser



ASLI CA is a type of diffuser consists of several concentric cones that induce concentric flow pattern across the ceiling.

Materials

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

Surface Finish

- CA-A** white powder coat, oven baked.
- CA-P** white color.
- CA-T** white powder coat, oven baked.

Standard size Unit : mm

ø 150 - ø 600

Features

- Designed with removable center core
- Air direction can be set at two angles of deflection

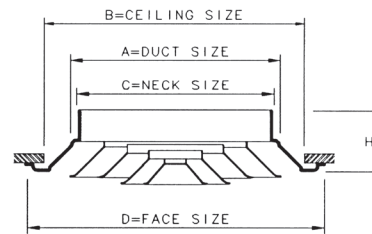
Accessories

- C1 Radial fan blade damper
- C2 Crown damper

CA Physical Dimension Unit : mm



Top View



Side View

Model	C - Neck Size	A - Duct Size	B - Ceiling Size	D - Face Size	H - Height
150	144	149	240	255	75
200	194	199	295	305	75
250	245	250	335	350	75
300	294	299	385	400	75
350	345	350	445	455	80
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 Ceiling Diffuser

CA Performance Data (1)

Neck Size (mm) Neck Area (m ²)	Neck Vel. (m/s)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
ø 150 (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
ø 200 (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
ø 250 (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
ø 300 (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
ø 350 (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
ø 400 (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
ø 450 (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 - 4.1	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

- 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.

CA Round Ceiling Diffuser

CA Performance Data (2)

Neck Size (mm) Neck Area (m ²)	Neck Vel. (m/s)	2.0	3.0	4.0	5.0	6.0	7.0	8.0
ø 500 (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
ø 550 (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
ø 600 (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.

CA Order Code

Model	Materials	Accessories	Neck Size
CA	T	C1	N 200

Example : CA - T + C1 - N 200