

**PTBSCDB, PTBSRCDB Performance Data: Horizontal/Vertical Throw**

IP/METRIC DATA: PTBSCDB, PTBSRCDB, 8" DOWNBLOW, 1-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data					NC	Metric Data					Octave Band, dB					
		Air Flow	Pressure		Horizontal Throw	Vertical Throw		Air Flow	Pressure		Horizontal Throw	Vertical Throw	2	3	4	5	6	7
			Ps	Pt					Ps	Pt								
		CFM	"WG	"WG	ft	ft		L/s	Pa	Pa	m	m						
<b>6" Oval Inlet</b>	2'	35	0.014	0.016	1 - 3 - 9	1 - 1 - 3	-	17	3.4	3.9	0.3 - 0.8 - 2.7	0.2 - 0.4 - 0.8	29	24	19	-	-	-
		85	0.081	0.093	7 - 11 - 19	2 - 3 - 6	22	40	20.1	23.3	2.0 - 3.3 - 5.8	0.6 - 0.9 - 1.9	44	41	38	29	26	19
		110	0.135	0.157	9 - 14 - 22	3 - 4 - 7	29	52	33.6	39.0	2.9 - 4.3 - 6.6	0.8 - 1.2 - 2.2	48	46	43	36	34	27
		135	0.203	0.236	12 - 17 - 24	3 - 5 - 8	34	64	50.6	58.7	3.5 - 5.2 - 7.3	1.0 - 1.5 - 2.5	51	50	47	42	41	34
		185	0.382	0.443	16 - 20 - 28	4 - 7 - 9	41	87	95.0	110.2	4.8 - 6.1 - 8.6	1.3 - 2.0 - 2.9	57	57	54	50	51	43
<b>8" Oval Inlet</b>	2'	35	0.009	0.010	1 - 3 - 9	1 - 1 - 3	-	17	2.2	2.5	0.3 - 0.8 - 2.7	0.2 - 0.4 - 0.8	26	21	18	-	-	-
		95	0.066	0.073	8 - 12 - 20	2 - 3 - 7	21	45	16.5	18.1	2.5 - 3.7 - 6.2	0.7 - 1.0 - 2.1	43	41	39	25	24	14
		125	0.115	0.126	11 - 16 - 23	3 - 4 - 8	28	59	28.6	31.3	3.3 - 4.9 - 7.1	0.9 - 1.4 - 2.4	47	46	44	33	32	23
		155	0.177	0.193	13 - 18 - 26	4 - 6 - 9	33	73	43.9	48.1	4.1 - 5.6 - 7.9	1.1 - 1.7 - 2.6	51	51	49	39	39	30
		215	0.340	0.371	18 - 22 - 30	5 - 7 - 10	41	101	84.6	92.5	5.3 - 6.6 - 9.3	1.6 - 2.2 - 3.1	56	57	56	48	49	40
<b>10" Oval Inlet</b>	2'	35	0.007	0.007	1 - 3 - 9	1 - 1 - 3	-	17	1.7	1.8	0.3 - 0.8 - 2.7	0.2 - 0.4 - 0.8	24	19	17	-	-	-
		100	0.055	0.058	9 - 13 - 21	2 - 4 - 7	20	47	13.6	14.5	2.6 - 3.9 - 6.3	0.7 - 1.1 - 2.1	42	40	39	22	21	-
		133	0.096	0.102	11 - 17 - 24	3 - 5 - 8	27	63	23.9	25.5	3.5 - 5.1 - 7.3	1.0 - 1.4 - 2.4	46	46	45	30	30	19
		165	0.149	0.159	14 - 19 - 27	4 - 6 - 9	32	78	37.0	39.5	4.3 - 5.7 - 8.1	1.2 - 1.8 - 2.7	50	50	49	36	37	26
		230	0.289	0.308	18 - 22 - 32	6 - 7 - 11	40	109	72.0	76.8	5.5 - 6.8 - 9.6	1.7 - 2.3 - 3.2	56	57	56	45	47	37

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values for horizontal and vertical throw are given at isothermal conditions. Airflow is given for the length of the unit. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See selection software for performance data not shown, including octave band data.

PTBSCDB - PTBSRCDB

**PTBSCDB, PTBSRCDB Performance Data: Horizontal/Vertical Throw**

IP/METRIC DATA: PTBSCDB, PTBSRCDB, 12" DOWNBLOW, 1-SLOT, 1-WAY (NO DAMPER)

	Linear Length	IP Data					NC	Metric Data					Octave Band, dB						
		Air Flow	Pressure		Horizontal Throw	Vertical Throw		Air Flow	Pressure		Horizontal Throw	Vertical Throw	2	3	4	5	6	7	
			Ps	Pt					Ps	Pt									L/s
		CFM	"WG	"WG	ft	ft		L/s	Pa	Pa	m	m	2	3	4	5	6	7	
6" Oval Inlet	3'	50	0.017	0.022	1 - 3 - 11	1 - 1 - 3	-	24	4.3	5.4	0.4 - 0.9 - 3.2	0.3 - 0.4 - 0.9	30	25	19	-	-	-	
		110	0.083	0.104	6 - 12 - 22	2 - 3 - 6	22	52	20.6	26.0	1.8 - 3.5 - 6.6	0.7 - 1.0 - 2.0	44	41	35	30	27	21	
		140	0.134	0.169	10 - 15 - 25	3 - 4 - 8	28	66	33.4	42.1	3.0 - 4.5 - 7.5	0.8 - 1.2 - 2.5	48	45	41	37	35	29	
		170	0.198	0.249	12 - 18 - 27	3 - 5 - 9	33	80	49.2	62.1	3.6 - 5.4 - 8.2	1.0 - 1.5 - 2.8	51	49	45	42	41	35	
		230	0.362	0.456	16 - 22 - 32	4 - 7 - 11	40	109	90.1	113.6	4.9 - 6.8 - 9.6	1.4 - 2.1 - 3.2	56	55	51	51	50	44	
	4'	80	0.025	0.037	2 - 5 - 15	1 - 2 - 4	-	38	6.3	9.2	0.7 - 1.5 - 4.7	0.4 - 0.5 - 1.1	36	31	24	19	13	-	
		140	0.078	0.113	7 - 14 - 26	2 - 3 - 6	24	66	19.3	28.1	2.0 - 4.1 - 7.9	0.6 - 0.9 - 1.9	45	42	36	34	31	27	
		170	0.115	0.166	10 - 16 - 29	2 - 4 - 7	29	80	28.5	41.4	3.0 - 5.0 - 8.7	0.8 - 1.1 - 2.3	48	46	40	40	37	33	
		200	0.159	0.230	13 - 19 - 31	3 - 4 - 9	33	94	39.5	57.3	3.9 - 5.9 - 9.5	0.9 - 1.3 - 2.6	51	49	43	44	42	38	
		260	0.268	0.389	17 - 25 - 36	4 - 6 - 10	39	123	66.7	96.8	5.1 - 7.6 - 10.8	1.2 - 1.7 - 3.0	55	54	49	52	50	46	
	5'	100	0.025	0.043	3 - 6 - 18	1 - 2 - 4	13	47	6.3	10.7	0.8 - 1.7 - 5.4	0.4 - 0.5 - 1.1	37	32	24	23	17	14	
		170	0.073	0.125	7 - 15 - 30	2 - 3 - 6	26	80	18.2	31.0	2.2 - 4.6 - 9.0	0.6 - 0.9 - 1.8	46	43	36	38	34	31	
		205	0.106	0.181	11 - 18 - 33	2 - 4 - 7	31	97	26.4	45.1	3.2 - 5.6 - 9.9	0.7 - 1.1 - 2.2	49	47	40	43	40	37	
		240	0.145	0.248	14 - 21 - 35	3 - 4 - 8	34	113	36.2	61.8	4.3 - 6.5 - 10.7	0.9 - 1.3 - 2.5	52	50	43	47	45	42	
		310	0.243	0.414	18 - 28 - 40	4 - 5 - 9	41	146	60.4	103.2	5.6 - 8.4 - 12.2	1.1 - 1.7 - 2.9	56	55	48	54	53	50	
8" Oval Inlet	3'	50	0.012	0.013	1 - 3 - 11	1 - 1 - 3	-	24	2.9	3.3	0.4 - 0.9 - 3.2	0.3 - 0.4 - 0.9	28	22	18	-	-	-	
		120	0.067	0.077	7 - 13 - 23	2 - 4 - 7	20	57	16.7	19.2	2.2 - 3.8 - 6.9	0.7 - 1.1 - 2.1	42	40	36	26	24	16	
		155	0.112	0.129	11 - 16 - 26	3 - 5 - 9	27	73	27.9	32.0	3.3 - 5.0 - 7.9	0.9 - 1.4 - 2.6	47	45	41	33	32	24	
		190	0.169	0.193	13 - 20 - 29	4 - 6 - 10	32	90	42.0	48.2	4.1 - 6.1 - 8.7	1.1 - 1.7 - 2.9	50	49	46	39	38	30	
		260	0.316	0.362	18 - 24 - 34	5 - 8 - 11	39	123	78.6	90.2	5.5 - 7.2 - 10.2	1.5 - 2.3 - 3.4	55	55	52	48	48	40	
	4'	80	0.018	0.023	2 - 5 - 15	1 - 2 - 4	-	38	4.6	5.7	0.7 - 1.5 - 4.7	0.4 - 0.5 - 1.1	33	28	23	12	-	-	
		160	0.074	0.091	9 - 15 - 28	2 - 4 - 7	24	76	18.4	22.8	2.7 - 4.7 - 8.5	0.7 - 1.1 - 2.1	45	42	37	32	29	23	
		200	0.115	0.143	13 - 19 - 31	3 - 4 - 9	29	94	28.7	35.6	3.9 - 5.9 - 9.5	0.9 - 1.3 - 2.6	48	46	42	38	36	30	
		240	0.166	0.206	15 - 23 - 34	4 - 5 - 9	34	113	41.3	51.2	4.7 - 7.1 - 10.4	1.1 - 1.6 - 2.8	51	50	46	43	42	36	
		320	0.295	0.366	21 - 28 - 39	5 - 7 - 11	41	151	73.5	91.1	6.3 - 8.5 - 12.0	1.4 - 2.1 - 3.3	56	56	52	51	51	45	
	5'	100	0.020	0.027	3 - 6 - 18	1 - 2 - 4	-	47	5.0	6.7	0.8 - 1.7 - 5.4	0.4 - 0.5 - 1.1	35	30	23	16	11	-	
		180	0.064	0.087	8 - 16 - 31	2 - 3 - 6	24	85	16.0	21.6	2.5 - 4.9 - 9.3	0.6 - 1.0 - 1.9	44	41	36	33	29	24	
		220	0.096	0.130	12 - 20 - 34	3 - 4 - 8	28	104	24.0	32.3	3.7 - 6.0 - 10.3	0.8 - 1.2 - 2.4	48	45	40	38	36	31	
		260	0.134	0.181	15 - 23 - 37	3 - 5 - 9	32	123	33.5	45.1	4.7 - 7.1 - 11.2	0.9 - 1.4 - 2.6	51	49	43	43	41	36	
		340	0.230	0.310	20 - 30 - 42	4 - 6 - 10	39	160	57.3	77.1	6.2 - 9.0 - 12.8	1.2 - 1.8 - 3.0	55	54	49	50	49	44	
10" Oval Inlet	3'	50	0.009	0.010	1 - 3 - 11	1 - 1 - 3	-	24	2.2	2.4	0.4 - 0.9 - 3.2	0.3 - 0.4 - 0.9	26	20	17	-	-	-	
		130	0.060	0.066	8 - 14 - 24	3 - 4 - 8	20	61	14.8	16.3	2.6 - 4.2 - 7.2	0.8 - 1.2 - 2.3	42	39	37	24	22	13	
		170	0.102	0.112	12 - 18 - 27	3 - 5 - 9	26	80	25.3	28.0	3.6 - 5.4 - 8.2	1.0 - 1.5 - 2.8	46	45	43	31	30	21	
		210	0.155	0.171	15 - 21 - 30	4 - 6 - 10	31	99	38.7	42.7	4.5 - 6.5 - 9.2	1.2 - 1.9 - 3.1	50	49	47	37	37	28	
		290	0.296	0.327	20 - 25 - 35	6 - 8 - 12	39	137	73.8	81.4	6.2 - 7.6 - 10.8	1.7 - 2.5 - 3.6	55	55	54	46	47	38	
	4'	80	0.014	0.017	2 - 5 - 15	1 - 2 - 4	-	38	3.6	4.1	0.7 - 1.5 - 4.7	0.4 - 0.5 - 1.1	31	26	22	-	-	-	
		170	0.064	0.075	10 - 16 - 29	2 - 4 - 7	23	80	16.0	18.6	3.0 - 5.0 - 8.7	0.8 - 1.1 - 2.3	44	41	38	29	27	19	
		215	0.103	0.120	14 - 21 - 32	3 - 5 - 9	28	101	25.6	29.8	4.2 - 6.3 - 9.8	1.0 - 1.4 - 2.7	48	46	43	35	34	27	
		260	0.151	0.175	17 - 25 - 36	4 - 6 - 10	33	123	37.5	43.6	5.1 - 7.6 - 10.8	1.2 - 1.7 - 3.0	51	50	47	41	40	33	
		350	0.273	0.317	23 - 29 - 41	5 - 8 - 11	40	165	67.9	79.0	6.9 - 8.9 - 12.5	1.6 - 2.3 - 3.4	56	56	53	49	49	42	
	5'	100	0.016	0.019	3 - 6 - 18	1 - 2 - 4	-	47	3.9	4.8	0.8 - 1.7 - 5.4	0.4 - 0.5 - 1.1	33	28	22	12	-	-	
		200	0.063	0.078	10 - 18 - 32	2 - 4 - 7	23	94	15.7	19.3	3.1 - 5.4 - 9.8	0.7 - 1.1 - 2.1	44	42	37	31	28	22	
		250	0.099	0.121	15 - 22 - 36	3 - 4 - 9	29	118	24.6	30.2	4.5 - 6.8 - 10.9	0.9 - 1.3 - 2.6	48	46	42	37	35	29	
		300	0.142	0.175	18 - 27 - 39	4 - 5 - 9	33	142	35.4	43.5	5.4 - 8.1 - 12.0	1.1 - 1.6 - 2.8	51	50	46	42	41	35	
		400	0.253	0.311	24 - 32 - 46	5 - 7 - 11	40	189	62.9	77.4	7.2 - 9.8 - 13.8	1.4 - 2.1 - 3.3	56	56	52	50	50	44	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values for horizontal and vertical throw are given at isothermal conditions. Airflow is given for the length of the unit. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See selection software for performance data not shown, including octave band data.

**PTBSCDB, PTBSRCDB Performance Data: Horizontal/Vertical Throw**

IP/METRIC DATA: PTBSCDB, PTBSRCDB, 15" DOWNBLOW, 1-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data					NC	Metric Data					Octave Band, dB						
		Air Flow	Pressure		Horizontal Throw	Vertical Throw		Air Flow	Pressure		Horizontal Throw	Vertical Throw							
			Ps	Pt					L/s	Pa			Pa	m	m				
		CFM	"WG	"WG	ft	ft		L/s	Pa	Pa	m	m	2	3	4	5	6	7	
6" Oval Inlet	3'	50	0.020	0.025	1 - 3 - 10	1 - 1 - 3	-	24	5.0	6.1	0.4 - 0.8 - 3.0	0.3 - 0.4 - 0.9	30	24	19	-	-	-	
		110	0.098	0.119	6 - 11 - 20	2 - 3 - 6	21	52	24.3	29.7	1.7 - 3.3 - 6.2	0.7 - 1.0 - 2.0	43	40	35	28	25	19	
		140	0.158	0.193	9 - 14 - 23	3 - 4 - 8	27	66	39.4	48.1	2.8 - 4.2 - 7.0	0.8 - 1.2 - 2.5	47	45	40	35	33	27	
		170	0.233	0.285	11 - 17 - 25	3 - 5 - 9	32	80	58.1	70.9	3.4 - 5.1 - 7.7	1.0 - 1.5 - 2.8	50	49	44	40	39	33	
		230	0.427	0.521	15 - 21 - 29	4 - 7 - 11	39	109	106.3	129.8	4.6 - 6.3 - 9.0	1.4 - 2.1 - 3.2	55	55	51	49	48	42	
	4'	80	0.029	0.040	2 - 5 - 15	1 - 2 - 4	-	38	7.1	10.0	0.6 - 1.4 - 4.5	0.4 - 0.5 - 1.1	35	30	24	18	12	-	
		150	0.101	0.141	7 - 14 - 26	2 - 3 - 7	25	71	25.1	35.1	2.2 - 4.2 - 7.9	0.7 - 1.0 - 2.0	46	43	37	35	32	27	
		185	0.154	0.215	11 - 17 - 29	3 - 4 - 8	30	87	38.2	53.5	3.4 - 5.2 - 8.7	0.8 - 1.2 - 2.5	49	47	41	41	38	34	
		220	0.217	0.304	14 - 20 - 31	3 - 5 - 9	35	104	54.1	75.6	4.1 - 6.2 - 9.5	1.0 - 1.5 - 2.7	52	51	45	46	44	39	
		290	0.377	0.528	18 - 25 - 36	4 - 6 - 10	41	137	93.9	131.4	5.4 - 7.7 - 10.9	1.3 - 1.9 - 3.1	57	56	51	54	53	48	
	5'	100	0.028	0.046	2 - 6 - 17	1 - 2 - 4	13	47	7.0	11.5	0.7 - 1.7 - 5.3	0.4 - 0.5 - 1.1	37	32	24	22	16	13	
		170	0.081	0.133	7 - 15 - 29	2 - 3 - 6	25	80	20.2	33.1	2.2 - 4.5 - 8.7	0.6 - 0.9 - 1.8	46	43	35	37	33	30	
		205	0.118	0.193	10 - 18 - 32	2 - 4 - 7	30	97	29.4	48.1	3.1 - 5.4 - 9.6	0.7 - 1.1 - 2.2	49	46	39	42	39	36	
		240	0.162	0.265	14 - 21 - 34	3 - 4 - 8	34	113	40.3	66.0	4.2 - 6.3 - 10.4	0.9 - 1.3 - 2.5	52	50	43	46	44	40	
		310	0.270	0.442	18 - 27 - 39	4 - 5 - 9	40	146	67.3	110.1	5.4 - 8.2 - 11.8	1.1 - 1.7 - 2.9	56	55	48	54	52	49	
8" Oval Inlet	3'	50	0.014	0.015	1 - 3 - 10	1 - 1 - 3	-	24	3.4	3.8	0.4 - 0.8 - 3.0	0.3 - 0.4 - 0.9	27	21	17	-	-	-	
		130	0.092	0.103	8 - 13 - 22	3 - 4 - 8	21	61	22.9	25.8	2.4 - 3.9 - 6.7	0.8 - 1.2 - 2.3	43	40	37	26	24	16	
		170	0.157	0.177	11 - 17 - 25	3 - 5 - 9	28	80	39.1	44.1	3.4 - 5.1 - 7.7	1.0 - 1.5 - 2.8	47	46	43	34	33	25	
		210	0.240	0.270	14 - 20 - 28	4 - 6 - 10	33	99	59.7	67.2	4.2 - 6.1 - 8.6	1.2 - 1.9 - 3.1	51	50	48	40	39	31	
		290	0.457	0.515	19 - 23 - 33	6 - 8 - 12	41	137	113.8	128.2	5.8 - 7.1 - 10.1	1.7 - 2.5 - 3.6	56	57	54	49	50	41	
	4'	80	0.021	0.025	2 - 5 - 15	1 - 2 - 4	-	38	5.1	6.2	0.6 - 1.4 - 4.5	0.4 - 0.5 - 1.1	33	28	22	11	-	-	
		160	0.082	0.100	8 - 15 - 27	2 - 4 - 7	23	76	20.4	24.8	2.6 - 4.5 - 8.1	0.7 - 1.1 - 2.1	44	41	37	30	28	21	
		200	0.128	0.156	12 - 19 - 30	3 - 4 - 9	28	94	31.9	38.8	3.8 - 5.6 - 9.1	0.9 - 1.3 - 2.6	48	46	42	37	35	28	
		240	0.185	0.224	15 - 22 - 33	4 - 5 - 9	33	113	46.0	55.9	4.5 - 6.8 - 9.9	1.1 - 1.6 - 2.8	51	50	45	42	40	34	
		320	0.328	0.399	20 - 27 - 38	5 - 7 - 11	40	151	81.8	99.3	6.0 - 8.1 - 11.5	1.4 - 2.1 - 3.3	56	55	51	50	49	43	
	5'	100	0.022	0.029	2 - 6 - 17	1 - 2 - 4	-	47	5.4	7.1	0.7 - 1.7 - 5.3	0.4 - 0.5 - 1.1	34	29	23	15	-	-	
		190	0.078	0.103	9 - 16 - 30	2 - 3 - 7	24	90	19.5	25.7	2.7 - 5.0 - 9.2	0.7 - 1.0 - 2.0	45	42	37	33	30	25	
		235	0.120	0.158	14 - 20 - 34	3 - 4 - 8	29	111	29.8	39.3	4.1 - 6.2 - 10.3	0.8 - 1.3 - 2.5	49	46	41	39	37	32	
		280	0.170	0.224	16 - 24 - 37	3 - 5 - 9	34	132	42.3	55.8	4.9 - 7.4 - 11.2	1.0 - 1.5 - 2.7	51	50	45	44	42	37	
		370	0.297	0.391	21 - 30 - 42	4 - 7 - 10	41	175	73.9	97.4	6.5 - 9.1 - 12.9	1.3 - 2.0 - 3.2	56	56	51	52	51	46	
10" Oval Inlet	3'	50	0.010	0.011	1 - 3 - 10	1 - 1 - 3	-	24	2.5	2.8	0.4 - 0.8 - 3.0	0.3 - 0.4 - 0.9	25	20	17	-	-	-	
		140	0.080	0.087	9 - 14 - 23	3 - 4 - 8	20	66	19.9	21.7	2.8 - 4.2 - 7.0	0.8 - 1.2 - 2.5	42	40	38	24	22	13	
		185	0.140	0.152	12 - 18 - 26	4 - 5 - 9	27	87	34.7	37.8	3.7 - 5.5 - 8.0	1.1 - 1.6 - 2.9	47	46	44	32	31	22	
		230	0.216	0.235	15 - 21 - 29	4 - 7 - 11	32	109	53.7	58.5	4.6 - 6.3 - 9.0	1.4 - 2.1 - 3.2	50	50	49	38	38	29	
		320	0.418	0.455	20 - 25 - 35	6 - 9 - 12	41	151	104.0	113.2	6.1 - 7.5 - 10.6	1.9 - 2.7 - 3.8	56	57	56	47	48	39	
	4'	80	0.016	0.018	2 - 5 - 15	1 - 2 - 4	-	38	3.9	4.5	0.6 - 1.4 - 4.5	0.4 - 0.5 - 1.1	31	26	22	-	-	-	
		180	0.080	0.092	11 - 17 - 28	3 - 4 - 8	23	85	19.9	22.8	3.2 - 5.1 - 8.6	0.8 - 1.2 - 2.4	44	42	39	29	27	20	
		230	0.130	0.149	14 - 21 - 32	3 - 5 - 9	29	109	32.4	37.2	4.3 - 6.5 - 9.7	1.0 - 1.5 - 2.8	48	47	44	36	35	27	
		280	0.193	0.222	17 - 25 - 35	4 - 6 - 10	34	132	48.1	55.2	5.3 - 7.6 - 10.7	1.2 - 1.9 - 3.1	52	51	48	42	41	33	
		380	0.356	0.408	23 - 29 - 41	6 - 8 - 12	41	179	88.6	101.6	7.1 - 8.8 - 12.5	1.7 - 2.5 - 3.6	57	57	54	50	51	43	
	5'	100	0.017	0.021	2 - 6 - 17	1 - 2 - 4	-	47	4.3	5.2	0.7 - 1.7 - 5.3	0.4 - 0.5 - 1.1	33	28	22	11	-	-	
		200	0.068	0.083	10 - 17 - 31	2 - 4 - 7	23	94	17.0	20.6	3.0 - 5.3 - 9.5	0.7 - 1.1 - 2.1	44	41	37	30	28	21	
		250	0.107	0.130	14 - 22 - 35	3 - 4 - 9	28	118	26.6	32.2	4.4 - 6.6 - 10.6	0.9 - 1.3 - 2.6	48	46	42	36	35	28	
		300	0.154	0.186	17 - 26 - 38	4 - 5 - 9	33	142	38.3	46.4	5.3 - 7.9 - 11.6	1.1 - 1.6 - 2.8	51	49	45	42	40	34	
		400	0.274	0.332	23 - 31 - 44	5 - 7 - 11	40	189	68.1	82.6	7.0 - 9.5 - 13.4	1.4 - 2.1 - 3.3	56	55	51	50	49	43	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values for horizontal and vertical throw are given at isothermal conditions. Airflow is given for the length of the unit. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See selection software for performance data not shown, including octave band data.

PTBSCDB - PTBSRCDB

**PTBSCDB, PTBSRCDB Performance Data: Horizontal/Vertical Throw**

IP/METRIC DATA: PTBSCDB, PTBSRCDB, 18" DOWNBLOW, 1-SLOT, 1-WAY (NO DAMPER)

	Linear Length	IP Data					NC	Metric Data					Octave Band, dB						
		Air Flow	Pressure		Horizontal Throw	Vertical Throw		Air Flow	Pressure		Horizontal Throw	Vertical Throw	2	3	4	5	6	7	
			P <sub>s</sub>	P <sub>t</sub>					P <sub>s</sub>	P <sub>t</sub>									L/s
		CFM	"WG	"WG	ft	ft		L/s	Pa	Pa	m	m	2	3	4	5	6	7	
6" Oval Inlet	3'	50	0.024	0.029	1 - 2 - 9	1 - 1 - 3	-	24	6.0	7.2	0.3 - 0.7 - 2.8	0.3 - 0.4 - 0.9	26	20	15	-	-	-	
		130	0.164	0.194	7 - 12 - 21	3 - 4 - 8	20	61	40.9	48.4	2.2 - 3.6 - 6.2	0.8 - 1.2 - 2.3	42	39	35	26	24	17	
		170	0.281	0.332	10 - 15 - 23	3 - 5 - 9	27	80	69.9	82.8	3.1 - 4.7 - 7.1	1.0 - 1.5 - 2.8	47	45	41	34	32	25	
		210	0.428	0.507	13 - 18 - 26	4 - 6 - 10	32	99	106.7	126.3	3.9 - 5.6 - 7.9	1.2 - 1.9 - 3.1	50	49	45	40	39	32	
		290	0.817	0.967	18 - 22 - 31	6 - 8 - 12	40	137	203.4	240.8	5.4 - 6.6 - 9.3	1.7 - 2.5 - 3.6	55	55	52	49	49	42	
	4'	80	0.033	0.044	2 - 5 - 14	1 - 2 - 4	-	38	8.1	11.0	0.6 - 1.4 - 4.3	0.4 - 0.5 - 1.1	33	28	21	14	-	-	
		160	0.131	0.177	8 - 14 - 25	2 - 4 - 7	24	76	32.6	44.0	2.4 - 4.3 - 7.7	0.7 - 1.1 - 2.1	45	42	36	33	30	25	
		200	0.205	0.276	12 - 18 - 28	3 - 4 - 9	29	94	50.9	68.7	3.6 - 5.4 - 8.7	0.9 - 1.3 - 2.6	48	46	41	39	37	32	
		240	0.295	0.397	14 - 21 - 31	4 - 5 - 9	34	113	73.3	99.0	4.3 - 6.4 - 9.5	1.1 - 1.6 - 2.8	51	50	44	44	42	38	
		320	0.524	0.707	19 - 25 - 36	5 - 7 - 11	41	151	130.4	175.9	5.7 - 7.7 - 10.9	1.4 - 2.1 - 3.3	56	56	50	52	51	47	
	5'	100	0.031	0.049	2 - 5 - 17	1 - 2 - 4	-	47	7.8	12.3	0.7 - 1.6 - 5.1	0.4 - 0.5 - 1.1	36	30	23	19	13	-	
		180	0.102	0.160	8 - 15 - 29	2 - 3 - 6	25	85	25.3	39.8	2.3 - 4.6 - 8.7	0.6 - 1.0 - 1.9	45	42	35	35	32	28	
		220	0.152	0.239	11 - 18 - 32	3 - 4 - 8	30	104	37.9	59.4	3.5 - 5.6 - 9.6	0.8 - 1.2 - 2.4	49	46	39	41	38	34	
		260	0.212	0.333	14 - 22 - 34	3 - 5 - 9	34	123	52.9	83.0	4.4 - 6.6 - 10.4	0.9 - 1.4 - 2.6	51	49	43	46	43	40	
		340	0.363	0.570	19 - 28 - 39	4 - 6 - 10	40	160	90.4	141.9	5.8 - 8.4 - 11.9	1.2 - 1.8 - 3.0	56	55	48	53	52	48	
8" Oval Inlet	3'	50	0.016	0.018	1 - 2 - 9	1 - 1 - 3	-	24	4.0	4.4	0.3 - 0.7 - 2.8	0.3 - 0.4 - 0.9	24	17	14	-	-	-	
		130	0.109	0.121	7 - 12 - 21	3 - 4 - 8	16	61	27.2	30.1	2.2 - 3.6 - 6.2	0.8 - 1.2 - 2.3	39	37	34	20	17	-	
		170	0.187	0.206	10 - 15 - 23	3 - 5 - 9	23	80	46.4	51.4	3.1 - 4.7 - 7.1	1.0 - 1.5 - 2.8	44	42	39	27	26	17	
		210	0.285	0.315	13 - 18 - 26	4 - 6 - 10	28	99	70.9	78.4	3.9 - 5.6 - 7.9	1.2 - 1.9 - 3.1	47	46	44	33	32	24	
		290	0.543	0.601	18 - 22 - 31	6 - 8 - 12	36	137	135.1	149.6	5.4 - 6.6 - 9.3	1.7 - 2.5 - 3.6	53	53	51	42	43	34	
	4'	80	0.023	0.027	2 - 5 - 14	1 - 2 - 4	-	38	5.7	6.8	0.6 - 1.4 - 4.3	0.4 - 0.5 - 1.1	30	25	20	-	-	-	
		170	0.104	0.124	9 - 15 - 26	2 - 4 - 7	21	80	25.9	30.8	2.8 - 4.6 - 8.0	0.8 - 1.1 - 2.3	43	40	36	28	25	19	
		215	0.166	0.198	13 - 19 - 30	3 - 5 - 9	27	101	41.4	49.3	3.8 - 5.8 - 9.0	1.0 - 1.4 - 2.7	47	45	41	35	33	26	
		260	0.243	0.290	15 - 23 - 32	4 - 6 - 10	32	123	60.5	72.1	4.7 - 7.0 - 9.9	1.2 - 1.7 - 3.0	50	49	45	40	39	32	
		350	0.441	0.525	21 - 27 - 38	5 - 8 - 11	39	165	109.7	130.7	6.3 - 8.1 - 11.4	1.6 - 2.3 - 3.4	55	55	51	48	48	41	
	5'	100	0.024	0.031	2 - 5 - 17	1 - 2 - 4	-	47	5.9	7.6	0.7 - 1.6 - 5.1	0.4 - 0.5 - 1.1	33	28	21	12	-	-	
		200	0.095	0.122	9 - 17 - 30	2 - 4 - 7	23	94	23.6	30.5	2.9 - 5.1 - 9.2	0.7 - 1.1 - 2.1	44	41	36	32	29	23	
		250	0.148	0.191	14 - 21 - 34	3 - 4 - 9	29	118	36.9	47.6	4.2 - 6.4 - 10.2	0.9 - 1.3 - 2.6	48	46	41	38	36	30	
		300	0.213	0.276	17 - 25 - 37	4 - 5 - 9	33	142	53.2	68.6	5.1 - 7.6 - 11.2	1.1 - 1.6 - 2.8	51	50	45	43	41	36	
		400	0.379	0.490	22 - 30 - 43	5 - 7 - 11	40	189	94.5	122.0	6.8 - 9.2 - 12.9	1.4 - 2.1 - 3.3	56	55	51	51	50	45	
10" Oval Inlet	3'	50	0.012	0.013	1 - 2 - 9	1 - 1 - 3	-	24	3.0	3.2	0.3 - 0.7 - 2.8	0.3 - 0.4 - 0.9	22	16	13	-	-	-	
		160	0.123	0.133	10 - 15 - 23	3 - 5 - 9	19	76	30.7	33.0	3.0 - 4.4 - 6.9	1.0 - 1.4 - 2.7	41	39	37	21	20	-	
		215	0.223	0.239	13 - 19 - 26	4 - 6 - 10	26	101	55.5	59.6	4.0 - 5.7 - 8.0	1.3 - 1.9 - 3.1	46	45	44	29	29	19	
		270	0.351	0.378	16 - 21 - 30	5 - 8 - 11	31	127	87.4	94.0	5.0 - 6.4 - 9.0	1.6 - 2.4 - 3.5	50	49	48	36	36	26	
		380	0.696	0.748	20 - 25 - 35	7 - 10 - 14	40	179	173.2	186.3	6.2 - 7.5 - 10.7	2.3 - 2.9 - 4.1	55	56	56	45	47	37	
	4'	80	0.018	0.020	2 - 5 - 14	1 - 2 - 4	-	38	4.4	5.0	0.6 - 1.4 - 4.3	0.4 - 0.5 - 1.1	29	23	19	-	-	-	
		190	0.099	0.112	11 - 17 - 28	3 - 4 - 8	21	90	24.7	27.9	3.4 - 5.1 - 8.4	0.8 - 1.3 - 2.5	43	41	37	27	25	17	
		245	0.165	0.187	14 - 22 - 32	4 - 5 - 9	28	116	41.0	46.5	4.4 - 6.6 - 9.6	1.1 - 1.6 - 2.9	47	46	43	34	33	25	
		300	0.247	0.280	18 - 25 - 35	4 - 7 - 10	33	142	61.5	69.7	5.4 - 7.5 - 10.6	1.3 - 2.0 - 3.2	51	50	47	39	39	31	
		410	0.462	0.522	24 - 29 - 41	6 - 9 - 12	40	193	114.9	130.1	7.2 - 8.8 - 12.4	1.8 - 2.6 - 3.7	56	56	54	48	49	41	
	5'	100	0.019	0.022	2 - 5 - 17	1 - 2 - 4	-	47	4.6	5.5	0.7 - 1.6 - 5.1	0.4 - 0.5 - 1.1	31	26	21	-	-	-	
		220	0.090	0.107	11 - 18 - 32	3 - 4 - 8	23	104	22.4	26.8	3.5 - 5.6 - 9.6	0.8 - 1.2 - 2.4	44	42	37	30	27	21	
		280	0.146	0.174	16 - 23 - 36	3 - 5 - 9	29	132	36.3	43.3	4.7 - 7.1 - 10.8	1.0 - 1.5 - 2.7	48	46	42	37	35	28	
		340	0.215	0.257	19 - 28 - 39	4 - 6 - 10	34	160	53.5	63.9	5.8 - 8.4 - 11.9	1.2 - 1.8 - 3.0	51	50	46	42	41	34	
		460	0.393	0.470	26 - 32 - 46	5 - 8 - 12	41	217	97.9	117.0	7.8 - 9.8 - 13.9	1.6 - 2.5 - 3.5	56	56	53	51	51	44	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values for horizontal and vertical throw are given at isothermal conditions. Airflow is given for the length of the unit. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10<sup>-12</sup> Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See selection software for performance data not shown, including octave band data.