

Economy Circular Multicone Ceiling Diffuser

Description

A quality yet very economically priced fully adjustable multicone ceiling diffuser which is suitable for both supply and extract applications.

Adjustment of the air pattern is achieved by screwing the core in or out of the outer frame. The core can be removed by unscrewing it completely.

Construction

Manufactured from spun aluminium throughout, with centre threaded boss within the neck to facilitate core adjustment. The optional twin blade damper is adjusted by removing the core for access.



Size and Weight

Available in the following neck sizes.
Note- Weights quoted exclude accessories.

160 Ø 0.57 kg

200 Ø 0.81 kg

250 Ø 1.3 kg

315 Ø 1.8 kg

How to Specify

STATE QUANTITY, PRODUCT CODE AND NECK SIZE.

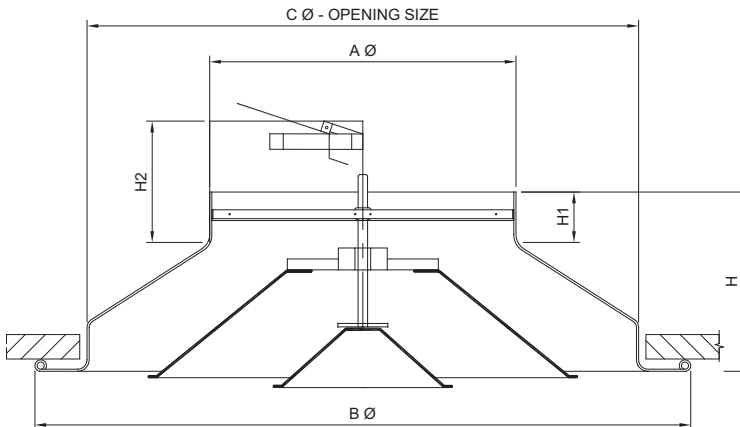
e.g. 10qty 91E0R+2B 250 Ø

DIMENSIONS							
Size	Model	ØA	ØB	C	H	H1	H2
160		148	335	288	105	45	130
200		198	423	370	118	48	130
250		248	517	461	130	48	130
315		313	640	576	146	48	130

Frame Style	Type	Options	Accessories
91 Circular	E Economy Diffuser	0 None	0 None
		P Square Duct Plenum	R Twin Blade Damper
		S Spiral Duct Plenum	



Fixings	Finish
2 Neck Fixings	B PPC RAL 9010 Gloss White
	C PPC BS/RAL Colour



Performance Data Economy Circular Multicone Ceiling Diffuser

Volume M ³ /H	Size	160	200	250	315
	100	Vel	2.58	1.24	0.75
P		0.35	0.08	0.03	0.01
Amin		0.14	0.28	0.23	0.20
Amax		1.30	1.19	1.15	1.13
dB		<15	<15	<15	<15
150	Vel	3.84	1.86	1.12	0.74
	P	0.79	0.19	0.07	0.03
	Amin	0.64	0.44	0.35	0.32
	Amax	1.73	1.37	1.31	1.28
	dB	16	<15	<15	<15
200	Vel	5.11	2.48	1.50	0.98
	P	1.41	0.33	0.12	0.05
	Amin	0.86	0.59	0.48	0.44
	Amax	1.76	1.55	1.46	1.42
	dB	23	<15	<15	<15
250	Vel	6.39	3.10	1.87	1.23
	P	2.21	0.52	0.19	0.08
	Amin	1.08	0.75	0.61	0.55
	Amax	1.99	1.73	1.62	1.57
	dB	28	16	<15	<15
300	Vel	7.67	3.71	2.25	1.47
	P	3.18	0.75	0.27	0.12
	Amin	1.30	0.90	0.74	0.67
	Amax	2.23	0.90	1.77	1.72
	dB	32	21	<15	<15
350	Vel	8.95	4.33	2.625	1.72
	P	4.33	1.01	0.37	0.16
	Amin	1.52	1.06	0.86	0.78
	Amax	2.46	2.08	1.93	1.86
	dB	36	24	16	<15
400	Vel	10.23	4.95	3.00	1.96
	P	5.65	1.32	0.48	0.21
	Amin	1.74	1.21	0.99	0.90
	Amax	2.69	2.26	2.06	2.01
	dB	39	27	19	<15
450	Vel	11.51	5.57	3.37	2.21
	P	7.15	1.68	0.61	0.26
	Amin	1.96	1.37	1.12	1.02
	Amax	2.92	2.44	2.24	2.16
	dB	42	30	22	<15
500	Vel	12.79	6.19	3.74	2.45
	P	8.83	2.07	0.76	0.32
	Amin	2.18	1.52	1.24	1.13
	Amax	3.15	2.62	2.39	2.30
	dB	44	32	24	17
600.000	Vel	15.34	7.43	4.49	2.94
	P	12.71	2.98	1.09	0.47
	Amin	2.66	1.83	1.50	1.36
	Amax	3.61	2.97	2.70	2.59
	dB	48	36	28	21

Vel = Velocity m/s.
P = Pressure drop. mm. wg.
Amin = Throw minimum.

Volume M ³ /H	Size	160	200	260	315
	700	Vel		8.67	5.24
P			4.06	1.48	0.64
Amin			2.14	1.75	1.60
Amax			3.33	3.01	2.89
dB			40	32	25
800	Vel		9.91	5.99	3.92
	P		5.30	1.94	0.83
	Amin		2.45	2.01	1.83
	Amax		3.68	3.32	3.18
	dB		43	35	28
900	Vel		11.14	6.74	4.41
	P		6.71	2.45	1.05
	Amin		2.76	2.26	2.06
	Amax		4.04	3.64	3.47
	dB		46	38	31
1.000	Vel		12.38	7.49	4.90
	P		8.28	3.03	1.30
	Amin		3.07	2.52	2.29
	Amax		4.39	3.95	3.77
	dB		48	40	33
1.100	Vel			8.24	5.39
	P			3.67	1.57
	Amin			2.77	2.52
	Amax			4.26	4.06
	dB			42	35
1.200	Vel			8.99	5.88
	P			4.36	1.87
	Amin			3.03	2.76
	Amax			4.57	4.35
	dB			44	37
1.300	Vel			9.74	6.37
	P			5.12	2.19
	Amin			3.28	2.99
	Amax			4.88	4.64
	dB			46	39
1.500	Vel			11.23	7.36
	P			6.82	2.92
	Amin			3.79	3.45
	Amax			5.50	5.23
	dB			49	42
1.700	Vel				8.34
	P				3.75
	Amin				3.92
	Amax				5.81
	dB				45
2.000	Vel				9.81
	P				5.19
	Amin				4.6
	Amax				6.69
	dB				49

Amax = Throw maximum.
dB = Level of noise. dBA.