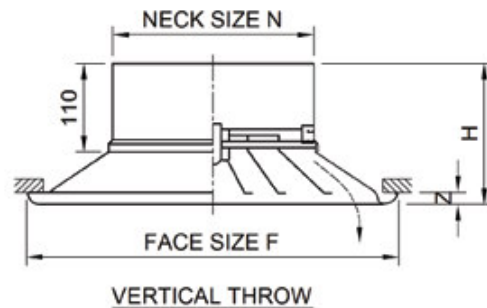
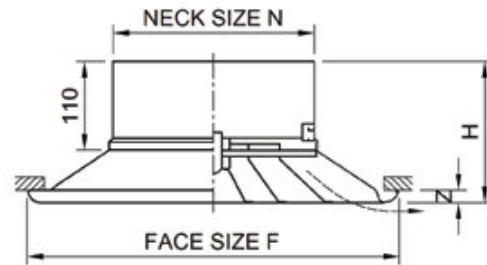


ROUND CEILING DIFFUSER

FEATURES

- KYODO series C-3 round ceiling diffusers are designed for both heating and cooling application.
- Its fashionable appearance makes it most popular with modern architectural designs.
- Super compact design for space-constraint area.
- All sizes have 3 cones, giving a uniform appearance where different sizes are used in the same area.
- Round ceiling diffuser gives the most even air distribution due to its round streamline cones.
- Uniform, 360 degree discharge pattern.
- Fast and easy removal of inner cores.
- A gang operated radial blades volume damper (SED II) is used for easy adjustment from diffuser face.
- Constructed of aluminium.

MODEL: C-3



FINISH

Standard finish in baked white enamel.

Other colours are available on request.

ACCESSORIES

Air Volume Control Damper:

- Radial Type (SED II) for Neck Size from $\text{Ø}150$ to $\text{Ø}350$.
- Butterfly Type (B II) for Neck Size $\text{Ø}400$.

DIMENSIONS

NECK SIZE N (mm)	F (mm)	OPENING C (mm)	Z (mm)	H (mm)
$\text{Ø} 150$	$\text{Ø} 338$	$\text{Ø} 295$	15	155
$\text{Ø} 200$	$\text{Ø} 438$	$\text{Ø} 385$	19	165
$\text{Ø} 250$	$\text{Ø} 518$	$\text{Ø} 465$	19	175
$\text{Ø} 300$	$\text{Ø} 608$	$\text{Ø} 555$	22	185
$\text{Ø} 350$	$\text{Ø} 708$	$\text{Ø} 635$	22	195
$\text{Ø} 400$	$\text{Ø} 782$	$\text{Ø} 735$	22	200

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KYODO reserves the right to make changes without written notice. The actual product might differ from pictures shown. Drawings are not meant to show exact details of every aspects of the product.

TECHNICAL PERFORMANCE DATA (With Damper)

MODEL: C-3

NECK SIZE C (mm)	Neck Velocity (m/s)	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	
Φ 150	Air Volume CMH	130	160	190	225	255	290	320	385	
	Throw (m)	Horizontal	<1.0	<1.0	<1.0	<1.0	1.0	1.1	1.3	1.8
		Vertical	2.8	4.2	5.6	6.8	7.9	9.0	10.1	12.0
	S.P. (Pa)	Horizontal	10	15	22	30	38	49	60	85
		Vertical	11	16	24	31	39	50	61	86
	NC	Horizontal	18	24	32	36	41	45	48	54
Vertical		20	25	33	37	43	46	49	56	
Φ 200	Air Volume CMH	230	285	340	396	455	510	565	680	
	Throw (m)	Horizontal	<1.0	1.0	1.1	1.2	1.6	1.8	2.2	3.0
		Vertical	2.5	3.6	4.7	5.8	6.9	7.8	8.8	10.5
	S.P. (Pa)	Horizontal	10	15	22	30	38	48	59	84
		Vertical	11	16	23	31	39	49	61	86
	NC	Horizontal	18	25	32	36	40	44	47	52
Vertical		20	26	33	37	41	45	49	54	
Φ 250	Air Volume CMH	355	445	530	620	710	795	885	1060	
	Throw (m)	Horizontal	<1.0	1.0	1.2	1.5	1.8	2.2	2.5	3.3
		Vertical	2.0	3.1	4.1	5.2	6.1	7.2	7.9	9.4
	S.P. (Pa)	Horizontal	9	14	19	24	30	37	44	62
		Vertical	10	15	20	25	31	38	46	64
	NC	Horizontal	13	20	26	30	35	39	43	48
Vertical		15	21	27	31	36	40	44	50	
Φ 300	Air Volume CMH	510	640	765	890	1020	1145	1275	1530	
	Throw (m)	Horizontal	1.0	1.2	1.5	1.8	2.3	2.7	3.2	4.4
		Vertical	1.9	2.9	3.8	4.6	5.6	6.4	7.2	8.7
	S.P. (Pa)	Horizontal	10	14	20	25	33	41	49	66
		Vertical	11	15	21	27	34	42	50	68
	NC	Horizontal	18	24	29	33	38	41	44	48
Vertical		19	25	30	34	39	42	45	49	
Φ 350	Air Volume CMH	695	865	1040	1215	1385	1560	1735	2080	
	Throw (m)	Horizontal	1.0	1.2	1.6	2.1	2.7	3.3	4.1	5.7
		Vertical	1.6	1.9	3.3	4.1	4.9	5.7	6.4	7.7
	S.P. (Pa)	Horizontal	10	14	21	28	37	46	56	78
		Vertical	11	15	22	29	38	47	57	80
	NC	Horizontal	19	24	29	34	38	42	46	51
Vertical		20	25	30	35	39	43	47	52	
Φ 400	Air Volume CMH	905	1130	1360	1585	1810	2035	2265	2715	
	Throw (m)	Horizontal	1.0	1.2	1.7	2.1	2.7	3.3	4.1	5.7
		Vertical	1.7	2.5	3.3	4.1	4.9	5.5	6.2	7.4
	S.P. (Pa)	Horizontal	10	14	20	27	33	40	49	67
		Vertical	10	15	21	28	34	41	51	68
	NC	Horizontal	21	25	30	35	38	41	45	49
Vertical		21	26	31	36	39	42	46	50	

- Result of performance is tested under NATA, in accordance with ASHRAE STANDARD 70-2006.
- SP - Static Pressure drops are in Pascals.
- NC - Noise Criterion based upon room absorption of 10 dB.
- Throw - Throw at 0.5m/s terminal velocity in metres.