

OMNI

300 mm x 300 mm Module Size

Neck Velocity, m/s		2.0	2.5	3.0	3.6	4.1	4.6	5.1	6.1	7.1
Velocity Pressure, Pa		2	4	6	8	10	13	16	22	30
SIZE 4	Air Flow, l/s	16	21	25	29	33	37	41	49	58
	Total Pressure, Pa	8	13	19	26	33	42	52	75	102
	Throw, m	0.3 - 0.5 - 1	0.3 - 0.5 - 1.3	0.5 - 0.5 - 1.5	0.5 - 1 - 1.8	0.5 - 1 - 1.8	0.5 - 1.3 - 2.3	1 - 1.3 - 2.5	1 - 1.5 - 3	1.3 - 1.8 - 3.3
	NC (Noise Criteria)	-	-	12	17	21	24	27	33	38
SIZE 5	Air Flow, l/s	26	32	39	45	51	58	64	77	90
	Total Pressure, Pa	10	16	23	31	40	51	63	90	123
	Throw, m	0.5 - 0.5 - 1.5	0.5 - 1 - 1.8	0.5 - 1 - 2.3	1 - 1.3 - 2.5	1 - 1.5 - 2.8	1 - 1.5 - 3	1.3 - 1.8 - 3.8	1.5 - 2.3 - 4.3	1.5 - 2.5 - 4.5
	NC (Noise Criteria)	-	-	12	17	21	24	28	33	38
SIZE 6	Air Flow, l/s	37	46	56	65	74	83	93	111	130
	Total Pressure, Pa	12	19	27	37	48	61	75	109	148
	Throw, m	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 - 4.3	1.5 - 2.5 - 4.5	1.8 - 2.8 - 5.3	2.3 - 3.3 - 5.5
	NC (Noise Criteria)	-	-	12	17	21	24	28	33	38
SIZE 7	Air Flow, l/s	50	63	76	88	101	113	126	151	176
	Total Pressure, Pa	14	23	33	44	58	73	91	130	178
	Throw, m	1 - 1.3 - 2.5	1 - 1.5 - 2.8	1.3 - 1.8 - 3.3	1.3 - 2.3 - 4	1.5 - 2.5 - 4.5	1.8 - 2.8 - 5.3	1.8 - 2.8 - 5.5	2.5 - 3.3 - 6	2.8 - 4 - 6.5
	NC (Noise Criteria)	-	-	12	17	21	24	28	33	38
SIZE 8	Air Flow, l/s	66	82	99	115	132	148	165	198	231
	Total Pressure, Pa	17	27	39	53	69	88	108	156	212
	Throw, m	1 - 1.5 - 2.8	1.3 - 1.8 - 3.3	1.5 - 2.3 - 4.3	1.5 - 2.5 - 5	1.8 - 2.8 - 5.5	2.3 - 3 - 5.8	2.5 - 3.3 - 6	2.8 - 4.3 - 6.8	3.3 - 5 - 7.3
	NC (Noise Criteria)	-	-	12	17	21	24	28	33	38

600 mm x 600 mm Module Size

Neck Velocity, m/s		2.0	2.5	3.0	3.6	4.1	4.6	5.1	6.1	7.1
Velocity Pressure, Pa		2	4	6	8	10	13	16	22	30
SIZE 6	Air Flow, l/s	37	46	56	65	74	83	93	111	130
	Total Pressure, Pa	3	4	6	8	11	14	17	25	34
	Throw, m	0.3 - 0.3 - 1.3	0.3 - 0.5 - 1.3	0.3 - 1 - 1.5	0.5 - 1 - 1.8	0.5 - 1.3 - 2.3	1 - 1.3 - 2.5	1 - 1.3 - 2.8	1.3 - 1.5 - 3.3	1.3 - 1.8 - 3.3
	NC (Noise Criteria)	-	-	-	-	13	17	21	28	34
SIZE 8	Air Flow, l/s	66	82	99	115	132	148	165	198	231
	Total Pressure, Pa	4	7	10	14	18	23	28	40	55
	Throw, m	0.5 - 1 - 1.8	0.5 - 1.3 - 2.3	1 - 1.3 - 2.8	1 - 1.5 - 3	1.3 - 1.8 - 3.8	1.3 - 1.8 - 3.8	1.5 - 2.3 - 4	1.8 - 2.8 - 4.3	2.3 - 3 - 4.5
	NC (Noise Criteria)	-	-	-	12	17	21	25	32	38
SIZE 10	Air Flow, l/s	103	129	154	180	206	231	257	309	360
	Total Pressure, Pa	7	10	15	20	27	34	42	60	82
	Throw, m	1 - 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	2.5 - 3.8 - 5.5	3 - 4 - 5.8
	NC (Noise Criteria)	-	-	-	15	20	24	28	35	41
SIZE 12	Air Flow, l/s	148	185	222	259	296	333	370	445	519
	Total Pressure, Pa	9	15	21	29	37	47	59	84	115
	Throw, m	1.3 - 1.5 - 3.3	1.5 - 2.3 - 4.3	1.5 - 2.5 - 4.5	1.8 - 2.8 - 5	2.3 - 3.3 - 5.3	2.5 - 3.8 - 5.5	2.8 - 4.3 - 5.8	3.3 - 4.5 - 6.5	4 - 5 - 7
	NC (Noise Criteria)	-	-	12	18	23	27	31	38	43
SIZE 14	Air Flow, l/s	202	252	303	353	404	454	505	605	706
	Total Pressure, Pa	13	20	28	38	50	64	79	113	154
	Throw, m	1.3 - 2.3 - 4	1.8 - 2.5 - 5	2.3 - 3 - 5.3	2.5 - 3.8 - 5.8	2.8 - 4 - 6	3 - 4.5 - 6.5	3.3 - 5 - 7	4 - 5.3 - 7.5	4.5 - 5.8 - 8.3
	NC (Noise Criteria)	-	-	14	20	25	29	33	40	45
SIZE 15	Air Flow, l/s	232	290	347	405	463	521	579	695	811
	Total Pressure, Pa	14	22	32	44	57	73	90	129	176
	Throw, m	1.5 - 2.3 - 4.5	1.8 - 2.8 - 5.3	2.3 - 3.3 - 5.8	2.8 - 4 - 6	3 - 4.5 - 6.8	3.3 - 5 - 7	3.8 - 5.3 - 7.3	4.5 - 5.8 - 8	5.3 - 6 - 8.8
	NC (Noise Criteria)	-	-	15	21	26	30	34	41	46

- * Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.
- * Throw values are given for terminal velocities of .8, .5, and .3 mps.
- * Throw Values are given for Isothermal Conditions
- * N.C. 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 N.C. value of less than 10.
- * All pressures are given in pascals

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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