

PSS, 300mm x 300mm Module

Neck Velocity, m/s	1.5	2.0	2.5	3.0	3.6	4.1	5.1	6.1	7.1
Velocity Pressure, Pa	1	2	4	6	8	10	16	22	30

150mm Dia.	Air Flow, Liters/s	28	37	46	56	65	74	93	111	130
	Total Pressure, Pa	5	10	15	22	29	38	60	86	118
	NC (Noise Criterion)	-	-	16	22	27	32	39	45	50
	Throw, m	0.3 - 0.5 - 1.5	0.5 - 1 - 1.8	1 - 1.3 - 2.5	1 - 1.5 - 2.8	1.3 - 1.8 - 3	1.3 - 1.8 - 3	1.5 - 2.5 - 3.8	1.8 - 2.8 - 4	2.5 - 3 - 4.3

150mm x 150mm Neck	Air Flow, Liters/s	35	47	59	71	83	94	118	142	165
	Total Pressure, Pa	6	11	17	24	33	43	67	96	131
	NC (Noise Criterion)	-	-	17	23	28	33	40	46	51
	Throw, m	0.5 - 1 - 1.8	1 - 1.3 - 2.5	1 - 1.5 - 2.8	1.3 - 1.8 - 3	1.5 - 2.3 - 3.3	1.5 - 2.5 - 3.8	1.8 - 2.8 - 4	2.5 - 3 - 4.3	2.8 - 3.3 - 4.5

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
- 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.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

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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PSS, 600mm x 600mm Module

Neck Velocity, m/s		1.5	2.0	2.5	3.0	3.6	4.1	5.1	6.1	7.1
Velocity Pressure, Pa		1	2	4	6	8	10	16	22	30
150mm Dia.	Air Flow, Liters/s	28	37	46	56	65	74	93	111	130
	Total Pressure, Pa	4	7	11	16	22	29	45	64	88
	NC (Noise Criterion)	-	-	16	22	27	32	39	45	50
	Throw, m	0.5 - 0.5 - 1.5	0.5 - 1 - 1.8	1 - 1.3 - 2.5	1 - 1.5 - 2.8	1.3 - 1.8 - 3	1.3 - 1.8 - 3	1.5 - 2.5 - 3.8	1.8 - 2.8 - 4	2.5 - 3 - 4.3
150mm x 150mm Neck	Air Flow, Liters/s	35	47	59	71	83	94	118	142	165
	Total Pressure, Pa	4	7	12	17	23	30	46	67	91
	NC (Noise Criterion)	-	-	17	23	28	33	40	46	51
	Throw, m	0.5 - 1 - 1.8	1 - 1.3 - 2.5	1 - 1.5 - 2.8	1.3 - 1.8 - 3	1.5 - 2.3 - 3.3	1.5 - 2.5 - 3.8	1.8 - 2.8 - 4	2.5 - 3 - 4.3	2.8 - 3.3 - 4.5
200mm Dia.	Air Flow, Liters/s	49	66	82	99	115	132	165	198	231
	Total Pressure, Pa	4	8	12	18	24	32	50	72	97
	NC (Noise Criterion)	-	11	19	25	30	34	41	48	53
	Throw, m	0.5 - 1.3 - 2.3	1 - 1.5 - 3	1.3 - 1.8 - 3.3	1.5 - 2.3 - 3.8	1.8 - 2.8 - 4	1.8 - 3 - 4.3	2.5 - 3.3 - 4.5	3 - 3.8 - 5.3	3.3 - 4 - 5.5
200mm x 200mm Neck	Air Flow, Liters/s	63	84	105	126	147	168	210	252	294
	Total Pressure, Pa	5	8	13	19	26	34	53	76	104
	NC (Noise Criterion)	-	12	20	26	31	35	42	49	54
	Throw, m	1 - 1.3 - 2.8	1.3 - 1.8 - 3.3	1.5 - 2.3 - 3.8	1.8 - 2.8 - 4.3	2.3 - 3 - 4.5	2.5 - 3.3 - 5	2.8 - 3.8 - 5.3	3.3 - 4.3 - 5.8	3.8 - 4.5 - 6.5
250mm Dia.	Air Flow, Liters/s	77	103	129	154	180	206	257	309	360
	Total Pressure, Pa	5	9	14	20	28	36	56	81	110
	NC (Noise Criterion)	-	13	20	26	32	36	43	49	54
	Throw, m	1 - 1.5 - 3	1.3 - 1.8 - 3.8	1.5 - 2.5 - 4.3	1.8 - 3 - 4.5	2.5 - 3.3 - 5	2.8 - 3.8 - 5.3	3.3 - 4.3 - 5.8	3.8 - 4.5 - 6.5	4 - 5 - 7
250mm x 250mm Neck	Air Flow, Liters/s	98	131	164	197	229	262	328	393	459
	Total Pressure, Pa	5	10	15	22	30	39	61	88	120
	NC (Noise Criterion)	-	14	21	27	33	37	44	50	55
	Throw, m	1.3 - 1.8 - 3.3	1.5 - 2.5 - 4.3	1.8 - 2.8 - 4.5	2.5 - 3.3 - 5.3	2.8 - 4 - 5.5	3 - 4.3 - 6	4 - 4.5 - 6.8	4.3 - 5.3 - 7.3	4.5 - 5.5 - 8
300mm Dia.	Air Flow, Liters/s	111	148	185	222	259	297	371	445	519
	Total Pressure, Pa	6	10	16	23	31	41	64	92	126
	NC (Noise Criterion)	-	15	22	28	33	37	45	51	56
	Throw, m	1.3 - 1.8 - 3.8	1.5 - 2.5 - 4.5	2.3 - 3 - 5	2.5 - 3.8 - 5.5	2.8 - 4.3 - 5.8	3.3 - 4.5 - 6.5	4 - 5 - 7	4.5 - 5.5 - 7.5	5 - 5.8 - 8.3
300mm x 300mm Neck	Air Flow, Liters/s	142	189	236	283	330	378	472	566	661
	Total Pressure, Pa	5	9	14	20	28	36	57	82	111
	NC (Noise Criterion)	-	16	23	29	34	38	46	52	57
	Throw, m	1.5 - 2.3 - 4.3	1.8 - 2.8 - 5.3	2.5 - 3.8 - 5.5	2.8 - 4.3 - 6	3.3 - 4.5 - 6.8	3.8 - 5.3 - 7	4.5 - 5.5 - 8	5.3 - 6 - 8.8	5.5 - 6.8 - 9.5
350mm Dia.	Air Flow, Liters/s	151	202	252	303	353	404	505	605	706
	Total Pressure, Pa	5	9	14	21	28	37	57	82	112
	NC (Noise Criterion)	-	16	23	29	34	39	46	52	57
	Throw, m	1.5 - 2.3 - 4.5	1.8 - 3 - 5.3	2.5 - 3.8 - 5.8	3 - 4.5 - 6.5	3.3 - 5 - 7	4 - 5.3 - 7.3	5 - 5.8 - 8.3	5.3 - 6.5 - 9.3	5.5 - 7 - 9.8
400mm Dia.	Air Flow, Liters/s	198	264	329	395	461	527	659	791	923
	Total Pressure, Pa	5	9	15	21	29	37	59	84	115
	NC (Noise Criterion)	-	17	24	30	35	40	47	53	58
	Throw, m	1.8 - 2.5 - 5.3	2.3 - 3.3 - 6	2.8 - 4.3 - 6.8	3.3 - 5.3 - 7.3	4 - 5.5 - 8	4.5 - 6 - 8.5	5.5 - 6.8 - 9.5	6 - 7.3 - 10.3	6.5 - 8 - 11.3

- Throw values are given for terminal velocities of .8, .50, and .3 m/s.
- Throw Values are given for Isothermal Conditions
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