

CA-A-C Round Diffuser

Materials

- CA-A-C: 0.8mm aluminium sheet roll formed.

Surface Finish

- CA-A-C: white powder coat, oven baked or natural anodized.

Features

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

Accessories

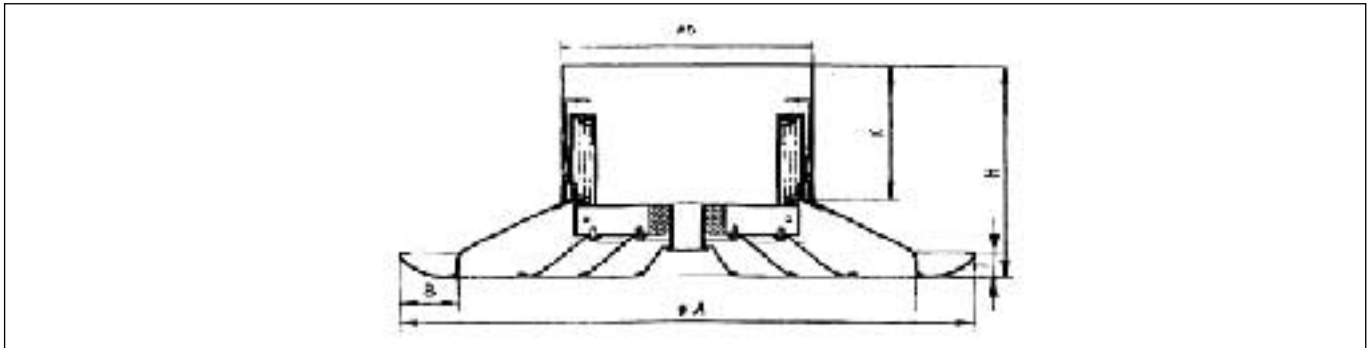
- C1 Radial fan blade damper.
- C2 Crown damper.

Standard Sizes

- CA-A-C: 150ø-300ø(mm)



CA-A-C Construction Illustrations



CA-A-C Physical Dimension Unit:mm

Model	A	B	D	H	K	T
150	340ø	35	147ø	125	80	15
200	440ø	40	197ø	135	80	20
250	520ø	40	247ø	145	80	20
300	610ø	45	297ø	145	80	23

CA-A-C Product Specification Unit:mm

Model	Materials	Surface Finish	Standard Sizes	Accessories	Order Key																												
CA-A-C	0.8 Aluminium Sheet	White Power Coat, Oven Baked or Natural Anodized	150ø - 300ø	C1 Radial Fan Blade Damper 150ø - 300ø C2 Crown Damper	<table border="0"> <tr> <td>CA</td> <td>-</td> <td>A</td> <td>+</td> <td>C1</td> <td>-</td> <td>250</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Materials</td> <td></td> <td></td> <td></td> <td>Neck Size</td> </tr> <tr> <td>Model</td> <td></td> <td></td> <td></td> <td>Accessories</td> <td></td> <td></td> </tr> </table>	CA	-	A	+	C1	-	250										Materials				Neck Size	Model				Accessories		
CA	-	A	+	C1	-	250																											
		Materials				Neck Size																											
Model				Accessories																													

CA-A-C Round Diffuser

■ CA-A-C Performance Data

Neck Size mm Neck Area m ²	Neck Vel. (m/s)		2	2.5	3	3.5	4	4.5	5	6
152 (0.0181)	CMH		131	163	196	228	261	294	326	392
	Tot. Press (mmAg)	H	0.2	0.3	0.5	0.7	0.9	1.1	1.4	2.1
		V	0.5	0.8	1.2	1.6	2	2.6	3.2	4.6
	Radius of Diff (M)	H	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3
		V	1.1	1.4	1.7	2	2.3	2.7	3	3.6
	NC	H	-	-	-	26	30	34	36	40
V		-	-	21	26	30	34	36	42	
202 (0.0320)	CMH		231	288	346	403	461	519	576	692
	Tot. Press (mmAg)	H	0.2	0.3	0.5	0.7	0.9	1.1	1.4	2.1
		V	0.5	0.8	1.2	1.6	2	2.6	3.2	4.6
	Radius of Diff (M)	H	0.9	1	1.2	1.3	1.4	1.5	1.7	1.9
		V	1.3	1.6	2	2.3	2.7	3	3.4	4.1
	NC	H	-	-	21	27	31	35	38	43
V		-	-	23	29	33	36	40	45	
252 (0.0499)	CMH		359	448	538	628	718	807	897	1076
	Tot. Press (mmAg)	H	0.2	0.3	0.5	0.7	0.9	1.1	1.4	2.1
		V	0.5	0.8	1.2	1.6	2	2.6	3.2	4.6
	Radius of Diff (M)	H	1	1.2	1.4	1.5	1.7	1.8	2	2.2
		V	1.6	2.1	2.5	3	3.4	3.8	4.3	5.1
	NC	H	-	-	23	29	33	36	39	43
V		-	-	25	30	34	38	40	46	
302 (0.0716)	CMH		515	644	773	902	1031	1159	1288	1546
	Tot. Press (mmAg)	H	0.2	0.3	0.5	0.7	0.9	1.1	1.4	2.1
		V	0.5	0.8	1.2	1.6	2	2.6	3.2	4.6
	Radius of Diff (M)	H	1.2	1.4	1.6	1.8	2	2.1	2.3	2.6
		V	2	2.5	3	3.6	4.1	4.6	5.2	6.2
	NC	H	-	-	24	29	33	37	39	44
V		-	-	27	32	36	39	42	47	

- 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.