

TBD-10 Performance Data

150mm Inlet 1 Slot

25.4mm Slot Width	600mm Long	Air Flow,Liters/s	24	34	45	55	66	77	87
		Total Pressure, Pa	6	12	21	31	45	60	78
		Static Pressure, Pa	5	10	17	25	36	48	63
		NC (Noise Criteria)	-	18	25	30	35	38	41
		Throw, m	1.5 - 3 - 5.5	2.8 - 4.3 - 6.8	3.8 - 5.5 - 7.5	4.5 - 6 - 8.5	5.3 - 6.5 - 9.3	5.8 - 7 - 9.8	6 - 7.3 - 10.8
	1200mm Long	Air Flow,Liters/s	38	55	73	91	109	126	144
		Total Pressure, Pa	8	17	30	47	67	90	118
		Static Pressure, Pa	5	11	20	30	43	59	76
		NC (Noise Criteria)	-	17	24	29	34	37	41
		Throw, m	1.3 - 2.8 - 6.8	2.8 - 5 - 8.5	4.3 - 6.5 - 9.8	5.5 - 7.5 - 10.8	6.5 - 8.3 - 12	7.3 - 8.8 - 12.8	8 - 9.5 - 13.5

200mm Inlet 1 Slot

25.4mm Slot Width	600mm Long	Air Flow,Liters/s	24	37	50	63	76	88	101
		Total Pressure, Pa	4	11	20	32	46	63	83
		Static Pressure, Pa	4	10	18	29	42	57	75
		NC (Noise Criteria)	-	17	25	31	35	39	42
		Throw, m	1.5 - 3 - 5.5	3 - 4.5 - 6.8	4.3 - 5.5 - 8	5.3 - 6.5 - 8.8	5.8 - 7 - 9.8	6 - 7.5 - 10.8	6.8 - 8 - 11.3
	1200mm Long	Air Flow,Liters/s	47	66	85	104	123	142	160
		Total Pressure, Pa	7	14	23	34	47	63	81
		Static Pressure, Pa	5	10	17	25	36	47	61
		NC (Noise Criteria)	-	19	25	30	34	37	41
		Throw, m	1.8 - 4.3 - 7.5	4 - 5.8 - 9.3	5 - 7.3 - 10.3	6 - 8.3 - 11.5	7.3 - 8.8 - 12.5	7.5 - 9.5 - 13.5	8.3 - 10 - 14.3

250mm Inlet 1 Slot

25.4mm Slot Width	600mm Long	Air Flow,Liters/s	28	40	52	64	76	87	99
		Total Pressure, Pa	7	14	23	35	50	66	85
		Static Pressure, Pa	7	13	22	34	47	63	81
		NC (Noise Criteria)	-	18	24	29	33	37	40
		Throw, m	2.3 - 3.8 - 6	3.3 - 5.3 - 7	4.3 - 5.8 - 8.3	5.3 - 6.5 - 9.3	5.8 - 7 - 9.8	6 - 7.3 - 10.8	6.5 - 8 - 11.3
	1200mm Long	Air Flow,Liters/s	47	68	90	111	132	153	175
		Total Pressure, Pa	5	11	19	29	41	55	72
		Static Pressure, Pa	4	9	16	24	34	46	60
		NC (Noise Criteria)	-	18	25	30	34	38	41
		Throw, m	1.8 - 4.3 - 7.5	4 - 6 - 9.5	5.3 - 7.5 - 10.8	6.8 - 8.5 - 12	7.5 - 9.3 - 13	8 - 9.8 - 14	8.5 - 10.8 - 15

300mm Inlet 1 Slot

25.4mm Slot Width	1200mm Long	Air Flow,Liters/s	57	80	104	127	151	175	198
		Total Pressure, Pa	6	13	22	33	46	62	79
		Static Pressure, Pa	6	12	20	30	43	57	73
		NC (Noise Criteria)	-	19	25	30	34	38	41
		Throw, m	2.8 - 5 - 8.5	5 - 7 - 10	6 - 8.3 - 11.5	7.3 - 9.3 - 12.8	8 - 9.8 - 14	8.5 - 10.8 - 15	9.3 - 11.3 - 15.8

- 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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TBD-10 Performance Data

150mm Inlet 2 Slot

25.4mm Slot Width	600mm Long	Air Flow,Liters/s	42	59	76	92	109	125	142
		Total Pressure, Pa	10	20	32	48	67	89	114
		Static Pressure, Pa	7	13	21	31	43	58	74
		NC (Noise Criteria)	-	19	25	30	34	37	40
		Throw, m	1.5 - 3.8 - 7.3	3 - 5.3 - 8.5	4.5 - 6.8 - 9.8	5.5 - 7.5 - 11	6.5 - 8.3 - 12	7.3 - 8.8 - 12.5	7.5 - 9.5 - 13.5
	1200mm Long	Air Flow,Liters/s	71	87	104	120	137	153	170
		Total Pressure, Pa	21	32	46	61	79	100	122
		Static Pressure, Pa	11	17	24	32	42	53	65
		NC (Noise Criteria)	-	15	20	23	26	29	32
		Throw, m	1.5 - 3.3 - 8.8	2.5 - 5.3 - 10.8	3.3 - 6.5 - 11.5	4.5 - 7.5 - 12.5	5.8 - 8.5 - 13	6.5 - 9.8 - 14	7 - 10.3 - 14.8

200mm Inlet 2 Slot

25.4mm Slot Width	600mm Long	Air Flow,Liters/s	42	61	80	99	118	137	156
		Total Pressure, Pa	6	12	20	31	44	59	76
		Static Pressure, Pa	5	11	19	29	41	55	71
		NC (Noise Criteria)	-	17	24	29	33	37	40
		Throw, m	1.5 - 3.8 - 7.3	3.3 - 5.5 - 8.8	5 - 7 - 10	5.8 - 8 - 11.3	7 - 8.5 - 12.3	7.5 - 9.5 - 13	8.3 - 10 - 14
	1200mm Long	Air Flow,Liters/s	80	109	137	165	193	222	250
		Total Pressure, Pa	13	23	37	53	73	96	122
		Static Pressure, Pa	11	21	33	48	66	87	110
		NC (Noise Criteria)	-	18	24	28	32	35	38
		Throw, m	2.3 - 4.5 - 10	3.8 - 6.8 - 12	5.8 - 8.5 - 13	7 - 10.3 - 14.8	8.3 - 11 - 15.8	9.3 - 12 - 16.8	10.3 - 12.5 - 18

250mm Inlet 2 Slot

25.4mm Slot Width	600mm Long	Air Flow,Liters/s	47	68	90	111	132	153	175
		Total Pressure, Pa	5	11	19	29	41	55	72
		Static Pressure, Pa	5	11	18	28	39	53	69
		NC (Noise Criteria)	-	18	25	30	34	38	41
		Throw, m	1.8 - 4.3 - 7.5	4 - 6 - 9.5	5.3 - 7.5 - 10.8	6.8 - 8.5 - 12	7.5 - 9.3 - 13	8 - 9.8 - 14	8.5 - 10.8 - 15
	1200mm Long	Air Flow,Liters/s	83	122	160	199	238	277	316
		Total Pressure, Pa	8	18	32	49	70	94	123
		Static Pressure, Pa	8	17	29	45	64	87	113
		NC (Noise Criteria)	-	19	26	31	35	39	42
		Throw, m	2.3 - 5 - 10.3	4.5 - 7.5 - 12.5	6.8 - 10 - 14.3	8.3 - 11.3 - 15.8	10 - 12.3 - 17.3	11 - 13.5 - 19	11.5 - 14.3 - 20

300mm Inlet 2 Slot

25.4mm Slot Width	1200mm Long	Air Flow,Liters/s	94	135	175	215	255	295	335
		Total Pressure, Pa	6	13	21	32	45	60	78
		Static Pressure, Pa	6	12	20	30	43	57	74
		NC (Noise Criteria)	-	19	25	30	34	38	41
		Throw, m	2.8 - 5.8 - 11	5.5 - 8.5 - 13	7.3 - 10.8 - 15	8.8 - 11.5 - 16.5	10.3 - 12.8 - 18	11.3 - 13.8 - 19.5	12 - 14.8 - 20.8

- 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.

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TBD-10 Performance Data

150mm Inlet 1 Slot

38.1mm Slot Width	600mm Long	Air Flow, Liters/s	24	33	42	52	61	71	80
		Total Pressure, Pa	5	11	18	26	37	49	63
		Static Pressure, Pa	4	8	14	21	29	39	50
		NC (Noise Criteria)	-	17	24	29	33	37	40
		Throw, m	0.5 - 1.3 - 3	1 - 2.3 - 4	1.8 - 2.8 - 4.5	2.3 - 3.3 - 5	2.8 - 4 - 5.5	3 - 4 - 5.8	3.3 - 4.3 - 6
	1200mm Long	Air Flow, Liters/s	35	50	64	78	92	106	120
		Total Pressure, Pa	5	10	17	25	35	47	61
		Static Pressure, Pa	3	5	9	13	19	25	32
		NC (Noise Criteria)	-	18	24	30	34	37	41
		Throw, m	0.3 - 1 - 3.3	1 - 1.8 - 4.5	1.5 - 2.8 - 5.5	2.3 - 3.8 - 6	2.8 - 4.3 - 6.8	3.3 - 5 - 7	3.8 - 5.5 - 7.5

200mm Inlet 1 Slot

38.1mm Slot Width	600mm Long	Air Flow, Liters/s	28	40	52	64	76	87	99
		Total Pressure, Pa	8	17	28	43	60	80	103
		Static Pressure, Pa	8	16	26	40	56	74	96
		NC (Noise Criteria)	-	17	23	28	33	36	40
		Throw, m	1 - 1.8 - 3.8	1.5 - 2.5 - 4.3	2.3 - 3.3 - 5	2.8 - 4 - 5.5	3.3 - 4.3 - 6	3.8 - 4.5 - 6.5	4 - 5 - 7
	1200mm Long	Air Flow, Liters/s	42	60	78	96	113	131	149
		Total Pressure, Pa	5	10	16	25	35	46	60
		Static Pressure, Pa	3	7	12	18	25	33	43
		NC (Noise Criteria)	-	17	24	29	33	37	40
		Throw, m	0.5 - 1.5 - 4	1.3 - 2.8 - 5.5	2.3 - 3.8 - 6	2.8 - 4.3 - 6.8	3.3 - 5.3 - 7.3	4 - 5.5 - 8	4.5 - 6 - 8.5

250mm Inlet 1 Slot

38.1mm Slot Width	600mm Long	Air Flow, Liters/s	35	44	52	60	68	77	85
		Total Pressure, Pa	19	29	42	56	72	91	112
		Static Pressure, Pa	19	29	41	55	71	89	109
		NC (Noise Criteria)	-	15	19	23	26	29	32
		Throw, m	1.3 - 2.3 - 4	1.8 - 2.8 - 4.5	2.3 - 3.3 - 5	2.5 - 3.8 - 5.5	3 - 4 - 5.8	3.3 - 4.3 - 6	3.8 - 4.5 - 6.5
	1200mm Long	Air Flow, Liters/s	52	73	94	116	137	158	179
		Total Pressure, Pa	6	13	21	32	45	59	76
		Static Pressure, Pa	5	11	18	26	37	49	63
		NC (Noise Criteria)	-	19	25	30	34	38	41
		Throw, m	1 - 2.3 - 4.5	1.8 - 3.3 - 5.8	2.8 - 4.3 - 6.8	3.3 - 5.3 - 7.3	4.3 - 5.8 - 8	5 - 6 - 8.5	5.5 - 6.5 - 9.3

300mm Inlet 1 Slot

38.1mm Slot Width	1200mm Long	Air Flow, Liters/s	66	90	113	137	160	184	208
		Total Pressure, Pa	13	24	38	55	75	99	126
		Static Pressure, Pa	12	22	36	52	72	94	120
		NC (Noise Criteria)	-	18	24	29	33	36	39
		Throw, m	1.5 - 3 - 5.5	2.8 - 4 - 6.5	3.3 - 5.3 - 7.3	4.3 - 5.8 - 8	5 - 6 - 8.8	5.5 - 6.8 - 9.5	5.8 - 7 - 10

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TBD-10 Performance Data

150mm Inlet 2 Slot

38.1mm Slot Width	600mm Long	Air Flow,Liters/s	47	59	71	83	94	106	118
		Total Pressure, Pa	9	15	21	29	37	47	58
		Static Pressure, Pa	5	8	11	15	19	25	30
		NC (Noise Criteria)	17	22	27	31	34	37	40
		Throw, m	1 - 1.8 - 4.3	1.3 - 2.8 - 5.3	1.8 - 3.3 - 5.8	2.5 - 3.8 - 6.5	2.8 - 4.3 - 6.8	3.3 - 5 - 7	3.8 - 5.3 - 7.5
	1200mm Long	Air Flow,Liters/s	71	88	106	124	142	159	177
		Total Pressure, Pa	14	21	31	42	55	70	86
		Static Pressure, Pa	4	6	8	11	15	19	23
		NC (Noise Criteria)	18	23	28	32	35	38	41
		Throw, m	0.5 - 1.3 - 4.5	1 - 2.3 - 5.8	1.3 - 3 - 6.8	1.8 - 4 - 7.5	2.5 - 4.5 - 8.3	3 - 5.3 - 8.8	3.8 - 5.8 - 9.3

200mm Inlet 2 Slot

38.1mm Slot Width	600mm Long	Air Flow,Liters/s	57	67	78	88	99	110	120
		Total Pressure, Pa	9	12	16	21	27	33	39
		Static Pressure, Pa	6	9	12	15	19	23	28
		NC (Noise Criteria)	16	20	24	27	30	33	35
		Throw, m	1.3 - 2.5 - 5.3	1.5 - 3 - 5.8	2.3 - 3.8 - 6	2.8 - 4 - 6.5	3 - 4.5 - 7	3.3 - 5 - 7.3	3.8 - 5.5 - 7.5
	1200mm Long	Air Flow,Liters/s	85	109	132	156	179	203	227
		Total Pressure, Pa	10	16	24	33	44	56	70
		Static Pressure, Pa	4	7	10	15	19	25	31
		NC (Noise Criteria)	17	23	28	32	36	39	42
		Throw, m	1 - 1.8 - 5.5	1.5 - 3.3 - 7	2.3 - 4.3 - 8	3 - 5 - 8.5	4 - 5.8 - 9.3	4.3 - 6.5 - 9.8	5 - 7.3 - 10.3

250mm Inlet 2 Slot

38.1mm Slot Width	600mm Long	Air Flow,Liters/s	68	74	80	86	92	98	104
		Total Pressure, Pa	11	13	15	18	20	23	26
		Static Pressure, Pa	9	11	13	15	17	19	21
		NC (Noise Criteria)	17	19	21	23	24	26	27
		Throw, m	1.5 - 3 - 5.8	1.8 - 3.3 - 6	2.3 - 3.8 - 6	2.5 - 4 - 6.5	2.8 - 4.3 - 6.8	3 - 4.5 - 6.8	3 - 4.5 - 7
	1200mm Long	Air Flow,Liters/s	104	127	151	175	198	222	245
		Total Pressure, Pa	10	15	21	28	37	46	56
		Static Pressure, Pa	6	9	12	16	21	26	32
		NC (Noise Criteria)	18	23	28	31	34	37	40
		Throw, m	1.3 - 3 - 6.8	1.8 - 4 - 8	2.8 - 5 - 8.5	3.8 - 5.5 - 9.3	4.3 - 6.5 - 9.8	5 - 7 - 10.3	5.3 - 7.5 - 10.8

300mm Inlet 2 Slot

38.1mm Slot Width	1200mm Long	Air Flow,Liters/s	130	147	165	183	201	218	236
		Total Pressure, Pa	11	14	17	21	25	30	35
		Static Pressure, Pa	8	10	13	16	19	23	27
		NC (Noise Criteria)	18	21	24	27	29	31	33
		Throw, m	2.3 - 4.3 - 8	2.8 - 4.5 - 8.5	3.3 - 5.3 - 8.8	4 - 5.8 - 9.5	4.3 - 6.5 - 9.8	4.5 - 7 - 10	5.3 - 7.5 - 10.8

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