

PMC Supply 1,2,3 or 4-Way Adjustable Discharge

Neck Velocity, m/s		1.5	2.0	2.5	3.0	3.6	4.1	4.6	5.1	5.6
Velocity Pressure, Pa		1	2	4	6	8	10	13	16	19
150mm x 150mm Neck	Air Flow, l/s	35	47	59	71	83	94	106	118	130
	Total Pressure, Pa	4	6	10	14	19	25	32	40	48
	NC (Noise Criterion)	-	-	12	17	22	27	30	34	37
	1 Way - Horizontal Throw	1 - 1.5 - 2.8	1.3 - 1.8 - 3.8	1.5 - 2.5 - 4.5	1.8 - 2.8 - 5.5	2.3 - 3.3 - 6.5	2.5 - 3.8 - 6.8	2.8 - 4.3 - 7	3 - 4.5 - 7.5	3.3 - 5.3 - 8
	2 Way - Horizontal Throw	0.3 - 1 - 1.8	0.5 - 1.3 - 2.5	1 - 1.5 - 3	1.3 - 1.8 - 3.8	1.5 - 2.3 - 4	1.5 - 2.5 - 4.3	1.8 - 2.8 - 4.5	2.3 - 3 - 5	2.3 - 3.3 - 5.3
	3 Way - Horizontal Throw	0.3 - 0.5 - 1.5	0.5 - 1 - 1.8	1 - 1.3 - 2.5	1 - 1.5 - 2.8	1.3 - 1.5 - 3.3	1.3 - 1.8 - 3.8	1.5 - 2.3 - 4	1.5 - 2.5 - 4	1.8 - 2.8 - 4.3
200mm x 200mm Neck	Air Flow, l/s	63	84	105	126	147	168	189	210	231
	Total Pressure, Pa	5	8	13	18	25	32	41	51	61
	NC (Noise Criterion)	-	-	17	22	27	32	35	39	42
	1 Way - Horizontal Throw	1.3 - 1.8 - 3.8	1.5 - 2.5 - 5	2.3 - 3 - 6	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.3	3.3 - 5 - 8.8	3.8 - 5.5 - 9.5	4 - 6 - 10	4.5 - 6.8 - 10.3
	2 Way - Horizontal Throw	0.5 - 1.3 - 2.5	1 - 1.5 - 3.3	1.3 - 2.3 - 4	1.5 - 2.5 - 5	1.8 - 2.8 - 5.5	2.3 - 3.3 - 5.8	2.5 - 3.8 - 6	2.8 - 4 - 6.5	3 - 4.5 - 6.8
	3 Way - Horizontal Throw	0.5 - 1 - 1.8	1 - 1.3 - 2.5	1 - 1.5 - 3	1.3 - 1.8 - 3.8	1.5 - 2.3 - 4.3	1.8 - 2.5 - 5	1.8 - 2.8 - 5.3	2.3 - 3 - 5.5	2.5 - 3.3 - 5.8
250mm x 250mm Neck	Air Flow, l/s	98	131	164	197	229	262	295	328	361
	Total Pressure, Pa	6	10	16	23	32	41	53	65	78
	NC (Noise Criterion)	-	14	21	26	31	36	39	43	46
	1 Way - Horizontal Throw	1.5 - 2.5 - 4.5	2.3 - 3 - 6	2.5 - 4 - 7.5	3 - 4.5 - 9.3	3.8 - 5.5 - 10.3	4 - 6 - 11.3	4.5 - 7 - 12	5.3 - 7.5 - 12.5	5.5 - 8.5 - 13
	2 Way - Horizontal Throw	0.5 - 1.5 - 3	1.3 - 2.3 - 4	1.8 - 2.5 - 5.3	2.3 - 3 - 6	2.5 - 3.8 - 6.8	2.8 - 4 - 7.3	3 - 4.5 - 7.5	3.3 - 5.3 - 8.3	3.8 - 5.5 - 8.5
	3 Way - Horizontal Throw	0.5 - 1.3 - 2.5	1 - 1.5 - 3	1.3 - 1.8 - 4	1.5 - 2.5 - 5	1.8 - 2.8 - 5.5	2.3 - 3 - 6	2.5 - 3.8 - 6.5	2.8 - 4 - 6.8	2.8 - 4.3 - 7
300mm x 300mm Neck	Air Flow, l/s	142	189	236	283	330	378	425	472	519
	Total Pressure, Pa	7	13	21	30	40	53	67	82	99
	NC (Noise Criterion)	-	17	24	30	35	39	43	46	49
	1 Way - Horizontal Throw	1.8 - 2.8 - 5.5	2.5 - 3.8 - 7.3	3 - 4.5 - 9.3	3.8 - 5.5 - 11	4.3 - 6.5 - 12.5	5 - 7.3 - 13.5	5.5 - 8.3 - 14.3	6 - 9.3 - 15	6.8 - 10 - 15.8
	2 Way - Horizontal Throw	1 - 1.8 - 3.8	1.5 - 2.5 - 5	2.3 - 3 - 6	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.3	3.3 - 5 - 8.8	3.8 - 5.5 - 9.3	4 - 6 - 9.8	4.5 - 6.8 - 10.3
	3 Way - Horizontal Throw	0.5 - 1.5 - 2.8	1.3 - 1.8 - 3.8	1.5 - 2.5 - 5	1.8 - 2.8 - 5.8	2.3 - 3.3 - 6.8	2.5 - 3.8 - 7.3	2.8 - 4.3 - 7.5	3 - 5 - 8.3	3.3 - 5.3 - 8.5
350mm x 350mm Neck	Air Flow, l/s	193	257	321	385	450	514	578	642	707
	Total Pressure, Pa	9	16	26	37	50	66	83	103	124
	NC (Noise Criterion)	-	20	27	33	37	42	45	49	52
	1 Way - Horizontal Throw	2.3 - 3.3 - 6.5	2.8 - 4.3 - 8.5	3.8 - 5.5 - 10.8	4.3 - 6.5 - 12.8	5 - 7.5 - 14.8	5.8 - 8.5 - 15.5	6.5 - 9.8 - 16.5	7 - 10.8 - 17.3	8 - 12 - 18.3
	2 Way - Horizontal Throw	1 - 2.3 - 4.3	1.8 - 2.8 - 5.8	2.5 - 3.8 - 7	2.8 - 4.3 - 8.5	3.3 - 5 - 9.5	3.8 - 5.8 - 10	4.3 - 6.5 - 10.8	5 - 7 - 11.3	5.3 - 8 - 12
	3 Way - Horizontal Throw	1 - 1.5 - 3.3	1.5 - 2.3 - 4.3	1.8 - 2.8 - 5.5	2.3 - 3.3 - 6.8	2.5 - 4 - 7.5	3 - 4.3 - 8.5	3.3 - 5 - 9.3	3.8 - 5.5 - 9.5	4 - 6 - 10
400mm x 400mm Neck	Air Flow, l/s	252	336	420	503	587	671	755	839	923
	Total Pressure, Pa	11	20	32	46	62	81	102	126	153
	NC (Noise Criterion)	13	22	29	35	40	44	48	51	54
	1 Way - Horizontal Throw	2.5 - 3.8 - 7.3	3.3 - 5 - 9.8	4 - 6 - 12.3	5 - 7.3 - 14.8	5.8 - 8.5 - 16.8	6.5 - 9.8 - 18	7.3 - 11 - 19	8.3 - 12.3 - 20	8.8 - 13.5 - 21
	2 Way - Horizontal Throw	1.3 - 2.5 - 5	2.3 - 3.3 - 6.5	2.8 - 4 - 8.3	3.3 - 5 - 9.8	3.8 - 5.8 - 11	4.3 - 6.5 - 11.5	5 - 7.3 - 12.3	5.5 - 8.3 - 13	6 - 8.8 - 13.8
	3 Way - Horizontal Throw	1 - 1.8 - 3.8	1.8 - 2.5 - 5.3	2.3 - 3 - 6.5	2.5 - 3.8 - 7.5	3 - 4.3 - 8.8	3.3 - 5.3 - 9.8	3.8 - 5.8 - 10.3	4.3 - 6.5 - 11	4.5 - 7 - 11.5
450mm x 450mm Neck	Air Flow, l/s	319	425	531	637	743	850	956	1062	1168
	Total Pressure, Pa	14	25	38	55	75	98	124	153	186
	NC (Noise Criterion)	15	24	31	37	42	46	50	53	56
	1 Way - Horizontal Throw	2.8 - 4.3 - 8.3	3.8 - 5.5 - 11	4.5 - 7 - 13.8	5.5 - 8.3 - 16.5	6.5 - 9.8 - 19	7.3 - 11 - 20	8.3 - 12.5 - 21.3	9.3 - 13.8 - 22.5	10 - 15.3 - 23.5
	2 Way - Horizontal Throw	1.3 - 2.8 - 5.5	2.3 - 3.8 - 7.3	3 - 4.5 - 9.3	3.8 - 5.5 - 11	4.3 - 6.5 - 12.3	5 - 7.3 - 13	5.5 - 8.3 - 14	6 - 9.3 - 14.8	6.8 - 10 - 15.3
	3 Way - Horizontal Throw	1.3 - 2.3 - 4.3	1.8 - 2.8 - 5.8	2.5 - 3.8 - 7	2.8 - 4.3 - 8.5	3.3 - 5 - 10	3.8 - 5.8 - 11	4.3 - 6.5 - 11.5	5 - 7 - 12.3	5.3 - 8 - 12.8

Data Notes

- Data were obtained from tests conducted in accordance with ANSI / ASHRAE Standard 70-1991, ISO Standard 5219, and ISO Standard 3741.
- If the diffuser is mounted on an exposed duct, the throw values are 70% of those listed in the table.

THROW

- Throw values are given for terminal velocities of .8, .5 and .3 mps
- Throw Values are given for Isothermal Conditions

NC

- NC values are based on Octave Band 2 - 7 sound power levels minus a room absorption of 10dB.
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th, with a room absorption of 10dB, re 10-12 Watts.
- Dash (-) in space denotes an NC value of less than 10.

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric

• contact factory for availability of sizes •



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