

**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 3/4" SLOT WIDTH, 1-SLOT, 1-WAY (NO DAMPER)

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7
			Ps	Pt				Ps	Pt							
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m						
3/4" Slot Width	2'	25	0.020	0.021	3 - 7 - 14	-	12	5.0	5.2	1.0 - 2.2 - 4.3	28	37	34	19	-	-
		45	0.064	0.068	9 - 13 - 23	23	21	16.0	16.9	2.6 - 3.9 - 6.9	34	45	43	33	28	-
		55	0.096	0.102	10 - 16 - 25	28	26	24.0	25.3	3.2 - 4.8 - 7.7	36	47	46	38	34	17
		65	0.134	0.142	12 - 19 - 27	33	31	33.5	35.4	3.8 - 5.6 - 8.3	38	49	49	43	39	23
		85	0.230	0.243	16 - 22 - 31	40	40	57.3	60.5	4.9 - 6.7 - 9.5	41	53	53	49	47	32
	4'	30	0.013	0.014	2 - 5 - 10	-	14	3.2	3.6	0.7 - 1.5 - 3.1	34	41	31	13	-	-
		60	0.051	0.057	7 - 10 - 14	20	28	12.7	14.3	2.0 - 3.1 - 4.3	41	50	42	30	29	13
		75	0.079	0.090	8 - 11 - 16	26	35	19.8	22.3	2.6 - 3.4 - 4.8	43	53	45	35	35	21
		90	0.114	0.129	10 - 12 - 17	31	42	28.5	32.1	3.1 - 3.7 - 5.3	45	55	48	40	41	27
		120	0.203	0.229	12 - 14 - 20	39	57	50.6	57.1	3.5 - 4.3 - 6.1	48	58	53	47	50	37
	5'	40	0.019	0.022	3 - 6 - 12	-	19	4.7	5.5	0.9 - 1.8 - 3.5	38	45	33	16	14	-
		70	0.058	0.067	7 - 11 - 15	21	33	14.5	16.7	2.1 - 3.2 - 4.7	44	52	42	30	31	16
85		0.086	0.099	9 - 12 - 17	26	40	21.4	24.6	2.6 - 3.6 - 5.2	46	55	45	35	37	23	
100		0.119	0.137	10 - 13 - 18	31	47	29.7	34.1	3.0 - 4.0 - 5.6	48	57	48	39	42	29	
130		0.201	0.232	12 - 15 - 21	38	61	50.1	57.7	3.7 - 4.5 - 6.4	50	60	52	45	50	38	
3/4" Slot Width	2'	30	0.028	0.029	5 - 9 - 17	-	14	7.1	7.2	1.4 - 2.6 - 5.2	23	33	33	19	-	-
		55	0.096	0.098	10 - 16 - 25	22	26	23.8	24.3	3.2 - 4.8 - 7.7	29	40	43	34	24	-
		68	0.144	0.147	13 - 19 - 28	28	32	35.9	36.6	3.9 - 5.9 - 8.5	31	43	46	39	31	12
		80	0.202	0.207	15 - 21 - 30	33	38	50.4	51.5	4.6 - 6.5 - 9.2	33	45	49	43	36	18
		105	0.348	0.356	20 - 25 - 35	40	50	86.8	88.7	6.1 - 7.5 - 10.6	36	48	53	50	44	27
	4'	45	0.018	0.020	5 - 8 - 12	-	21	4.5	4.9	1.5 - 2.3 - 3.7	31	39	34	18	11	-
		80	0.058	0.062	9 - 12 - 16	22	38	14.3	15.4	2.7 - 3.5 - 5.0	37	46	43	33	28	11
		98	0.086	0.092	10 - 13 - 18	27	46	21.3	22.9	3.2 - 3.9 - 5.5	39	49	46	37	34	18
		115	0.119	0.128	11 - 14 - 20	32	54	29.6	31.9	3.5 - 4.2 - 6.0	40	51	48	42	39	24
		150	0.202	0.218	13 - 16 - 23	39	71	50.4	54.3	4.0 - 4.8 - 6.8	43	54	53	48	47	33
	5'	50	0.017	0.019	5 - 8 - 13	-	24	4.3	4.7	1.4 - 2.3 - 4.0	33	41	33	17	12	-
		90	0.056	0.062	9 - 12 - 17	22	42	14.0	15.4	2.7 - 3.7 - 5.3	39	48	43	32	29	13
110		0.084	0.092	11 - 14 - 19	27	52	20.9	22.9	3.4 - 4.1 - 5.9	41	51	46	37	35	20	
130		0.117	0.129	12 - 15 - 21	32	61	29.1	32.0	3.7 - 4.5 - 6.4	43	53	48	41	40	26	
170		0.200	0.220	14 - 17 - 24	39	80	49.8	54.8	4.2 - 5.2 - 7.3	46	56	53	48	49	35	
3/4" Slot Width	2'	30	0.038	0.038	5 - 9 - 17	-	14	9.4	9.5	1.4 - 2.6 - 5.2	17	28	31	16	-	-
		55	0.127	0.128	10 - 16 - 25	18	26	31.6	31.9	3.2 - 4.8 - 7.7	24	35	40	31	18	-
		68	0.191	0.193	13 - 19 - 28	24	32	47.6	48.0	3.9 - 5.9 - 8.5	26	38	44	36	24	-
		80	0.268	0.271	15 - 21 - 30	29	38	66.8	67.4	4.6 - 6.5 - 9.2	28	40	46	40	29	-
		105	0.462	0.466	20 - 25 - 35	36	50	115.1	116.1	6.1 - 7.5 - 10.6	30	43	51	47	38	19
	4'	50	0.019	0.020	6 - 8 - 13	-	24	4.8	5.0	1.7 - 2.6 - 4.0	27	36	33	18	-	-
		95	0.069	0.073	10 - 13 - 18	23	45	17.3	18.1	3.1 - 3.9 - 5.4	33	44	43	34	27	-
		118	0.106	0.111	12 - 14 - 20	29	55	26.4	27.6	3.5 - 4.3 - 6.1	35	46	46	39	34	17
		140	0.150	0.158	13 - 15 - 22	33	66	37.5	39.2	3.8 - 4.7 - 6.6	37	49	49	43	39	23
		185	0.263	0.275	14 - 18 - 25	41	87	65.4	68.5	4.4 - 5.4 - 7.6	40	52	54	50	47	32
	5'	60	0.019	0.021	6 - 9 - 14	-	28	4.8	5.2	1.8 - 2.7 - 4.3	30	39	34	19	11	-
		105	0.060	0.064	11 - 13 - 19	22	50	14.8	15.8	3.2 - 4.0 - 5.7	36	46	43	33	28	11
128		0.088	0.094	12 - 15 - 21	27	60	21.9	23.4	3.6 - 4.5 - 6.3	38	48	46	38	34	17	
150		0.122	0.130	13 - 16 - 23	32	71	30.3	32.3	4.0 - 4.8 - 6.8	39	50	48	42	39	23	
195		0.206	0.219	15 - 18 - 26	39	92	51.2	54.6	4.5 - 5.5 - 7.8	42	53	53	48	46	32	
3/4" Slot Width	4'	75	0.048	0.049	8 - 11 - 16	-	35	11.9	12.1	2.6 - 3.4 - 4.8	23	34	36	24	-	-
		125	0.133	0.135	12 - 15 - 21	24	59	33.1	33.7	3.6 - 4.4 - 6.2	28	40	44	36	26	-
		150	0.192	0.195	13 - 16 - 23	29	71	47.7	48.5	4.0 - 4.8 - 6.8	30	42	47	41	31	13
		175	0.261	0.265	14 - 17 - 24	34	83	64.9	66.0	4.3 - 5.2 - 7.4	32	44	49	44	36	18
		225	0.431	0.438	16 - 20 - 28	41	106	107.4	109.0	4.8 - 5.9 - 8.4	34	47	53	51	44	27
	5'	80	0.031	0.032	8 - 12 - 16	-	38	7.8	8.0	2.4 - 3.5 - 5.0	25	35	35	22	-	-
		140	0.096	0.098	13 - 15 - 22	24	66	23.8	24.5	3.8 - 4.7 - 6.6	31	42	44	35	27	-
		170	0.141	0.145	14 - 17 - 24	29	80	35.1	36.1	4.2 - 5.2 - 7.3	33	44	47	40	33	15
		200	0.195	0.201	15 - 18 - 26	34	94	48.6	50.0	4.6 - 5.6 - 7.9	34	46	49	44	38	20
		260	0.330	0.339	17 - 21 - 30	41	123	82.2	84.5	5.2 - 6.4 - 9.0	37	49	53	51	46	29

NOTE: See notes on page F1-21.

**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 3/4" SLOT WIDTH, 2-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
			Ps	Pt				Ps	Pt								
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m							
3/4" Slot Width	2'	40	0.023	0.025	3 - 7 - 16	-	19	5.6	6.3	0.9 - 2.0 - 4.9	37	45	35	20	17	-	
		70	0.069	0.078	9 - 14 - 28	24	33	17.2	19.4	2.8 - 4.3 - 8.6	43	52	44	34	33	19	
		85	0.102	0.115	11 - 17 - 31	29	40	25.4	28.6	3.5 - 5.2 - 9.5	45	54	47	38	39	25	
		100	0.141	0.159	13 - 20 - 34	34	47	35.2	39.6	4.1 - 6.1 - 10.3	46	56	50	42	44	31	
	4'	130	0.239	0.269	17 - 26 - 39	41	61	59.4	67.0	5.3 - 8.0 - 11.8	49	59	54	49	52	40	
		40	0.015	0.018	1 - 3 - 10	-	19	3.7	4.4	0.4 - 1.0 - 2.9	41	46	29	-	-	-	
		90	0.074	0.089	7 - 11 - 17	20	42	18.5	22.1	2.2 - 3.3 - 5.3	49	56	42	29	34	21	
		115	0.121	0.145	9 - 14 - 20	27	54	30.2	36.0	2.8 - 4.2 - 6.0	52	59	46	35	41	29	
	6" Oval Inlet	140	0.180	0.215	11 - 15 - 22	33	66	44.7	53.4	3.4 - 4.7 - 6.6	54	62	49	40	47	36	
		190	0.331	0.395	15 - 18 - 25	41	90	82.3	98.4	4.4 - 5.4 - 7.7	57	66	54	47	56	46	
		50	0.021	0.025	2 - 4 - 11	-	24	5.2	6.3	0.5 - 1.1 - 3.2	44	50	31	11	13	-	
		100	0.084	0.102	6 - 11 - 18	20	47	20.8	25.3	1.9 - 3.2 - 5.6	51	58	42	28	34	22	
5'	125	0.131	0.159	9 - 13 - 21	26	59	32.6	39.5	2.7 - 4.0 - 6.2	54	61	45	34	41	30		
	150	0.188	0.229	11 - 16 - 23	31	71	46.9	56.9	3.2 - 4.8 - 6.8	56	63	48	38	46	36		
	200	0.335	0.406	14 - 18 - 26	39	94	83.4	101.2	4.3 - 5.6 - 7.9	59	67	53	45	55	46		
	30	0.008	0.009	2 - 4 - 12	-	14	2.0	2.2	0.5 - 1.1 - 3.7	26	34	27	-	-	-		
3/4" Slot Width	2'	75	0.051	0.054	10 - 15 - 29	20	35	12.6	13.6	3.1 - 4.6 - 8.9	36	46	42	31	26	-	
		98	0.086	0.092	13 - 20 - 34	27	46	21.3	22.9	4.0 - 6.0 - 10.2	39	49	46	37	34	18	
		120	0.130	0.140	16 - 24 - 37	33	57	32.3	34.7	4.9 - 7.4 - 11.3	41	51	49	43	40	25	
		165	0.245	0.264	22 - 31 - 44	42	78	61.0	65.7	6.7 - 9.4 - 13.3	44	55	54	50	50	36	
	4'	60	0.017	0.019	3 - 7 - 14	-	28	4.1	4.8	1.0 - 2.2 - 4.3	37	44	32	15	12	-	
		115	0.061	0.070	9 - 14 - 20	21	54	15.2	17.5	2.8 - 4.2 - 6.0	44	53	43	31	32	17	
		143	0.094	0.108	11 - 16 - 22	27	67	23.3	26.8	3.4 - 4.7 - 6.7	46	55	46	36	38	25	
		170	0.133	0.153	13 - 17 - 24	32	80	33.2	38.2	4.1 - 5.2 - 7.3	48	57	49	40	43	31	
	8" Oval Inlet	225	0.234	0.269	16 - 20 - 28	40	106	58.2	66.9	4.8 - 5.9 - 8.4	51	61	53	47	52	40	
		70	0.020	0.023	3 - 7 - 15	-	33	4.9	5.7	1.0 - 2.1 - 4.5	40	47	33	15	14	-	
		130	0.068	0.080	9 - 14 - 21	21	61	16.9	19.8	2.8 - 4.2 - 6.4	47	55	43	30	33	19	
		160	0.103	0.120	11 - 16 - 23	27	76	25.6	30.0	3.4 - 5.0 - 7.1	49	57	46	35	39	26	
5'	190	0.145	0.170	13 - 18 - 25	32	90	36.1	42.3	4.1 - 5.4 - 7.7	51	59	49	40	44	32		
	250	0.251	0.294	17 - 21 - 29	39	118	62.5	73.2	5.1 - 6.2 - 8.8	53	63	53	46	53	42		
	40	0.012	0.013	3 - 7 - 16	-	19	3.1	3.2	0.9 - 2.0 - 4.9	24	33	30	12	-	-		
	90	0.062	0.065	12 - 18 - 32	21	42	15.5	16.2	3.7 - 5.5 - 9.8	33	43	42	33	26	-		
3/4" Slot Width	2'	115	0.102	0.106	15 - 23 - 36	28	54	25.3	26.5	4.7 - 7.1 - 11.1	35	46	46	39	33	16	
		140	0.150	0.158	19 - 28 - 40	33	66	37.5	39.2	5.7 - 8.6 - 12.2	37	49	49	43	39	23	
		190	0.277	0.290	26 - 33 - 47	42	90	69.0	72.3	7.8 - 10.1 - 14.2	40	52	54	51	48	33	
		80	0.020	0.022	6 - 10 - 16	-	38	5.0	5.6	1.7 - 2.9 - 5.0	35	43	35	19	15	-	
	4'	140	0.062	0.069	11 - 15 - 22	23	66	15.3	17.1	3.4 - 4.7 - 6.6	41	50	43	33	31	16	
		170	0.091	0.101	13 - 17 - 24	28	80	22.6	25.2	4.1 - 5.2 - 7.3	43	53	46	37	37	23	
		200	0.126	0.140	15 - 18 - 26	33	94	31.3	34.9	4.6 - 5.6 - 7.9	45	55	49	41	42	28	
		260	0.212	0.237	17 - 21 - 30	40	123	52.9	59.0	5.2 - 6.4 - 9.0	48	58	53	48	50	37	
	10" Oval Inlet	90	0.021	0.024	5 - 10 - 17	-	42	5.3	6.0	1.6 - 2.9 - 5.3	38	45	35	18	16	-	
		160	0.067	0.076	11 - 16 - 23	23	76	16.6	18.9	3.4 - 5.0 - 7.1	44	52	44	32	33	18	
		195	0.099	0.113	14 - 18 - 26	29	92	24.7	28.1	4.2 - 5.5 - 7.8	46	55	47	37	39	25	
		230	0.138	0.157	16 - 20 - 28	33	109	34.3	39.1	4.9 - 6.0 - 8.5	47	57	49	41	44	31	
5'	300	0.235	0.267	18 - 23 - 32	40	142	58.4	66.5	5.6 - 6.8 - 9.7	50	60	53	48	52	40		
	100	0.021	0.022	8 - 12 - 18	-	47	5.2	5.5	2.4 - 3.6 - 5.6	30	39	34	20	12	-		
	180	0.067	0.072	14 - 17 - 25	24	85	16.8	17.9	4.3 - 5.3 - 7.5	36	46	44	34	29	12		
	220	0.101	0.107	16 - 19 - 27	29	104	25.1	26.7	4.8 - 5.9 - 8.3	38	49	47	39	35	19		
3/4" Slot Width	4'	260	0.141	0.150	17 - 21 - 30	34	123	35.1	37.3	5.2 - 6.4 - 9.0	40	51	49	43	40	25	
		340	0.241	0.256	20 - 24 - 34	41	160	59.9	63.8	5.9 - 7.3 - 10.3	42	54	54	50	49	34	
		110	0.019	0.020	8 - 12 - 19	-	52	4.7	5.1	2.4 - 3.6 - 5.9	32	41	34	19	12	-	
		200	0.062	0.068	14 - 18 - 26	23	94	15.5	16.8	4.3 - 5.6 - 7.9	38	48	43	33	30	14	
12" Oval Inlet	5'	245	0.093	0.101	17 - 20 - 29	29	116	23.2	25.2	5.1 - 6.2 - 8.7	40	50	47	38	36	21	
		290	0.131	0.142	18 - 22 - 31	33	137	32.5	35.4	5.5 - 6.7 - 9.5	42	52	49	43	41	27	
		380	0.224	0.244	21 - 25 - 36	41	179	55.9	60.7	6.3 - 7.7 - 10.9	45	56	54	49	50	36	

NOTE: See notes on page F1-21.

PTBS

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**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 3/4" SLOT WIDTH, 3-SLOT, 1-WAY (NO DAMPER)

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
			CFM	"WG				"WG	ft								L/s
3/4" Slot Width 6" Oval Inlet	2'	50	0.027	0.031	3 - 6 - 16	-	24	6.6	7.7	0.8 - 1.7 - 5.0	41	49	35	19	19	-	
		85	0.077	0.090	7 - 14 - 28	23	40	19.1	22.3	2.2 - 4.3 - 8.5	47	55	44	32	35	21	
		103	0.112	0.130	11 - 17 - 34	28	48	27.8	32.4	3.2 - 5.1 - 10.3	49	57	47	37	41	28	
		120	0.153	0.179	13 - 20 - 37	33	57	38.1	44.5	4.0 - 6.0 - 11.3	51	59	49	41	45	33	
	4'	70	0.039	0.047	2 - 5 - 14	-	33	9.6	11.8	0.7 - 1.6 - 4.1	49	54	35	16	22	-	
		120	0.113	0.139	7 - 12 - 20	22	57	28.2	34.7	2.1 - 3.5 - 6.1	54	61	43	30	38	27	
		145	0.166	0.203	9 - 14 - 22	27	68	41.2	50.6	2.9 - 4.3 - 6.7	56	63	46	34	44	33	
		170	0.228	0.279	11 - 16 - 24	32	80	56.7	69.5	3.3 - 5.0 - 7.3	58	65	49	38	48	39	
	5'	220	0.381	0.468	14 - 19 - 27	39	104	94.9	116.5	4.3 - 5.9 - 8.3	61	68	53	45	56	47	
		80	0.047	0.059	2 - 5 - 14	-	38	11.8	14.7	0.7 - 1.5 - 4.2	51	56	35	16	23	11	
		140	0.145	0.180	7 - 12 - 22	23	66	36.2	44.9	2.1 - 3.7 - 6.6	57	63	44	30	40	30	
		170	0.214	0.266	10 - 15 - 24	28	80	53.3	66.2	3.0 - 4.5 - 7.3	59	66	47	35	46	36	
3/4" Slot Width 8" Oval Inlet	2'	55	0.018	0.020	3 - 7 - 18	-	26	4.4	4.9	0.9 - 2.1 - 5.5	35	43	33	17	13	-	
		100	0.058	0.065	10 - 16 - 33	22	47	14.4	16.1	3.1 - 5.0 - 10.0	41	50	43	32	31	15	
		123	0.087	0.097	13 - 20 - 38	28	58	21.7	24.2	4.1 - 6.1 - 11.4	43	53	46	37	37	22	
		145	0.122	0.136	16 - 24 - 41	32	68	30.3	33.9	4.8 - 7.3 - 12.4	45	55	49	41	42	28	
	4'	190	0.209	0.234	21 - 31 - 47	40	90	52.1	58.3	6.3 - 9.5 - 14.2	48	58	53	48	50	37	
		90	0.030	0.035	4 - 9 - 17	-	42	7.4	8.8	1.2 - 2.7 - 5.3	44	50	35	18	20	-	
		155	0.088	0.104	10 - 15 - 23	23	73	21.8	26.0	3.0 - 4.6 - 7.0	49	57	44	32	36	24	
		188	0.128	0.153	12 - 18 - 25	29	88	32.0	38.0	3.7 - 5.4 - 7.7	51	59	47	36	42	30	
	5'	220	0.177	0.210	14 - 19 - 27	33	104	44.0	52.3	4.3 - 5.9 - 8.3	53	61	49	40	47	36	
		285	0.297	0.353	18 - 22 - 31	40	135	73.9	87.8	5.4 - 6.7 - 9.4	56	65	53	47	55	44	
		100	0.033	0.040	3 - 8 - 17	-	47	8.3	10.0	1.1 - 2.4 - 5.3	46	52	35	17	21	-	
		175	0.102	0.123	10 - 15 - 24	23	83	25.3	30.5	3.1 - 4.6 - 7.4	52	59	44	31	38	26	
3/4" Slot Width 10" Oval Inlet	2'	213	0.150	0.181	12 - 18 - 27	29	100	37.3	45.0	3.7 - 5.6 - 8.1	54	62	47	36	43	32	
		250	0.207	0.250	14 - 21 - 29	33	118	51.6	62.3	4.4 - 6.2 - 8.8	56	64	49	40	48	38	
		325	0.350	0.423	19 - 23 - 33	40	153	87.2	105.4	5.7 - 7.1 - 10.1	58	67	54	47	56	47	
		60	0.015	0.017	4 - 8 - 20	-	28	3.8	4.1	1.1 - 2.5 - 6.0	31	39	32	16	-	-	
	4'	120	0.061	0.067	13 - 20 - 37	23	57	15.3	16.6	4.0 - 6.0 - 11.3	38	48	43	33	30	13	
		150	0.096	0.104	16 - 25 - 42	29	71	23.9	25.9	5.0 - 7.5 - 12.6	40	50	47	39	37	21	
		180	0.138	0.150	20 - 30 - 46	34	85	34.4	37.3	6.0 - 9.0 - 13.8	42	53	50	43	42	27	
		240	0.245	0.266	26 - 37 - 53	42	113	61.1	66.3	8.0 - 11.3 - 16.0	45	56	54	50	51	37	
	5'	100	0.023	0.027	5 - 10 - 18	-	47	5.7	6.6	1.5 - 3.0 - 5.6	40	47	35	18	17	-	
		180	0.074	0.086	12 - 17 - 25	24	85	18.5	21.4	3.5 - 5.3 - 7.5	46	54	44	32	35	21	
		220	0.111	0.129	14 - 19 - 27	29	104	27.7	32.0	4.3 - 5.9 - 8.3	48	57	47	37	41	28	
		260	0.155	0.180	17 - 21 - 30	34	123	38.6	44.7	5.1 - 6.4 - 9.0	50	59	50	42	46	33	
3/4" Slot Width 12" Oval Inlet	4'	340	0.265	0.307	20 - 24 - 34	41	160	66.1	76.5	5.9 - 7.3 - 10.3	53	62	54	48	54	43	
		110	0.024	0.029	4 - 9 - 19	-	52	6.1	7.2	1.3 - 2.9 - 5.8	42	49	34	17	17	-	
		190	0.073	0.086	11 - 16 - 25	22	90	18.1	21.4	3.3 - 5.0 - 7.7	48	55	43	30	34	20	
		230	0.107	0.126	13 - 20 - 28	27	109	26.6	31.3	4.0 - 6.0 - 8.5	50	58	46	35	40	27	
	5'	270	0.147	0.173	16 - 21 - 30	31	127	36.6	43.2	4.7 - 6.5 - 9.2	51	60	48	39	44	33	
		350	0.247	0.292	20 - 24 - 34	39	165	61.5	72.6	6.0 - 7.4 - 10.5	54	63	52	45	52	41	
		130	0.022	0.024	8 - 13 - 21	-	61	5.4	5.9	2.5 - 3.8 - 6.4	35	43	35	20	15	-	
		230	0.067	0.075	15 - 20 - 28	24	109	16.8	18.6	4.5 - 6.0 - 8.5	41	50	44	34	32	17	
	5'	280	0.100	0.110	18 - 22 - 31	30	132	24.9	27.5	5.4 - 6.6 - 9.4	43	52	47	39	38	24	
		330	0.139	0.153	19 - 24 - 33	34	156	34.5	38.2	5.9 - 7.2 - 10.2	44	54	50	43	43	29	
		430	0.235	0.260	22 - 27 - 38	42	203	58.6	64.8	6.7 - 8.2 - 11.6	47	58	54	50	51	38	
		150	0.023	0.026	8 - 13 - 23	-	71	5.8	6.6	2.4 - 4.0 - 6.8	37	45	36	20	17	-	
5'	250	0.065	0.073	14 - 21 - 29	23	118	16.2	18.3	4.4 - 6.2 - 8.8	43	52	44	33	33	18		
	300	0.094	0.106	17 - 23 - 32	28	142	23.3	26.3	5.3 - 6.8 - 9.7	45	54	46	37	38	24		
	350	0.127	0.144	20 - 24 - 34	32	165	31.7	35.8	6.0 - 7.4 - 10.5	46	56	49	41	43	29		
	450	0.211	0.238	23 - 28 - 39	39	212	52.4	59.2	6.8 - 8.4 - 11.9	49	59	53	47	50	38		

NOTE: See notes on page F1-21.

**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 3/4" SLOT WIDTH, 4-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
			Ps	Pt				Ps	Pt								
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m							
3/4" Slot Width	2'	60	0.033	0.039	2 - 5 - 17	-	28	8.2	9.8	0.7 - 1.6 - 5.2	45	51	36	19	21	-	
		100	0.092	0.109	7 - 14 - 29	23	47	22.8	27.3	2.0 - 4.3 - 8.7	50	58	44	32	37	24	
		120	0.132	0.158	9 - 17 - 34	28	57	32.8	39.3	2.9 - 5.2 - 10.4	52	60	47	36	42	30	
		140	0.180	0.215	13 - 20 - 40	33	66	44.7	53.4	3.9 - 6.1 - 12.1	54	62	49	40	47	36	
	4'	80	0.047	0.058	2 - 5 - 13	-	38	11.6	14.5	0.6 - 1.4 - 4.1	52	57	34	15	22	-	
		130	0.123	0.153	5 - 11 - 21	20	61	30.7	38.2	1.6 - 3.3 - 6.4	57	63	42	27	37	27	
		155	0.175	0.218	8 - 13 - 23	25	73	43.6	54.3	2.3 - 4.0 - 7.0	59	65	45	32	42	33	
		180	0.236	0.294	10 - 15 - 25	29	85	58.8	73.3	3.1 - 4.6 - 7.5	60	67	47	35	47	38	
	5'	230	0.386	0.480	13 - 19 - 28	36	109	96.1	119.6	3.9 - 5.9 - 8.5	63	70	51	41	54	46	
		100	0.070	0.087	2 - 5 - 15	-	47	17.3	21.8	0.7 - 1.5 - 4.6	55	60	36	17	27	16	
		160	0.178	0.224	6 - 12 - 23	22	76	44.4	55.8	1.8 - 3.7 - 7.1	60	66	43	29	41	32	
		190	0.251	0.316	8 - 14 - 25	27	90	62.6	78.6	2.5 - 4.3 - 7.7	62	68	46	33	46	38	
6" Oval Inlet	2'	220	0.337	0.423	11 - 17 - 27	31	104	83.9	105.4	3.3 - 5.0 - 8.3	64	70	48	37	51	43	
		280	0.546	0.686	14 - 21 - 31	38	132	135.9	170.8	4.3 - 6.4 - 9.4	66	73	52	43	58	51	
		60	0.017	0.019	2 - 5 - 17	-	28	4.1	4.8	0.7 - 1.6 - 5.2	37	44	32	15	12	-	
		110	0.056	0.064	8 - 16 - 31	20	52	13.9	16.0	2.4 - 4.8 - 9.5	44	52	42	30	30	16	
	4'	135	0.084	0.097	12 - 19 - 39	26	64	20.9	24.1	3.6 - 5.9 - 11.7	46	54	45	35	37	23	
		160	0.118	0.136	15 - 23 - 43	30	76	29.4	33.8	4.6 - 6.9 - 13.1	48	57	48	39	42	29	
		210	0.204	0.234	20 - 30 - 49	38	99	50.7	58.3	6.1 - 9.1 - 15.0	50	60	52	46	50	38	
		115	0.043	0.052	4 - 9 - 19	-	54	10.7	12.9	1.3 - 2.9 - 5.9	48	54	37	20	24	11	
	5'	185	0.111	0.134	10 - 16 - 25	24	87	27.6	33.5	3.2 - 4.7 - 7.6	53	60	44	32	39	27	
		220	0.157	0.190	12 - 18 - 27	29	104	39.0	47.3	3.7 - 5.6 - 8.3	55	62	47	36	44	33	
		255	0.210	0.255	14 - 21 - 29	33	120	52.4	63.6	4.3 - 6.3 - 8.9	56	64	49	39	48	38	
		325	0.342	0.415	18 - 23 - 33	39	153	85.1	103.3	5.5 - 7.1 - 10.1	59	67	53	46	56	46	
8" Oval Inlet	2'	125	0.047	0.058	4 - 8 - 19	-	59	11.7	14.4	1.1 - 2.4 - 5.7	50	56	36	18	24	11	
		205	0.126	0.155	10 - 15 - 26	23	97	31.5	38.7	2.9 - 4.7 - 8.0	55	62	44	31	39	28	
		245	0.181	0.222	12 - 18 - 29	28	116	45.0	55.3	3.7 - 5.6 - 8.7	57	64	47	35	45	34	
		285	0.244	0.300	14 - 21 - 31	32	135	60.8	74.8	4.3 - 6.5 - 9.4	59	66	49	39	49	40	
	4'	365	0.401	0.493	18 - 25 - 35	39	172	99.8	122.6	5.6 - 7.6 - 10.7	61	69	53	45	57	48	
		80	0.020	0.022	4 - 9 - 23	-	38	5.0	5.6	1.3 - 2.9 - 6.9	35	43	35	19	15	-	
		140	0.062	0.069	13 - 20 - 40	23	66	15.3	17.1	3.9 - 6.1 - 12.1	41	50	43	33	31	16	
		170	0.091	0.101	16 - 24 - 44	28	80	22.6	25.2	4.9 - 7.4 - 13.5	43	53	46	37	37	23	
	5'	200	0.126	0.140	19 - 29 - 48	33	94	31.3	34.9	5.8 - 8.7 - 14.6	45	55	49	41	42	28	
		260	0.212	0.237	25 - 37 - 55	40	123	52.9	59.0	7.5 - 11.3 - 16.6	48	58	53	48	50	37	
		120	0.028	0.033	5 - 10 - 20	-	57	7.0	8.3	1.4 - 3.1 - 6.1	43	50	35	18	19	-	
		200	0.078	0.093	11 - 17 - 26	22	94	19.4	23.1	3.4 - 5.1 - 7.9	49	56	43	31	35	22	
10" Oval Inlet	2'	240	0.112	0.133	13 - 20 - 28	27	113	28.0	33.2	4.1 - 6.1 - 8.7	51	58	46	35	40	28	
		280	0.153	0.181	16 - 22 - 31	31	132	38.1	45.2	4.8 - 6.6 - 9.4	52	60	48	39	45	33	
		360	0.253	0.300	20 - 25 - 35	38	170	63.0	74.7	6.1 - 7.5 - 10.6	55	63	52	45	52	42	
		140	0.035	0.042	4 - 10 - 21	-	66	8.6	10.4	1.4 - 3.0 - 6.4	46	52	36	18	22	-	
	4'	240	0.102	0.123	12 - 18 - 28	24	113	25.4	30.6	3.7 - 5.5 - 8.7	52	59	44	32	38	26	
		290	0.149	0.179	15 - 22 - 31	29	137	37.0	44.6	4.4 - 6.6 - 9.5	54	61	47	36	43	32	
		340	0.204	0.246	17 - 24 - 34	33	160	50.9	61.3	5.2 - 7.3 - 10.3	55	63	50	40	48	38	
		440	0.342	0.412	22 - 27 - 39	40	208	85.2	102.7	6.7 - 8.3 - 11.7	58	66	54	47	56	47	
	12" Oval Inlet	2'	150	0.022	0.025	7 - 13 - 23	-	71	5.5	6.3	2.2 - 3.8 - 6.8	38	45	35	19	16	-
			260	0.067	0.076	15 - 21 - 30	23	123	16.6	18.9	4.4 - 6.4 - 9.0	43	52	44	33	33	18
			315	0.098	0.111	18 - 23 - 33	29	149	24.4	27.7	5.4 - 7.0 - 9.9	45	55	47	37	39	25
			370	0.135	0.154	20 - 25 - 35	33	175	33.7	38.3	6.2 - 7.6 - 10.8	47	57	49	41	44	30
4'		480	0.228	0.259	23 - 28 - 40	40	227	56.7	64.4	7.1 - 8.7 - 12.2	50	60	53	48	51	39	
		175	0.026	0.030	7 - 13 - 24	-	83	6.4	7.5	2.1 - 4.0 - 7.4	41	48	36	19	19	-	
		295	0.074	0.085	15 - 22 - 32	23	139	18.3	21.2	4.5 - 6.7 - 9.6	46	54	44	32	34	21	
		355	0.106	0.123	18 - 24 - 35	28	168	26.5	30.7	5.4 - 7.4 - 10.5	48	57	47	37	40	27	
5'		415	0.145	0.169	21 - 26 - 37	33	196	36.2	42.0	6.3 - 8.1 - 11.4	50	58	49	41	45	32	
		535	0.242	0.280	25 - 30 - 43	40	252	60.2	69.8	7.5 - 9.1 - 12.9	52	62	53	47	52	41	

NOTE: See notes on page F1-21.

PTBS

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**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1" SLOT WIDTH, 1-SLOT, 1-WAY (NO DAMPER)

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
			CFM	"WG				"WG	ft								L/s
1" Slot Width 6" Oval Inlet	2'	30	0.013	0.015	3 - 7 - 15	-	14	3.3	3.7	0.9 - 2.1 - 4.5	27	27	21	-	-	-	
		60	0.053	0.060	10 - 15 - 26	19	28	13.2	14.8	3.0 - 4.5 - 8.0	38	42	38	22	15	-	
		75	0.083	0.093	12 - 19 - 29	25	35	20.7	23.2	3.8 - 5.6 - 8.9	42	47	43	30	24	-	
		90	0.120	0.134	15 - 22 - 32	30	42	29.8	33.4	4.5 - 6.8 - 9.8	45	51	48	36	31	-	
	120	0.213	0.238	20 - 26 - 37	38	57	52.9	59.3	6.0 - 8.0 - 11.3	49	57	55	45	41	20		
	4'	50	0.013	0.017	4 - 7 - 13	-	24	3.1	4.2	1.3 - 2.2 - 4.0	28	27	21	-	-	-	
		95	0.045	0.062	9 - 13 - 18	21	45	11.3	15.3	2.8 - 3.9 - 5.4	38	41	37	28	22	-	
		118	0.070	0.094	11 - 14 - 20	27	55	17.3	23.4	3.5 - 4.3 - 6.1	42	46	42	35	30	-	
		140	0.099	0.134	13 - 15 - 22	32	66	24.6	33.3	3.8 - 4.7 - 6.6	45	50	47	41	36	17	
	185	0.172	0.233	14 - 18 - 25	39	87	42.9	58.1	4.4 - 5.4 - 7.6	49	56	54	50	47	28		
	5'	60	0.014	0.021	4 - 8 - 14	-	28	3.5	5.1	1.3 - 2.4 - 4.3	28	28	22	11	-	-	
		110	0.048	0.069	10 - 14 - 19	22	52	11.8	17.2	2.9 - 4.1 - 5.9	38	41	37	30	24	-	
135		0.072	0.104	12 - 15 - 21	27	64	17.8	25.9	3.6 - 4.6 - 6.5	42	46	42	37	32	13		
160		0.101	0.146	13 - 16 - 23	32	76	25.0	36.4	4.1 - 5.0 - 7.1	44	49	46	42	38	19		
210	0.173	0.252	15 - 19 - 27	40	99	43.1	62.7	4.7 - 5.7 - 8.1	49	56	53	51	48	30			
1" Slot Width 8" Oval Inlet	2'	40	0.029	0.030	5 - 10 - 20	-	19	7.2	7.5	1.7 - 3.0 - 6.0	29	30	24	-	-	-	
		80	0.116	0.121	13 - 20 - 30	21	38	28.9	30.0	4.0 - 6.0 - 9.2	40	45	41	22	16	-	
		100	0.181	0.188	16 - 24 - 34	27	47	45.2	46.9	5.0 - 7.3 - 10.3	44	50	47	30	24	-	
		120	0.261	0.271	20 - 26 - 37	32	57	65.0	67.5	6.0 - 8.0 - 11.3	47	54	52	36	31	-	
	160	0.464	0.482	25 - 30 - 43	40	76	115.6	120.0	7.5 - 9.2 - 13.1	51	61	59	45	42	18		
	4'	70	0.019	0.022	7 - 10 - 15	-	33	4.7	5.5	2.1 - 3.1 - 4.7	30	31	26	-	-	-	
		120	0.055	0.065	12 - 14 - 20	22	57	13.7	16.2	3.5 - 4.3 - 6.1	39	43	39	27	20	-	
		145	0.081	0.095	13 - 16 - 22	27	68	20.0	23.7	3.9 - 4.8 - 6.7	42	48	44	33	27	-	
		170	0.111	0.131	14 - 17 - 24	31	80	27.6	32.5	4.2 - 5.2 - 7.3	45	51	48	38	33	12	
	220	0.185	0.219	16 - 19 - 27	38	104	46.2	54.5	4.8 - 5.9 - 8.3	49	57	54	46	43	22		
	5'	90	0.022	0.028	8 - 12 - 17	-	42	5.5	6.9	2.4 - 3.6 - 5.3	32	34	28	15	-	-	
		150	0.061	0.076	13 - 16 - 23	24	71	15.2	19.0	4.0 - 4.8 - 6.8	41	45	41	31	25	-	
180		0.088	0.110	14 - 17 - 25	29	85	21.8	27.4	4.3 - 5.3 - 7.5	44	49	46	37	32	11		
210		0.119	0.150	15 - 19 - 27	34	99	29.7	37.3	4.7 - 5.7 - 8.1	46	52	49	42	38	17		
270	0.197	0.248	17 - 21 - 30	41	127	49.1	61.7	5.3 - 6.5 - 9.2	50	58	56	50	47	27			
1" Slot Width 10" Oval Inlet	2'	50	0.072	0.073	8 - 12 - 24	-	24	18.0	18.2	2.5 - 3.8 - 7.3	31	33	27	-	-	-	
		95	0.260	0.264	16 - 23 - 33	22	45	64.8	65.6	4.8 - 7.1 - 10.1	41	47	43	22	15	-	
		118	0.398	0.403	19 - 26 - 37	28	55	99.2	100.4	5.9 - 7.9 - 11.2	44	52	49	29	23	-	
		140	0.565	0.572	23 - 28 - 40	33	66	140.8	142.5	7.0 - 8.6 - 12.2	47	56	53	34	30	-	
	185	0.987	1.000	27 - 33 - 46	40	87	245.8	248.9	8.1 - 9.9 - 14.0	52	62	60	43	40	16		
	4'	80	0.024	0.026	8 - 12 - 16	-	38	5.9	6.5	2.4 - 3.5 - 5.0	31	32	27	-	-	-	
		140	0.073	0.080	13 - 15 - 22	22	66	18.2	19.9	3.8 - 4.7 - 6.6	40	45	41	25	19	-	
		170	0.107	0.118	14 - 17 - 24	27	80	26.8	29.4	4.2 - 5.2 - 7.3	43	49	46	32	26	-	
		200	0.149	0.163	15 - 18 - 26	32	94	37.0	40.7	4.6 - 5.6 - 7.9	46	53	50	37	32	-	
	260	0.251	0.276	17 - 21 - 30	39	123	62.6	68.7	5.2 - 6.4 - 9.0	50	59	56	45	42	20		
	5'	90	0.019	0.022	8 - 12 - 17	-	42	4.8	5.6	2.4 - 3.6 - 5.3	30	31	26	-	-	-	
		160	0.061	0.070	13 - 16 - 23	22	76	15.2	17.6	4.1 - 5.0 - 7.1	40	44	40	27	20	-	
195		0.091	0.105	15 - 18 - 26	28	92	22.6	26.1	4.5 - 5.5 - 7.8	43	49	45	33	28	-		
230		0.126	0.146	16 - 20 - 28	32	109	31.5	36.3	4.9 - 6.0 - 8.5	46	52	49	39	34	12		
300	0.215	0.248	18 - 23 - 32	40	142	53.6	61.7	5.6 - 6.8 - 9.7	50	58	56	47	44	23			
1" Slot Width 12" Oval Inlet	4'	90	0.042	0.043	9 - 12 - 17	-	42	10.5	10.8	2.7 - 3.7 - 5.3	30	32	26	-	-	-	
		170	0.151	0.155	14 - 17 - 24	21	80	37.5	38.5	4.2 - 5.2 - 7.3	40	46	42	22	15	-	
		210	0.230	0.236	15 - 19 - 27	27	99	57.2	58.7	4.7 - 5.7 - 8.1	44	51	47	29	23	-	
		250	0.326	0.334	17 - 21 - 29	32	118	81.1	83.2	5.1 - 6.2 - 8.8	47	54	52	34	30	-	
	330	0.568	0.582	19 - 24 - 33	40	156	141.3	145.0	5.9 - 7.2 - 10.2	51	61	59	43	40	16		
	5'	100	0.027	0.028	9 - 13 - 18	-	47	6.6	7.0	2.6 - 4.0 - 5.6	29	31	25	-	-	-	
		190	0.096	0.101	15 - 18 - 25	21	90	24.0	25.2	4.4 - 5.4 - 7.7	40	45	41	23	16	-	
		235	0.147	0.155	16 - 20 - 28	27	111	36.7	38.6	4.9 - 6.1 - 8.6	43	50	46	30	24	-	
280		0.209	0.220	18 - 22 - 31	32	132	52.1	54.7	5.4 - 6.6 - 9.4	46	53	51	35	31	-		
370	0.365	0.384	20 - 25 - 35	39	175	91.0	95.6	6.2 - 7.6 - 10.8	51	60	57	44	41	18			

NOTE: See notes on page F1-21.

**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1" SLOT WIDTH, 2-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

Linear Length	IP Data					NC	Metric Data				Octave Band, dB						
	Air Flow	Pressure		1-Way Throw	Air Flow		Pressure		1-Way Throw	2	3	4	5	6	7		
		Ps	Pt				Ps	Pt									
		CFM	"WG	"WG			ft	L/s	Pa							Pa	m
<b>1" Slot Width</b>	<b>2'</b>	60	0.018	0.025	4 - 10 - 21	-	28	4.5	6.1	1.3 - 3.0 - 6.4	31	31	26	14	-	-	
		105	0.056	0.075	12 - 18 - 35	<b>24</b>	50	13.8	18.7	3.7 - 5.6 - 10.6	40	44	40	32	26	-	
		128	0.082	0.111	15 - 22 - 38	<b>29</b>	60	20.4	27.6	4.5 - 6.8 - 11.7	43	48	44	38	33	13	
		150	0.113	0.153	17 - 26 - 42	<b>34</b>	71	28.2	38.2	5.3 - 8.0 - 12.6	46	52	49	43	39	20	
	195	0.191	0.259	23 - 34 - 47	<b>41</b>	92	47.7	64.6	6.9 - 10.2 - 14.4	50	57	55	52	49	30		
	<b>4'</b>	75	0.015	0.025	3 - 7 - 15	-	35	3.6	6.1	1.0 - 2.2 - 4.7	27	25	19	12	-	-	
		145	0.054	0.092	10 - 15 - 22	<b>22</b>	68	13.6	22.9	3.0 - 4.5 - 6.7	38	40	36	33	27	-	
		180	0.084	0.142	12 - 17 - 25	<b>28</b>	85	20.9	35.3	3.8 - 5.3 - 7.5	41	45	41	40	35	18	
		215	0.120	0.202	15 - 19 - 27	<b>33</b>	101	29.8	50.4	4.5 - 5.8 - 8.2	44	49	45	46	42	25	
	<b>6" Oval Inlet</b>	285	0.211	0.356	18 - 22 - 31	<b>41</b>	135	52.4	88.6	5.4 - 6.7 - 9.4	49	55	52	55	52	36	
		<b>5'</b>	85	0.016	0.029	3 - 7 - 16	-	40	4.0	7.2	0.9 - 2.1 - 4.8	27	24	19	13	-	-
			165	0.060	0.109	10 - 15 - 24	<b>22</b>	78	15.1	27.2	3.1 - 4.6 - 7.2	37	39	35	34	28	12
205			0.093	0.168	13 - 19 - 26	<b>28</b>	97	23.2	41.9	3.8 - 5.7 - 8.0	41	44	40	41	36	20	
245	0.133		0.241	15 - 20 - 29	<b>33</b>	116	33.2	59.9	4.6 - 6.2 - 8.7	44	48	45	47	43	27		
325	0.235	0.423	19 - 23 - 33	<b>41</b>	153	58.4	105.4	5.8 - 7.1 - 10.1	49	54	52	56	54	38			
<b>8" Slot Width</b>	<b>2'</b>	75	0.022	0.025	7 - 13 - 26	-	35	5.4	6.3	2.1 - 4.0 - 8.0	32	33	28	12	-	-	
		130	0.065	0.076	15 - 23 - 39	<b>24</b>	61	16.1	19.0	4.6 - 6.9 - 11.8	41	45	41	29	23	-	
		158	0.095	0.112	18 - 28 - 43	<b>29</b>	74	23.7	27.9	5.6 - 8.4 - 12.9	44	50	46	35	30	-	
		185	0.131	0.155	22 - 32 - 46	<b>34</b>	87	32.6	38.5	6.5 - 9.8 - 14.0	46	53	50	41	36	15	
	240	0.221	0.260	28 - 37 - 53	<b>41</b>	113	54.9	64.8	8.5 - 11.3 - 16.0	51	59	57	49	46	25		
	<b>4'</b>	90	0.012	0.018	5 - 9 - 17	-	42	3.1	4.5	1.4 - 2.8 - 5.3	27	26	20	-	-	-	
		175	0.047	0.068	12 - 17 - 24	<b>21</b>	83	11.6	16.9	3.7 - 5.2 - 7.4	38	41	37	30	24	-	
		218	0.072	0.105	15 - 19 - 27	<b>27</b>	103	18.0	26.1	4.5 - 5.8 - 8.2	42	46	42	37	32	13	
		260	0.103	0.150	17 - 21 - 30	<b>32</b>	123	25.7	37.3	5.2 - 6.4 - 9.0	45	50	47	43	38	20	
	<b>6" Oval Inlet</b>	345	0.181	0.263	20 - 24 - 34	<b>40</b>	163	45.2	65.6	6.0 - 7.3 - 10.4	49	56	54	52	49	31	
		<b>5'</b>	100	0.012	0.019	4 - 9 - 18	-	47	3.1	4.8	1.3 - 2.8 - 5.6	27	25	19	-	-	-
			190	0.044	0.069	12 - 17 - 25	<b>20</b>	90	11.1	17.3	3.5 - 5.3 - 7.7	37	39	35	30	23	-
235			0.068	0.106	14 - 20 - 28	<b>26</b>	111	16.9	26.4	4.4 - 6.1 - 8.6	41	44	40	37	31	13	
280	0.096		0.150	17 - 22 - 31	<b>31</b>	132	24.0	37.5	5.2 - 6.6 - 9.4	43	48	45	42	38	20		
370	0.168	0.263	20 - 25 - 35	<b>39</b>	175	41.9	65.4	6.2 - 7.6 - 10.8	48	54	51	51	48	30			
<b>10" Slot Width</b>	<b>2'</b>	90	0.030	0.033	10 - 16 - 31	-	42	7.5	8.2	3.0 - 4.8 - 9.6	33	35	30	11	-	-	
		150	0.084	0.092	17 - 26 - 42	<b>24</b>	71	20.8	22.9	5.3 - 8.0 - 12.6	41	46	43	28	21	-	
		180	0.121	0.132	21 - 31 - 46	<b>29</b>	85	30.0	32.9	6.4 - 9.6 - 13.8	44	50	47	33	28	-	
		210	0.164	0.180	24 - 35 - 49	<b>33</b>	99	40.8	44.8	7.4 - 10.6 - 15.0	47	54	51	38	34	12	
	270	0.271	0.298	31 - 39 - 56	<b>40</b>	127	67.5	74.1	9.6 - 12.0 - 17.0	51	59	57	47	44	21		
	<b>4'</b>	120	0.017	0.022	8 - 12 - 20	-	57	4.2	5.5	2.5 - 3.8 - 6.1	30	30	25	12	-	-	
		215	0.054	0.071	15 - 19 - 27	<b>23</b>	101	13.4	17.6	4.5 - 5.8 - 8.2	40	43	39	30	24	-	
		263	0.080	0.105	17 - 21 - 30	<b>29</b>	124	20.0	26.2	5.2 - 6.4 - 9.1	43	48	44	37	32	12	
		310	0.112	0.147	19 - 23 - 32	<b>33</b>	146	27.8	36.5	5.7 - 7.0 - 9.8	46	52	49	42	38	18	
	<b>6" Oval Inlet</b>	405	0.191	0.250	21 - 26 - 37	<b>41</b>	191	47.5	62.3	6.5 - 8.0 - 11.2	50	58	55	51	48	28	
		<b>5'</b>	130	0.015	0.021	7 - 12 - 21	-	61	3.7	5.3	2.1 - 3.6 - 6.4	29	29	23	11	-	-
			230	0.047	0.066	14 - 20 - 28	<b>22</b>	109	11.7	16.5	4.3 - 6.0 - 8.5	38	41	37	30	23	-
280			0.070	0.098	17 - 22 - 31	<b>27</b>	132	17.4	24.5	5.2 - 6.6 - 9.4	42	46	42	36	31	11	
330	0.097		0.136	19 - 24 - 33	<b>32</b>	156	24.2	34.0	5.9 - 7.2 - 10.2	44	49	46	41	37	18		
430	0.165	0.232	22 - 27 - 38	<b>39</b>	203	41.0	57.7	6.7 - 8.2 - 11.6	49	55	53	50	47	28			
<b>12" Slot Width</b>	<b>4'</b>	120	0.013	0.015	8 - 12 - 20	-	57	3.3	3.8	2.5 - 3.8 - 6.1	27	27	21	-	-	-	
		250	0.058	0.067	17 - 21 - 29	<b>21</b>	118	14.5	16.6	5.1 - 6.2 - 8.8	39	44	40	26	19	-	
		315	0.092	0.106	19 - 23 - 33	<b>28</b>	149	23.0	26.3	5.7 - 7.0 - 9.9	43	49	45	33	28	-	
		380	0.134	0.154	21 - 25 - 36	<b>33</b>	179	33.4	38.3	6.3 - 7.7 - 10.9	46	53	50	39	35	13	
	510	0.242	0.277	24 - 29 - 42	<b>41</b>	241	60.2	69.0	7.3 - 8.9 - 12.6	51	59	57	49	46	24		
	<b>6" Oval Inlet</b>	<b>5'</b>	140	0.012	0.015	8 - 13 - 22	-	66	3.1	3.8	2.5 - 3.9 - 6.6	27	27	21	-	-	-
			280	0.050	0.060	17 - 22 - 31	<b>21</b>	132	12.4	15.1	5.2 - 6.6 - 9.4	39	43	39	26	20	-
			350	0.078	0.094	20 - 24 - 34	<b>27</b>	165	19.4	23.5	6.0 - 7.4 - 10.5	42	48	44	34	28	-
			420	0.112	0.136	22 - 27 - 38	<b>32</b>	198	28.0	33.9	6.6 - 8.1 - 11.5	45	52	49	39	35	14
	560	0.200	0.242	25 - 31 - 44	<b>40</b>	264	49.7	60.2	7.6 - 9.4 - 13.2	50	58	56	49	46	25		

NOTE: See notes on page F1-21.

PTBS

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**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1" SLOT WIDTH, 3-SLOT, 1-WAY (NO DAMPER)

Slot Width	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
			CFM	"WG				"WG	ft								L/s
1" Slot Width	2'	60	0.012	0.018	2 - 5 - 17	-	28	2.9	4.6	0.7 - 1.6 - 5.2	26	25	19	-	-	-	
		120	0.047	0.073	9 - 17 - 34	21	57	11.8	18.2	2.9 - 5.2 - 10.4	38	40	36	31	24	-	
		150	0.074	0.114	14 - 21 - 42	27	71	18.4	28.4	4.3 - 6.5 - 12.6	41	45	41	38	33	14	
		180	0.107	0.164	17 - 26 - 46	33	85	26.5	40.9	5.2 - 7.8 - 13.8	44	49	46	44	40	21	
		240	0.189	0.292	23 - 34 - 53	40	113	47.2	72.8	6.9 - 10.4 - 16.0	49	56	53	53	50	33	
	6" Oval Inlet	4'	100	0.020	0.038	3 - 7 - 17	-	47	5.0	9.4	1.0 - 2.2 - 5.1	27	25	19	16	-	-
			180	0.064	0.122	10 - 15 - 25	22	85	16.1	30.5	3.1 - 4.6 - 7.5	37	38	34	35	29	13
			220	0.096	0.183	12 - 18 - 27	27	104	24.0	45.5	3.7 - 5.6 - 8.3	40	43	39	41	36	20
			260	0.135	0.255	15 - 21 - 30	32	123	33.5	63.6	4.4 - 6.4 - 9.0	43	46	43	47	43	27
		340	0.230	0.437	19 - 24 - 34	39	160	57.3	108.7	5.8 - 7.3 - 10.3	47	52	50	55	53	37	
		5'	120	0.026	0.051	3 - 7 - 18	-	57	6.4	12.8	1.0 - 2.2 - 5.5	28	26	20	19	-	-
			210	0.078	0.157	10 - 16 - 27	23	99	19.5	39.1	3.0 - 4.8 - 8.1	37	38	34	37	31	16
255			0.115	0.232	13 - 19 - 29	28	120	28.7	57.6	3.9 - 5.8 - 8.9	40	43	39	43	38	23	
300	0.160		0.320	15 - 23 - 32	33	142	39.7	79.8	4.6 - 6.8 - 9.7	43	46	43	48	44	30		
390	0.270	0.542	20 - 26 - 36	40	184	67.2	134.8	5.9 - 7.8 - 11.0	47	52	49	57	54	40			
8" Oval Inlet	2'	75	0.012	0.016	4 - 8 - 21	-	35	3.0	3.9	1.1 - 2.5 - 6.5	27	27	21	-	-	-	
		145	0.045	0.059	14 - 21 - 41	21	68	11.1	14.7	4.2 - 6.3 - 12.4	38	41	37	28	21	-	
		180	0.069	0.091	17 - 26 - 46	27	85	17.1	22.7	5.2 - 7.8 - 13.8	42	46	42	35	29	-	
		215	0.098	0.130	20 - 31 - 50	32	101	24.4	32.3	6.2 - 9.3 - 15.1	45	50	47	40	36	16	
		285	0.172	0.228	27 - 41 - 57	39	135	42.9	56.8	8.2 - 12.3 - 17.4	49	56	54	49	46	27	
	4'	115	0.014	0.023	4 - 9 - 19	-	54	3.5	5.7	1.3 - 2.9 - 5.9	27	25	19	11	-	-	
		225	0.053	0.088	13 - 19 - 28	22	106	13.3	22.0	3.8 - 5.7 - 8.4	38	40	36	33	27	-	
		280	0.083	0.137	16 - 22 - 31	28	132	20.6	34.1	4.8 - 6.6 - 9.4	41	45	41	40	35	17	
		335	0.118	0.196	19 - 24 - 34	33	158	29.5	48.8	5.7 - 7.2 - 10.2	44	49	46	46	42	24	
		445	0.209	0.346	22 - 27 - 39	41	210	52.1	86.0	6.8 - 8.3 - 11.8	49	55	53	55	52	35	
		5'	125	0.014	0.025	4 - 8 - 19	-	59	3.5	6.2	1.1 - 2.4 - 5.7	26	24	17	11	-	-
			245	0.054	0.095	12 - 18 - 29	21	116	13.4	23.7	3.7 - 5.6 - 8.7	37	39	34	33	26	-
305			0.083	0.148	15 - 23 - 32	27	144	20.8	36.8	4.6 - 6.9 - 9.8	41	43	40	40	35	18	
365	0.120		0.211	18 - 25 - 35	32	172	29.8	52.6	5.6 - 7.6 - 10.7	43	47	44	46	41	25		
485	0.211		0.373	23 - 29 - 40	40	229	52.6	92.9	7.1 - 8.7 - 12.3	48	54	51	55	52	36		
10" Oval Inlet	2'	100	0.018	0.021	7 - 14 - 29	-	47	4.4	5.3	2.0 - 4.3 - 8.7	30	31	26	-	-	-	
		180	0.057	0.069	17 - 26 - 46	23	85	14.2	17.1	5.2 - 7.8 - 13.8	40	44	40	28	22	-	
		220	0.085	0.103	21 - 31 - 50	28	104	21.2	25.5	6.4 - 9.5 - 15.3	43	48	45	35	30	-	
		260	0.119	0.143	25 - 37 - 55	33	123	29.5	35.7	7.5 - 11.3 - 16.6	46	52	49	40	36	15	
		340	0.203	0.245	32 - 44 - 63	40	160	50.5	61.0	9.8 - 13.5 - 19.0	50	58	56	49	46	25	
	4'	130	0.012	0.019	5 - 11 - 21	-	61	3.1	4.6	1.6 - 3.3 - 6.4	27	26	20	-	-	-	
		250	0.046	0.069	14 - 21 - 29	21	118	11.5	17.1	4.3 - 6.2 - 8.8	38	40	36	30	24	-	
		310	0.071	0.106	17 - 23 - 32	27	146	17.6	26.3	5.3 - 7.0 - 9.8	41	45	41	37	32	13	
		370	0.101	0.150	20 - 25 - 35	32	175	25.1	37.5	6.2 - 7.6 - 10.8	44	49	46	43	38	20	
		490	0.177	0.264	23 - 29 - 41	40	231	44.0	65.7	7.1 - 8.7 - 12.4	49	55	53	52	49	31	
		5'	150	0.014	0.022	5 - 11 - 23	-	71	3.4	5.4	1.5 - 3.4 - 6.8	27	25	20	11	-	-
			290	0.051	0.081	15 - 22 - 31	22	137	12.6	20.2	4.4 - 6.6 - 9.5	38	40	36	32	26	-
360			0.078	0.125	18 - 25 - 35	28	170	19.4	31.1	5.5 - 7.5 - 10.6	41	45	41	39	34	16	
430	0.111		0.178	22 - 27 - 38	33	203	27.7	44.4	6.6 - 8.2 - 11.6	44	49	46	45	40	23		
570	0.195		0.313	25 - 31 - 44	41	269	48.7	78.0	7.7 - 9.4 - 13.3	49	55	53	54	51	34		
12" Oval Inlet	4'	160	0.012	0.016	8 - 13 - 23	-	76	3.1	4.0	2.5 - 4.1 - 7.1	28	27	21	-	-	-	
		310	0.047	0.060	17 - 23 - 32	21	146	11.7	14.9	5.3 - 7.0 - 9.8	38	42	38	27	21	-	
		385	0.072	0.092	21 - 26 - 36	27	182	18.0	23.0	6.3 - 7.8 - 11.0	42	47	43	34	29	-	
		460	0.103	0.132	23 - 28 - 39	32	217	25.7	32.8	6.9 - 8.5 - 12.0	45	51	48	40	36	15	
		610	0.181	0.231	26 - 32 - 45	40	288	45.1	57.6	8.0 - 9.8 - 13.8	50	57	55	49	46	26	
	5'	180	0.012	0.016	7 - 14 - 25	-	85	3.0	4.0	2.2 - 4.1 - 7.5	27	26	21	-	-	-	
		350	0.045	0.061	18 - 24 - 34	21	165	11.2	15.3	5.3 - 7.4 - 10.5	38	41	37	28	22	-	
		435	0.069	0.095	22 - 27 - 38	27	205	17.3	23.6	6.6 - 8.2 - 11.7	42	46	42	35	30	-	
		520	0.099	0.136	24 - 30 - 42	32	245	24.7	33.8	7.4 - 9.0 - 12.7	45	50	47	41	37	17	
		690	0.175	0.239	28 - 34 - 48	40	326	43.5	59.4	8.5 - 10.4 - 14.7	49	56	54	50	47	28	

NOTE: See notes on page F1-21.

**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1" SLOT WIDTH, 4-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
			Ps	Pt				Ps	Pt								
			CFM	"WG				"WG	ft								L/s
1" Slot Width 6" Oval Inlet	2'	65	0.011	0.019	2 - 4 - 16	-	31	2.7	4.6	0.5 - 1.2 - 4.9	25	22	16	-	-	-	
		135	0.047	0.080	8 - 17 - 33	20	64	11.8	19.9	2.4 - 5.1 - 10.1	37	38	34	31	24	-	
		170	0.075	0.127	12 - 21 - 42	27	80	18.7	31.5	3.7 - 6.4 - 12.8	40	43	40	38	33	16	
		205	0.109	0.184	17 - 25 - 49	32	97	27.1	45.8	5.1 - 7.7 - 14.8	43	48	44	44	40	23	
	275	0.196	0.331	23 - 34 - 56	40	130	48.8	82.5	6.9 - 10.3 - 17.1	48	54	51	54	51	34		
	4'	115	0.023	0.046	3 - 6 - 17	-	54	5.7	11.6	0.8 - 1.9 - 5.1	27	24	18	17	-	-	
		215	0.080	0.162	10 - 16 - 27	22	101	19.8	40.4	2.9 - 4.8 - 8.2	37	38	33	37	31	16	
		265	0.121	0.246	13 - 19 - 30	28	125	30.1	61.3	3.9 - 5.9 - 9.1	40	42	38	44	39	24	
		315	0.171	0.348	15 - 23 - 33	33	149	42.5	86.7	4.6 - 7.0 - 9.9	43	46	43	49	45	31	
	5'	415	0.296	0.604	20 - 26 - 37	41	196	73.8	150.4	6.1 - 8.1 - 11.4	48	52	50	58	56	41	
		125	0.025	0.052	2 - 5 - 16	-	59	6.1	13.1	0.7 - 1.6 - 4.9	26	22	16	17	-	-	
		245	0.094	0.201	9 - 16 - 29	23	116	23.5	50.2	2.7 - 4.8 - 8.7	37	37	33	38	32	18	
		305	0.146	0.312	13 - 20 - 32	29	144	36.3	77.7	4.0 - 6.0 - 9.8	40	42	38	45	41	27	
	1" Slot Width 8" Oval Inlet	2'	90	0.012	0.018	3 - 8 - 22	-	42	3.1	4.5	1.1 - 2.4 - 6.8	27	26	20	-	-	-
			180	0.049	0.072	14 - 22 - 44	22	85	12.3	17.9	4.2 - 6.8 - 13.5	39	42	37	31	25	-
			225	0.077	0.112	19 - 28 - 51	28	106	19.2	27.9	5.6 - 8.4 - 15.5	42	47	43	38	33	14
270			0.111	0.161	22 - 33 - 56	33	127	27.7	40.2	6.8 - 10.1 - 17.0	45	51	47	44	40	21	
360		0.198	0.287	30 - 44 - 64	41	170	49.2	71.4	9.0 - 13.5 - 19.6	50	57	55	53	51	32		
4'		140	0.017	0.030	4 - 9 - 20	-	66	4.2	7.6	1.2 - 2.8 - 6.2	27	25	19	14	-	-	
		260	0.058	0.105	13 - 19 - 30	22	123	14.5	26.1	3.8 - 5.8 - 9.0	37	39	35	34	28	11	
		320	0.088	0.159	16 - 23 - 33	28	151	21.9	39.5	4.7 - 7.1 - 10.0	41	43	40	40	35	19	
		380	0.124	0.224	18 - 25 - 36	32	179	30.9	55.7	5.6 - 7.7 - 10.9	43	47	44	46	42	26	
5'		500	0.215	0.387	24 - 29 - 41	40	236	53.5	96.4	7.2 - 8.8 - 12.5	48	53	51	55	52	36	
		160	0.019	0.037	4 - 8 - 21	-	76	4.8	9.2	1.1 - 2.6 - 6.3	27	24	19	15	-	-	
		300	0.068	0.130	13 - 20 - 32	22	142	16.9	32.3	4.0 - 5.9 - 9.7	37	38	34	36	29	14	
		370	0.103	0.198	16 - 24 - 35	28	175	25.7	49.2	4.9 - 7.3 - 10.8	41	43	39	42	37	22	
1" Slot Width 10" Oval Inlet		2'	440	0.146	0.279	19 - 27 - 39	33	208	36.3	69.5	5.8 - 8.3 - 11.7	43	47	44	48	44	28
			580	0.253	0.485	25 - 31 - 44	41	274	63.1	120.8	7.7 - 9.5 - 13.5	48	53	50	57	54	39
			100	0.012	0.015	4 - 10 - 25	-	47	2.9	3.8	1.3 - 2.9 - 7.5	27	26	21	-	-	-
	200		0.047	0.061	16 - 25 - 48	21	94	11.6	15.2	5.0 - 7.5 - 14.6	38	42	38	28	21	-	
	250	0.073	0.095	21 - 31 - 54	27	118	18.1	23.7	6.3 - 9.4 - 16.3	42	47	43	35	30	-		
	300	0.105	0.137	25 - 37 - 59	32	142	26.1	34.2	7.5 - 11.3 - 17.9	45	51	48	41	37	17		
	400	0.186	0.244	33 - 48 - 68	40	189	46.3	60.8	10.0 - 14.6 - 20.6	50	57	55	50	48	28		
	4'	150	0.013	0.021	5 - 10 - 22	-	71	3.2	5.2	1.4 - 3.2 - 6.6	26	24	19	-	-	-	
		290	0.048	0.078	14 - 21 - 31	21	137	11.9	19.5	4.3 - 6.4 - 9.5	37	39	35	31	25	-	
		360	0.074	0.121	17 - 25 - 35	27	170	18.4	30.1	5.3 - 7.5 - 10.6	41	44	40	38	33	15	
		430	0.105	0.172	21 - 27 - 38	32	203	26.3	43.0	6.3 - 8.2 - 11.6	44	48	45	44	39	22	
	5'	570	0.185	0.303	25 - 31 - 44	40	269	46.1	75.5	7.7 - 9.4 - 13.3	48	54	52	53	50	33	
		175	0.015	0.026	5 - 10 - 23	-	83	3.7	6.4	1.4 - 3.1 - 6.9	27	24	18	12	-	-	
		325	0.051	0.089	14 - 21 - 33	21	153	12.7	22.2	4.3 - 6.4 - 10.1	37	38	34	32	25	-	
		400	0.077	0.135	17 - 26 - 37	26	189	19.2	33.7	5.3 - 7.9 - 11.2	40	43	39	39	33	16	
	1" Slot Width 12" Oval Inlet	4'	475	0.109	0.191	21 - 28 - 40	31	224	27.1	47.5	6.3 - 8.6 - 12.2	43	47	43	44	40	23
625			0.189	0.330	27 - 33 - 46	39	295	47.0	82.2	8.1 - 9.9 - 14.0	47	53	50	53	50	34	
190			0.012	0.017	7 - 14 - 25	-	90	3.1	4.3	2.3 - 4.2 - 7.7	27	27	21	-	-	-	
370			0.047	0.065	18 - 25 - 35	22	175	11.6	16.2	5.5 - 7.6 - 10.8	38	41	37	29	23	-	
460		0.072	0.101	22 - 28 - 39	28	217	17.9	25.0	6.8 - 8.5 - 12.0	42	46	43	36	31	12		
550		0.103	0.144	25 - 30 - 43	32	260	25.6	35.8	7.6 - 9.3 - 13.1	45	50	47	42	38	19		
730		0.181	0.253	29 - 35 - 50	40	345	45.2	63.1	8.7 - 10.7 - 15.1	49	57	54	51	48	30		
5'		210	0.012	0.018	6 - 14 - 27	-	99	3.0	4.4	2.0 - 4.2 - 8.1	27	25	19	-	-	-	
		410	0.045	0.068	18 - 26 - 37	21	193	11.3	16.9	5.4 - 8.0 - 11.3	38	40	36	30	23	-	
		510	0.070	0.105	22 - 29 - 42	27	241	17.5	26.2	6.7 - 8.9 - 12.6	41	45	41	37	31	13	
		610	0.100	0.150	26 - 32 - 45	32	288	25.0	37.5	8.0 - 9.8 - 13.8	44	49	46	43	38	20	
810		810	0.177	0.265	30 - 37 - 52	40	382	44.0	66.1	9.2 - 11.2 - 15.9	49	55	53	52	49	31	

NOTE: See notes on page F1-21.

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**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1 1/2" SLOT WIDTH, 1-SLOT, 1-WAY (NO DAMPER)

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
			Ps	Pt				Ps	Pt								
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m							
1 1/2" Slot Width 6" Oval Inlet	2'	40	0.017	0.020	3 - 7 - 16	-	19	4.3	5.0	0.9 - 2.0 - 4.9	32	31	22	-	-	-	
		75	0.060	0.070	10 - 15 - 29	24	35	15.0	17.5	3.1 - 4.6 - 8.9	43	46	39	28	22	14	
		93	0.091	0.107	12 - 19 - 33	30	44	22.7	26.5	3.8 - 5.7 - 9.9	47	50	45	34	29	21	
		110	0.129	0.151	15 - 22 - 36	35	52	32.2	37.5	4.5 - 6.7 - 10.8	50	54	49	40	35	27	
	145	0.224	0.262	19 - 29 - 41	42	68	55.9	65.2	5.9 - 8.8 - 12.4	55	61	57	48	45	36		
	4'	60	0.015	0.021	3 - 7 - 14	-	28	3.6	5.2	1.0 - 2.2 - 4.3	31	26	18	-	-	-	
		105	0.044	0.064	8 - 12 - 19	23	50	11.1	16.0	2.5 - 3.8 - 5.7	41	39	33	25	26	22	
		128	0.066	0.095	10 - 15 - 21	28	60	16.3	23.6	3.1 - 4.5 - 6.3	44	43	38	31	32	28	
		150	0.091	0.131	12 - 16 - 23	33	71	22.6	32.6	3.6 - 4.8 - 6.8	47	47	43	36	38	34	
	195	0.153	0.221	15 - 18 - 26	40	92	38.2	55.1	4.5 - 5.5 - 7.8	51	53	50	44	47	43		
	5'	70	0.016	0.024	3 - 7 - 15	-	33	3.9	6.1	1.0 - 2.1 - 4.5	31	25	17	-	-	-	
		120	0.046	0.072	9 - 13 - 20	23	57	11.5	17.9	2.6 - 3.9 - 6.1	40	37	32	24	28	25	
145		0.068	0.105	10 - 15 - 22	28	68	16.8	26.2	3.1 - 4.7 - 6.7	43	42	37	30	34	32		
170		0.093	0.144	12 - 17 - 24	33	80	23.1	36.0	3.7 - 5.2 - 7.3	46	45	41	35	40	37		
220	0.155	0.242	16 - 19 - 27	40	104	38.7	60.2	4.7 - 5.9 - 8.3	51	51	48	43	48	46			
1 1/2" Slot Width 8" Oval Inlet	2'	50	0.029	0.030	5 - 10 - 20	-	24	7.1	7.6	1.4 - 3.1 - 6.1	34	35	25	-	-	-	
		90	0.093	0.099	12 - 18 - 32	23	42	23.2	24.5	3.7 - 5.5 - 9.8	44	49	41	28	18	-	
		110	0.139	0.147	15 - 22 - 36	29	52	34.6	36.7	4.5 - 6.7 - 10.8	48	53	47	35	25	13	
		130	0.194	0.206	17 - 26 - 39	33	61	48.3	51.2	5.3 - 8.0 - 11.8	50	57	51	40	30	19	
	170	0.332	0.352	23 - 31 - 44	41	80	82.6	87.6	6.9 - 9.5 - 13.5	55	63	59	48	39	28		
	4'	75	0.016	0.020	5 - 9 - 16	-	35	4.0	5.0	1.5 - 2.7 - 4.8	32	30	21	-	-	-	
		135	0.053	0.065	11 - 15 - 21	24	64	13.1	16.2	3.3 - 4.6 - 6.5	43	44	37	27	24	16	
		165	0.078	0.097	13 - 17 - 24	29	78	19.5	24.2	4.0 - 5.1 - 7.2	46	48	43	33	30	23	
		195	0.110	0.136	15 - 18 - 26	34	92	27.3	33.8	4.5 - 5.5 - 7.8	49	52	47	39	36	29	
	255	0.187	0.232	17 - 21 - 29	41	120	46.7	57.8	5.2 - 6.3 - 8.9	54	58	55	47	45	38		
	5'	85	0.015	0.020	5 - 9 - 17	-	40	3.8	5.0	1.4 - 2.7 - 5.2	32	28	20	-	-	-	
		145	0.044	0.059	10 - 15 - 22	22	68	11.0	14.6	3.1 - 4.7 - 6.7	41	41	34	25	23	18	
175		0.065	0.086	12 - 17 - 24	28	83	16.1	21.3	3.8 - 5.2 - 7.4	44	45	39	31	30	24		
205		0.089	0.117	15 - 19 - 26	32	97	22.0	29.3	4.4 - 5.7 - 8.0	47	49	44	36	35	30		
265	0.148	0.196	17 - 21 - 30	39	125	36.8	48.9	5.3 - 6.4 - 9.1	52	55	51	44	44	38			
1 1/2" Slot Width 10" Oval Inlet	2'	70	0.078	0.079	9 - 14 - 28	12	33	19.3	19.8	2.8 - 4.3 - 8.6	38	42	33	17	-	-	
		110	0.192	0.196	15 - 22 - 36	25	52	47.7	48.8	4.5 - 6.7 - 10.8	46	53	45	31	17	-	
		130	0.268	0.274	17 - 26 - 39	29	61	66.7	68.2	5.3 - 8.0 - 11.8	49	56	50	36	23	-	
		150	0.356	0.365	20 - 29 - 42	33	71	88.7	90.8	6.1 - 8.9 - 12.6	51	60	54	41	28	14	
	190	0.572	0.585	26 - 33 - 47	40	90	142.4	145.6	7.8 - 10.1 - 14.2	55	65	60	48	36	22		
	4'	90	0.021	0.024	7 - 11 - 17	-	42	5.3	6.0	2.2 - 3.3 - 5.3	34	33	24	11	-	-	
		150	0.059	0.067	12 - 16 - 23	23	71	14.7	16.7	3.6 - 4.8 - 6.8	43	45	38	27	20	-	
		180	0.085	0.097	14 - 17 - 25	28	85	21.2	24.1	4.3 - 5.3 - 7.5	46	50	43	32	26	17	
		210	0.116	0.132	15 - 19 - 27	32	99	28.8	32.8	4.7 - 5.7 - 8.1	49	53	48	37	31	22	
	270	0.191	0.218	17 - 21 - 30	39	127	47.7	54.3	5.3 - 6.5 - 9.2	53	59	54	45	40	31		
	5'	100	0.018	0.021	6 - 11 - 18	-	47	4.4	5.3	1.9 - 3.2 - 5.6	33	31	22	-	-	-	
		170	0.051	0.062	12 - 17 - 24	23	80	12.7	15.3	3.7 - 5.2 - 7.3	42	44	37	26	22	14	
205		0.074	0.090	15 - 19 - 26	28	97	18.5	22.3	4.4 - 5.7 - 8.0	45	48	42	32	28	20		
240		0.102	0.123	16 - 20 - 28	32	113	25.4	30.6	5.0 - 6.1 - 8.7	48	52	46	37	33	26		
310	0.170	0.205	19 - 23 - 32	39	146	42.3	51.0	5.7 - 7.0 - 9.8	53	57	53	45	42	34			
1 1/2" Slot Width 12" Oval Inlet	4'	100	0.031	0.033	8 - 12 - 18	-	47	7.8	8.2	2.4 - 3.6 - 5.6	33	35	25	-	-	-	
		180	0.102	0.106	14 - 17 - 25	22	85	25.4	26.4	4.3 - 5.3 - 7.5	43	48	41	27	15	-	
		220	0.152	0.159	16 - 19 - 27	27	104	37.9	39.5	4.8 - 5.9 - 8.3	47	53	46	33	22	-	
		260	0.213	0.222	17 - 21 - 30	32	123	52.9	55.2	5.2 - 6.4 - 9.0	50	57	51	38	27	15	
	340	0.363	0.379	20 - 24 - 34	39	160	90.5	94.4	5.9 - 7.3 - 10.3	55	63	58	47	37	24		
	5'	110	0.021	0.023	8 - 12 - 19	-	52	5.3	5.7	2.4 - 3.6 - 5.9	32	32	22	-	-	-	
		200	0.070	0.075	14 - 18 - 26	21	94	17.4	18.8	4.3 - 5.6 - 7.9	42	46	39	26	16	-	
		245	0.105	0.113	17 - 20 - 29	27	116	26.1	28.1	5.1 - 6.2 - 8.7	46	51	44	32	23	12	
290		0.147	0.158	18 - 22 - 31	31	137	36.6	39.4	5.5 - 6.7 - 9.5	49	55	49	37	29	18		
380	0.252	0.272	21 - 25 - 36	39	179	62.9	67.7	6.3 - 7.7 - 10.9	54	61	56	46	38	27			

NOTE: See notes on page F1-21.

PTBS | Gasketed Aluminum Blade

**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1 1/2" SLOT WIDTH, 2-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressure		1-Way Throw		Air Flow	Pressures		1-Way Throw							
			Ps	Pt				Ps	Pt								
			CFM	"WG	"WG			ft	L/s	Pa	Pa	m	2	3	4	5	6
1 1/2" Slot Width	2'	60	0.015	0.021	2 - 5 - 17	-	28	3.6	5.2	0.7 - 1.6 - 5.2	31	26	18	-	-	-	
		105	0.044	0.064	7 - 15 - 30	23	50	11.1	16.0	2.2 - 4.6 - 9.1	41	39	33	25	26	22	
		128	0.066	0.095	11 - 18 - 36	28	60	16.3	23.6	3.2 - 5.5 - 11.1	44	43	38	31	32	28	
		150	0.091	0.131	14 - 21 - 42	33	71	22.6	32.6	4.3 - 6.5 - 12.6	47	47	43	36	38	34	
	6" Oval Inlet	4'	195	0.153	0.221	19 - 28 - 47	40	92	38.2	55.1	5.6 - 8.5 - 14.4	51	53	50	44	47	43
			70	0.011	0.019	2 - 3 - 12	-	33	2.7	4.9	0.5 - 1.1 - 3.6	25	15	-	-	-	-
			140	0.043	0.078	6 - 12 - 22	20	66	10.7	19.4	1.9 - 3.6 - 6.6	37	31	25	20	28	28
			175	0.067	0.122	10 - 15 - 24	26	83	16.7	30.3	2.9 - 4.5 - 7.4	41	36	32	27	35	36
		5'	210	0.097	0.175	12 - 18 - 27	31	99	24.0	43.7	3.6 - 5.4 - 8.1	44	40	37	33	41	42
			280	0.172	0.312	16 - 22 - 31	39	132	42.8	77.6	4.8 - 6.6 - 9.4	49	47	44	41	51	52
			80	0.012	0.024	1 - 3 - 12	-	38	3.0	5.9	0.4 - 1.0 - 3.7	24	13	-	-	-	-
			160	0.049	0.094	6 - 12 - 23	20	76	12.1	23.5	1.8 - 3.7 - 7.1	37	29	24	20	30	31
8" Oval Inlet	2'	200	0.076	0.147	9 - 15 - 26	26	94	18.9	36.7	2.8 - 4.6 - 7.9	40	35	30	27	37	39	
		240	0.109	0.212	12 - 18 - 28	31	113	27.2	52.9	3.7 - 5.5 - 8.7	44	39	35	32	43	45	
		320	0.194	0.377	16 - 23 - 33	39	151	48.4	94.0	4.9 - 7.1 - 10.0	49	46	43	41	53	55	
		75	0.016	0.020	4 - 8 - 21	-	35	4.0	5.0	1.1 - 2.5 - 6.5	32	30	21	-	-	-	
	4'	135	0.053	0.065	12 - 19 - 39	24	64	13.1	16.2	3.6 - 5.9 - 11.7	43	44	37	27	24	16	
		165	0.078	0.097	16 - 24 - 44	29	78	19.5	24.2	4.8 - 7.2 - 13.3	46	48	43	33	30	23	
		195	0.110	0.136	19 - 28 - 47	34	92	27.3	33.8	5.6 - 8.5 - 14.4	49	52	47	39	36	29	
		255	0.187	0.232	24 - 36 - 54	41	120	46.7	57.8	7.4 - 11.1 - 16.5	54	58	55	47	45	38	
		5'	90	0.010	0.016	3 - 6 - 15	-	42	2.5	3.9	0.8 - 1.8 - 4.6	27	20	11	-	-	-
			180	0.040	0.063	10 - 15 - 25	21	85	10.1	15.6	3.1 - 4.6 - 7.5	39	36	30	22	25	23
			225	0.063	0.098	13 - 19 - 28	27	106	15.7	24.4	3.8 - 5.7 - 8.4	43	41	36	29	33	30
			270	0.091	0.141	15 - 21 - 30	32	127	22.6	35.1	4.6 - 6.5 - 9.2	46	45	41	35	39	37
10" Oval Inlet	2'	360	0.161	0.251	20 - 25 - 35	40	170	40.2	62.5	6.1 - 7.5 - 10.6	51	52	49	44	49	47	
		100	0.010	0.017	2 - 5 - 15	-	47	2.5	4.3	0.7 - 1.5 - 4.6	26	17	-	-	-	-	
		200	0.041	0.068	9 - 15 - 26	21	94	10.2	17.1	2.8 - 4.6 - 7.9	38	33	28	21	26	25	
		250	0.064	0.107	13 - 19 - 29	27	118	15.9	26.6	3.8 - 5.7 - 8.8	42	39	34	28	34	33	
	4'	300	0.092	0.154	15 - 23 - 32	32	142	22.9	38.4	4.6 - 6.8 - 9.7	45	43	39	34	40	39	
		400	0.164	0.274	20 - 26 - 37	40	189	40.7	68.2	6.1 - 7.9 - 11.2	50	50	47	43	50	49	
		90	0.021	0.024	5 - 12 - 26	-	42	5.3	6.0	1.6 - 3.6 - 7.8	34	33	24	11	-	-	
		160	0.067	0.077	15 - 23 - 43	25	76	16.7	19.1	4.6 - 6.9 - 13.1	44	47	40	29	22	13	
		5'	195	0.100	0.114	19 - 28 - 47	30	92	24.9	28.3	5.6 - 8.5 - 14.4	47	51	46	35	29	20
			230	0.139	0.158	22 - 33 - 51	35	109	34.6	39.4	6.6 - 10.0 - 15.6	50	55	50	40	34	25
			300	0.236	0.269	29 - 42 - 59	42	142	58.9	67.0	8.7 - 12.6 - 17.9	55	61	57	48	43	34
			100	0.009	0.013	3 - 7 - 17	-	47	2.3	3.2	1.0 - 2.2 - 5.1	27	21	12	-	-	-
12" Oval Inlet	4'	210	0.041	0.057	12 - 18 - 27	21	99	10.1	14.1	3.6 - 5.4 - 8.1	40	39	32	24	23	19	
		265	0.065	0.090	15 - 21 - 30	28	125	16.1	22.5	4.5 - 6.4 - 9.1	44	44	39	31	31	27	
		320	0.094	0.131	18 - 23 - 33	33	151	23.5	32.7	5.5 - 7.1 - 10.0	47	48	44	37	38	33	
		430	0.170	0.237	22 - 27 - 38	41	203	42.4	59.1	6.7 - 8.2 - 11.6	53	55	52	46	48	43	
	5'	110	0.009	0.013	3 - 6 - 17	-	52	2.2	3.3	0.8 - 1.9 - 5.0	26	19	-	-	-	-	
		230	0.038	0.057	12 - 17 - 28	21	109	9.5	14.3	3.5 - 5.3 - 8.5	39	36	30	22	24	21	
		290	0.061	0.091	15 - 22 - 31	27	137	15.1	22.7	4.4 - 6.6 - 9.5	43	41	36	29	32	29	
		350	0.088	0.133	18 - 24 - 34	32	165	22.0	33.1	5.3 - 7.4 - 10.5	46	46	41	35	38	35	
		470	0.159	0.240	23 - 28 - 40	40	222	39.7	59.6	7.0 - 8.6 - 12.1	51	53	49	44	48	45	
		150	0.015	0.018	7 - 13 - 23	-	71	3.8	4.6	2.2 - 3.8 - 6.8	32	30	21	-	-	-	
		270	0.050	0.060	15 - 21 - 30	22	127	12.4	14.9	4.6 - 6.5 - 9.2	42	43	37	26	21	13	
		330	0.075	0.089	18 - 24 - 33	28	156	18.6	22.2	5.6 - 7.2 - 10.2	45	48	42	32	28	20	
5'	390	0.104	0.125	21 - 26 - 36	32	184	25.9	31.1	6.4 - 7.8 - 11.0	48	52	47	37	33	25		
	510	0.178	0.213	24 - 29 - 42	40	241	44.4	53.1	7.3 - 8.9 - 12.6	53	58	54	46	42	35		
	170	0.014	0.018	7 - 13 - 24	-	80	3.5	4.5	2.0 - 3.9 - 7.3	31	28	19	-	-	-		
	310	0.047	0.060	16 - 23 - 32	23	146	11.6	14.9	4.7 - 7.0 - 9.8	42	42	35	26	23	16		
5'	380	0.070	0.090	19 - 25 - 36	28	179	17.5	22.3	5.8 - 7.7 - 10.9	45	47	41	32	30	23		
	450	0.099	0.126	23 - 28 - 39	33	212	24.5	31.3	6.8 - 8.4 - 11.9	48	50	46	37	36	29		
	590	0.169	0.216	26 - 32 - 45	40	278	42.2	53.9	7.8 - 9.6 - 13.6	53	57	53	46	45	39		

NOTE: See notes on page F1-21.

PTBS

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**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1 1/2" SLOT WIDTH, 3-SLOT, 1-WAY (NO DAMPER)

Linear Length	IP Data					NC	Metric Data				Octave Band, dB						
	Air Flow	Pressure		1-Way Throw	CFM		Air Flow	Pressure		1-Way Throw	2	3	4	5	6	7	
		Ps	Pt					Pa	Pa								m
1 1/2" Slot Width 6" Oval Inlet	2'	75	0.015	0.025	2 - 5 - 17	-	35	3.8	6.3	0.6 - 1.4 - 5.3	30	22	15	-	-	-	
		135	0.050	0.082	7 - 15 - 31	23	64	12.4	20.5	2.0 - 4.5 - 9.6	40	36	31	25	30	28	
		165	0.074	0.123	10 - 19 - 38	29	78	18.5	30.6	3.0 - 5.8 - 11.7	43	41	36	31	36	35	
		195	0.104	0.172	14 - 23 - 45	34	92	25.8	42.8	4.1 - 6.9 - 13.8	46	45	41	36	42	41	
		255	0.177	0.294	20 - 30 - 54	41	120	44.2	73.1	6.0 - 9.0 - 16.5	51	51	48	44	51	50	
	4'	100	0.017	0.035	2 - 4 - 14	-	47	4.3	8.7	0.5 - 1.2 - 4.2	26	15	-	-	12	14	
		190	0.062	0.126	6 - 13 - 25	22	90	15.4	31.5	1.9 - 4.0 - 7.7	37	30	25	21	33	36	
		235	0.095	0.193	10 - 16 - 28	28	111	23.6	48.2	2.9 - 4.9 - 8.6	41	35	31	28	40	44	
		280	0.135	0.275	13 - 19 - 31	33	132	33.5	68.4	3.9 - 5.8 - 9.4	44	39	35	33	46	50	
	5'	370	0.235	0.480	17 - 25 - 35	41	175	58.5	119.4	5.1 - 7.6 - 10.8	49	45	43	42	56	59	
		120	0.022	0.048	2 - 4 - 15	-	57	5.5	11.9	0.5 - 1.2 - 4.5	27	14	-	-	15	19	
		220	0.075	0.161	6 - 13 - 27	23	104	18.6	40.1	1.8 - 4.1 - 8.2	37	28	24	22	36	40	
270		0.112	0.243	9 - 17 - 30	29	127	28.0	60.4	2.7 - 5.0 - 9.2	41	33	30	28	43	47		
320		0.158	0.341	13 - 20 - 33	33	151	39.3	84.9	3.8 - 6.0 - 10.0	44	37	34	33	48	53		
420	0.272	0.587	17 - 26 - 38	41	198	67.8	146.3	5.2 - 7.8 - 11.5	48	43	42	42	58	63			
1 1/2" Slot Width 8" Oval Inlet	2'	80	0.011	0.015	2 - 5 - 19	-	38	2.7	3.8	0.7 - 1.6 - 5.7	28	23	14	-	-	-	
		160	0.043	0.061	9 - 19 - 37	22	76	10.7	15.1	2.8 - 5.7 - 11.3	40	39	33	24	25	20	
		200	0.067	0.095	14 - 23 - 47	28	94	16.8	23.6	4.3 - 7.1 - 14.2	44	44	39	31	32	28	
		240	0.097	0.137	19 - 28 - 53	33	113	24.2	34.1	5.7 - 8.5 - 16.0	48	48	44	37	38	34	
		320	0.173	0.243	25 - 37 - 61	41	151	43.0	60.5	7.6 - 11.3 - 18.5	53	55	52	46	48	44	
	4'	125	0.014	0.025	3 - 6 - 17	-	59	3.5	6.1	0.8 - 1.8 - 5.2	28	19	11	-	-	-	
		235	0.049	0.087	10 - 16 - 28	22	111	12.2	21.7	2.9 - 4.9 - 8.6	39	33	28	23	30	30	
		290	0.075	0.133	13 - 20 - 31	28	137	18.6	33.0	4.0 - 6.1 - 9.5	42	38	34	29	37	37	
		345	0.106	0.188	16 - 24 - 34	33	163	26.3	46.8	4.8 - 7.2 - 10.4	45	42	39	35	43	43	
	5'	455	0.184	0.327	21 - 28 - 39	41	215	45.8	81.3	6.3 - 8.4 - 11.9	50	49	46	43	52	53	
		150	0.017	0.033	3 - 6 - 18	-	71	4.3	8.1	0.8 - 1.9 - 5.6	28	18	11	-	12	13	
		270	0.056	0.106	9 - 17 - 30	23	127	13.9	26.4	2.7 - 5.0 - 9.2	38	32	27	23	32	33	
330		0.083	0.158	13 - 20 - 33	28	156	20.7	39.4	4.1 - 6.2 - 10.2	42	37	33	29	39	40		
390		0.116	0.221	16 - 24 - 36	33	184	29.0	55.1	4.9 - 7.3 - 11.0	45	41	37	34	44	46		
510	0.199	0.378	21 - 29 - 42	40	241	49.5	94.2	6.3 - 8.9 - 12.6	49	47	44	42	53	55			
1 1/2" Slot Width 10" Oval Inlet	2'	100	0.013	0.017	4 - 8 - 23	-	47	3.3	4.2	1.1 - 2.4 - 7.1	31	27	18	-	-	-	
		190	0.048	0.061	13 - 22 - 44	23	90	12.0	15.3	3.9 - 6.7 - 13.5	42	42	36	26	23	17	
		235	0.074	0.094	18 - 27 - 52	29	111	18.4	23.4	5.5 - 8.3 - 15.8	46	47	42	33	31	24	
		280	0.105	0.133	22 - 33 - 57	34	132	26.1	33.2	6.6 - 9.9 - 17.3	49	51	47	38	36	30	
		370	0.183	0.233	29 - 43 - 65	41	175	45.7	58.0	8.7 - 13.1 - 19.8	54	58	54	47	46	40	
	4'	150	0.014	0.022	4 - 9 - 21	-	71	3.4	5.4	1.2 - 2.7 - 6.3	29	22	14	-	-	-	
		270	0.044	0.071	12 - 19 - 30	22	127	11.0	17.6	3.8 - 5.6 - 9.2	39	36	30	23	27	25	
		330	0.066	0.106	15 - 23 - 33	28	156	16.4	26.3	4.6 - 6.9 - 10.2	43	41	36	30	34	32	
		390	0.092	0.147	18 - 26 - 36	32	184	23.0	36.7	5.4 - 7.8 - 11.0	46	44	40	35	40	38	
	5'	510	0.158	0.252	23 - 29 - 42	40	241	39.3	62.7	7.1 - 8.9 - 12.6	51	51	48	43	49	47	
		170	0.015	0.025	4 - 8 - 21	-	80	3.6	6.2	1.1 - 2.4 - 6.3	29	20	13	-	-	-	
		310	0.048	0.083	12 - 19 - 32	23	146	12.0	20.7	3.6 - 5.8 - 9.8	39	34	29	23	29	29	
380		0.073	0.125	16 - 23 - 36	28	179	18.1	31.1	4.7 - 7.1 - 10.9	43	39	35	30	36	36		
450		0.102	0.175	18 - 28 - 39	33	212	25.4	43.6	5.6 - 8.4 - 11.9	46	43	39	35	42	42		
590	0.175	0.301	24 - 32 - 45	40	278	43.6	75.0	7.3 - 9.6 - 13.6	50	49	47	43	51	51			
1 1/2" Slot Width 12" Oval Inlet	4'	200	0.015	0.021	7 - 14 - 26	-	94	3.8	5.1	2.1 - 4.2 - 7.9	32	28	19	-	-	-	
		350	0.047	0.063	16 - 24 - 34	23	165	11.6	15.8	4.9 - 7.3 - 10.5	41	41	35	26	25	20	
		425	0.069	0.093	19 - 27 - 38	29	201	17.2	23.2	5.9 - 8.1 - 11.5	45	45	40	32	32	26	
		500	0.095	0.129	23 - 29 - 41	33	236	23.8	32.2	7.0 - 8.8 - 12.5	48	49	44	37	37	32	
		650	0.161	0.218	27 - 33 - 47	40	307	40.2	54.3	8.2 - 10.1 - 14.2	52	55	52	45	46	41	
	5'	220	0.014	0.021	6 - 13 - 27	-	104	3.6	5.2	1.8 - 4.1 - 8.2	31	25	17	-	-	-	
		380	0.043	0.062	16 - 23 - 36	22	179	10.6	15.4	4.7 - 7.1 - 10.9	40	38	32	24	25	21	
		460	0.062	0.091	19 - 28 - 39	27	217	15.5	22.6	5.7 - 8.5 - 12.0	43	42	37	30	32	28	
		540	0.086	0.125	22 - 30 - 43	32	255	21.4	31.2	6.7 - 9.2 - 13.0	46	46	42	35	37	33	
		700	0.144	0.210	28 - 34 - 49	39	330	35.9	52.4	8.5 - 10.5 - 14.8	51	52	49	43	46	42	

PLENUM SLOT DIFFUSERS

P T B S

NOTE: See notes on page F1-21.

**PTBS Performance Data: Horizontal Throw**

IP/METRIC DATA: PTBS, 1 1/2" SLOT WIDTH, 4-SLOT, 1-WAY (NO DAMPER)

PLENUM SLOT DIFFUSERS

Linear Length	IP Data					NC	Metric Data				Octave Band, dB						
	Air Flow	Pressure		1-Way Throw	Air Flow		Pressure		1-Way Throw	Octave Band, dB							
		Ps	Pt				Ps	Pt		Octave Band, dB							
		CFM	"WG	"WG			ft	L/s	Pa	Pa	m	2	3	4	5	6	7
1 1/2" Slot Width	2'	70	0.011	0.019	1 - 3 - 10	-	33	2.7	4.9	0.3 - 0.8 - 3.1	25	15	-	-	-	-	
		140	0.043	0.078	5 - 10 - 28	20	66	10.7	19.4	1.4 - 3.1 - 8.6	37	31	25	20	28	28	
		175	0.067	0.122	7 - 16 - 35	26	83	16.7	30.3	2.2 - 4.9 - 10.7	41	36	32	27	35	36	
		210	0.097	0.175	10 - 21 - 42	31	99	24.0	43.7	3.1 - 6.4 - 12.9	44	40	37	33	41	42	
		280	0.172	0.312	18 - 28 - 56	39	132	42.8	77.6	5.5 - 8.6 - 17.2	49	47	44	41	51	52	
6" Oval Inlet	4'	115	0.020	0.043	1 - 3 - 13	-	54	4.9	10.8	0.5 - 1.0 - 4.1	25	12	-	-	13	18	
		215	0.069	0.152	5 - 12 - 26	21	101	17.3	37.8	1.6 - 3.5 - 7.8	36	26	22	20	34	39	
		265	0.105	0.231	8 - 16 - 30	27	125	26.2	57.5	2.4 - 4.8 - 9.1	40	31	28	26	41	46	
		315	0.149	0.326	11 - 19 - 33	32	149	37.1	81.2	3.4 - 5.7 - 9.9	43	35	32	31	47	52	
		415	0.258	0.566	16 - 25 - 37	39	196	64.4	141.0	5.0 - 7.5 - 11.4	47	42	40	40	56	62	
5'	5'	125	0.022	0.049	1 - 3 - 11	-	59	5.4	12.3	0.4 - 0.9 - 3.4	24	-	-	-	13	19	
		235	0.076	0.175	4 - 10 - 25	20	111	18.9	43.5	1.3 - 3.0 - 7.6	35	24	19	18	35	41	
		290	0.116	0.266	7 - 15 - 31	26	137	28.9	66.3	2.0 - 4.6 - 9.4	38	29	25	24	42	48	
		345	0.164	0.377	10 - 18 - 34	31	163	40.8	93.8	2.9 - 5.6 - 10.4	41	33	30	30	48	54	
		455	0.285	0.655	16 - 24 - 39	39	215	71.0	163.1	4.9 - 7.4 - 11.9	46	39	37	38	57	64	
1 1/2" Slot Width	2'	90	0.010	0.016	2 - 4 - 17	-	42	2.5	3.9	0.6 - 1.3 - 5.1	27	20	11	-	-	-	
		180	0.040	0.063	8 - 17 - 36	21	85	10.1	15.6	2.3 - 5.1 - 11.0	39	36	30	22	25	23	
		225	0.063	0.098	12 - 23 - 45	27	106	15.7	24.4	3.6 - 6.9 - 13.8	43	41	36	29	33	30	
		270	0.091	0.141	17 - 27 - 54	32	127	22.6	35.1	5.1 - 8.3 - 16.6	46	45	41	35	39	37	
		360	0.161	0.251	24 - 36 - 64	40	170	40.2	62.5	7.4 - 11.0 - 19.6	51	52	49	44	49	47	
8" Oval Inlet	4'	140	0.014	0.028	2 - 5 - 17	-	66	3.6	7.0	0.7 - 1.5 - 5.1	26	15	-	-	-	-	
		260	0.050	0.096	8 - 15 - 30	21	123	12.4	24.0	2.3 - 4.7 - 9.0	37	30	25	20	30	32	
		320	0.075	0.146	11 - 19 - 33	26	151	18.7	36.3	3.5 - 5.8 - 10.0	40	35	30	27	37	39	
		380	0.106	0.206	15 - 23 - 36	31	179	26.4	51.2	4.6 - 6.9 - 10.9	43	39	35	32	43	45	
		500	0.184	0.356	20 - 29 - 41	39	236	45.8	88.7	6.0 - 8.8 - 12.5	48	45	42	40	52	54	
5'	5'	160	0.017	0.034	2 - 5 - 17	-	76	4.1	8.5	0.6 - 1.4 - 5.2	26	14	-	-	11	14	
		300	0.059	0.121	7 - 16 - 32	21	142	14.6	30.0	2.2 - 4.8 - 9.7	37	28	24	20	32	36	
		370	0.089	0.183	11 - 20 - 35	27	175	22.2	45.7	3.3 - 6.0 - 10.8	40	33	29	27	39	43	
		440	0.126	0.259	16 - 23 - 39	32	208	31.4	64.6	4.7 - 7.1 - 11.7	43	37	34	32	45	49	
		580	0.219	0.451	21 - 31 - 44	39	274	54.5	112.2	6.2 - 9.4 - 13.5	48	44	42	41	54	58	
1 1/2" Slot Width	2'	100	0.009	0.013	2 - 5 - 20	-	47	2.3	3.2	0.7 - 1.6 - 6.1	27	21	12	-	-	-	
		210	0.041	0.057	10 - 21 - 42	21	99	10.1	14.1	3.1 - 6.4 - 12.9	40	39	32	24	23	19	
		265	0.065	0.090	16 - 27 - 53	28	125	16.1	22.5	5.0 - 8.1 - 16.3	44	44	39	31	31	27	
		320	0.094	0.131	22 - 32 - 61	33	151	23.5	32.7	6.5 - 9.8 - 18.5	47	48	44	37	38	33	
		430	0.170	0.237	29 - 43 - 70	41	203	42.4	59.1	8.8 - 13.2 - 21.4	53	55	52	46	48	43	
10" Oval Inlet	4'	160	0.012	0.022	3 - 6 - 19	-	76	3.1	5.4	0.9 - 2.0 - 5.8	27	18	-	-	-	-	
		310	0.046	0.081	11 - 18 - 32	22	146	11.5	20.1	3.3 - 5.6 - 9.8	38	33	28	22	29	28	
		385	0.071	0.125	15 - 23 - 36	28	182	17.7	31.1	4.6 - 7.0 - 11.0	42	38	34	29	36	36	
		460	0.101	0.178	18 - 27 - 39	32	217	25.2	44.3	5.5 - 8.3 - 12.0	45	42	38	34	42	42	
		610	0.178	0.313	24 - 32 - 45	40	288	44.4	78.0	7.3 - 9.8 - 13.8	50	49	46	43	52	52	
5'	5'	180	0.013	0.025	3 - 6 - 19	-	85	3.3	6.2	0.8 - 1.8 - 5.8	26	16	-	-	-	-	
		350	0.050	0.095	10 - 19 - 34	21	165	12.5	23.6	3.0 - 5.7 - 10.5	38	31	26	21	30	31	
		435	0.078	0.146	15 - 23 - 38	27	205	19.4	36.4	4.6 - 7.0 - 11.7	41	36	32	28	38	39	
		520	0.111	0.209	18 - 28 - 42	32	245	27.7	52.1	5.6 - 8.4 - 12.7	45	40	37	34	44	45	
		690	0.196	0.368	24 - 34 - 48	40	326	48.7	91.7	7.4 - 10.4 - 14.7	49	47	45	42	53	55	
1 1/2" Slot Width	4'	200	0.011	0.016	4 - 10 - 24	-	94	2.7	4.1	1.4 - 3.1 - 7.2	28	22	13	-	-	-	
		380	0.040	0.059	15 - 23 - 36	21	179	9.9	14.7	4.6 - 6.9 - 10.9	39	37	31	23	25	21	
		470	0.061	0.091	19 - 28 - 40	27	222	15.1	22.6	5.7 - 8.5 - 12.1	43	42	36	29	32	28	
		560	0.086	0.129	22 - 31 - 44	32	264	21.5	32.0	6.7 - 9.4 - 13.2	46	46	41	35	38	34	
		740	0.151	0.225	29 - 35 - 50	40	349	37.5	55.9	8.8 - 10.8 - 15.2	51	52	49	43	47	44	
12" Oval Inlet	5'	225	0.011	0.018	4 - 9 - 24	-	106	2.8	4.5	1.2 - 2.8 - 7.3	27	20	11	-	-	-	
		435	0.042	0.068	15 - 23 - 38	21	205	10.5	16.8	4.6 - 7.0 - 11.7	39	35	29	22	27	24	
		540	0.065	0.104	19 - 29 - 43	27	255	16.1	25.9	5.8 - 8.7 - 13.0	43	40	35	29	34	32	
		645	0.092	0.149	23 - 33 - 47	32	304	23.0	37.0	6.9 - 10.0 - 14.2	46	44	40	35	40	38	
		855	0.162	0.261	30 - 38 - 54	40	404	40.4	65.0	9.2 - 11.6 - 16.3	51	51	48	43	49	48	

NOTE: See notes on page F1-21.

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**PTBS Performance Data: Vertical Throw**

IP/METRIC DATA: PTBS, 3/4" SLOT WIDTH, 1-SLOT (NO DAMPER)

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressure		Vertical Throw		Air Flow	Pressure		Vertical Throw	2	3	4	5	6	7
			Pt	Ps				Pt	Ps							
CFM	"WG	"WG	ft	L/s	Pa	Pa	m									
3/4" Slot Width	2'	140	0.061	0.051	3 - 4 - 9	20	66	15.1	12.6	0.9 - 1.3 - 2.6	45	43	32	26	18	-
		200	0.131	0.103	4 - 6 - 12	28	94	32.6	25.7	1.3 - 1.9 - 3.8	53	50	40	35	28	17
		230	0.173	0.137	5 - 7 - 14	32	109	43.1	34.0	1.4 - 2.2 - 4.3	56	53	43	38	32	21
		260	0.221	0.175	5 - 8 - 16	35	123	55.0	43.5	1.6 - 2.4 - 4.9	58	55	46	41	36	25
	320	0.335	0.264	7 - 10 - 19	40	151	83.4	65.8	2.0 - 3.0 - 5.7	62	60	51	46	42	32	
	4'	140	0.026	0.013	1 - 2 - 6	18	66	6.5	3.2	0.3 - 0.7 - 1.9	42	41	29	23	15	-
		210	0.059	0.028	2 - 5 - 9	27	99	14.6	7.1	0.7 - 1.4 - 2.8	50	49	39	33	26	16
		245	0.080	0.039	3 - 5 - 11	31	116	19.9	9.6	1.0 - 1.6 - 3.2	53	53	42	36	31	21
		280	0.105	0.051	4 - 6 - 12	35	132	26.0	12.6	1.2 - 1.9 - 3.7	56	55	45	40	34	25
	5'	350	0.163	0.079	5 - 8 - 15	40	165	40.7	19.7	1.5 - 2.3 - 4.6	61	60	50	45	41	32
		130	0.019	0.007	1 - 1 - 5	15	61	4.6	1.7	0.2 - 0.4 - 1.5	39	39	27	20	12	-
		210	0.049	0.018	2 - 4 - 8	27	99	12.1	4.5	0.5 - 1.1 - 2.5	49	49	38	32	25	15
250		0.069	0.026	2 - 5 - 10	31	118	17.1	6.4	0.7 - 1.5 - 3.0	53	52	42	36	30	20	
10" Oval Inlet	2'	290	0.093	0.035	3 - 6 - 11	35	137	23.1	8.7	1.0 - 1.7 - 3.4	56	55	45	39	34	25
		370	0.151	0.057	5 - 7 - 14	41	175	37.5	14.1	1.5 - 2.2 - 4.4	61	60	51	45	41	33
		130	0.050	0.044	3 - 4 - 8	13	61	12.4	10.9	0.8 - 1.2 - 2.4	40	37	25	19	-	-
		220	0.143	0.125	5 - 7 - 14	25	104	35.5	31.1	1.4 - 2.1 - 4.1	51	48	37	32	25	13
	4'	265	0.207	0.181	5 - 8 - 16	30	125	51.5	45.2	1.7 - 2.5 - 5.0	55	51	42	36	30	18
		310	0.283	0.248	6 - 10 - 18	34	146	70.5	61.8	1.9 - 2.9 - 5.6	58	55	45	40	34	23
		400	0.471	0.413	8 - 12 - 21	40	189	117.4	102.9	2.5 - 3.8 - 6.4	63	60	51	46	42	31
		160	0.026	0.017	1 - 3 - 7	16	76	6.4	4.1	0.4 - 0.9 - 2.1	41	39	28	21	12	-
	5'	250	0.063	0.040	3 - 5 - 11	27	118	15.7	10.0	1.0 - 1.7 - 3.3	50	48	38	32	25	14
		295	0.088	0.056	4 - 6 - 13	31	139	21.9	14.0	1.3 - 2.0 - 3.9	54	52	42	36	30	19
		340	0.117	0.075	5 - 7 - 15	34	160	29.1	18.6	1.5 - 2.3 - 4.5	57	55	45	39	34	24
		430	0.187	0.119	6 - 9 - 19	40	203	46.5	29.7	1.9 - 2.9 - 5.7	61	60	50	45	41	31
12" Oval Inlet	4'	170	0.022	0.012	1 - 2 - 7	16	80	5.6	3.0	0.3 - 0.7 - 2.0	41	40	28	22	13	-
		270	0.057	0.030	3 - 5 - 11	28	127	14.1	7.5	0.8 - 1.6 - 3.2	51	50	39	33	26	15
		320	0.080	0.042	4 - 6 - 12	32	151	19.8	10.5	1.2 - 1.9 - 3.8	54	53	43	37	31	21
		370	0.106	0.057	5 - 7 - 14	35	175	26.5	14.1	1.5 - 2.2 - 4.4	57	56	46	40	35	25
	5'	470	0.172	0.091	6 - 9 - 18	41	222	42.7	22.7	1.9 - 2.8 - 5.6	62	61	52	46	42	33
		220	0.038	0.031	3 - 5 - 10	15	104	9.4	7.8	0.8 - 1.5 - 2.9	42	39	27	21	12	-
		360	0.101	0.084	5 - 8 - 16	27	170	25.2	20.8	1.6 - 2.4 - 4.8	52	49	39	33	26	14
		430	0.144	0.119	6 - 9 - 19	32	203	35.9	29.7	1.9 - 2.9 - 5.7	56	53	43	37	31	19
	5'	500	0.195	0.161	7 - 11 - 22	35	236	48.6	40.2	2.2 - 3.3 - 6.6	59	56	46	41	35	24
		640	0.319	0.264	9 - 14 - 27	41	302	79.6	65.8	2.8 - 4.2 - 8.1	64	61	52	47	42	32
		220	0.027	0.020	2 - 4 - 9	15	104	6.6	5.0	0.6 - 1.3 - 2.6	41	38	27	20	11	-
		370	0.075	0.057	5 - 7 - 14	27	175	18.7	14.1	1.5 - 2.2 - 4.4	52	49	39	33	25	14
5'	445	0.108	0.082	6 - 9 - 17	32	210	27.0	20.4	1.8 - 2.6 - 5.3	55	53	43	37	31	20	
	520	0.148	0.112	7 - 10 - 20	36	245	36.9	27.8	2.1 - 3.1 - 6.2	59	56	46	41	35	24	
	670	0.246	0.185	9 - 13 - 26	42	316	61.2	46.2	2.6 - 4.0 - 7.9	64	61	52	47	42	32	

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.

**PTBS Performance Data: Vertical Throw**

IP/METRIC DATA: PTBS, 3/4" SLOT WIDTH, 2-SLOT (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressure		Vertical Throw		Air Flow	Pressure		Vertical Throw						
			Pt	Ps				Pt	Ps		Pt	Ps	m			
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
3/4" Slot Width	2'	140	0.022	0.013	1 - 2 - 6	12	66	5.5	3.2	0.3 - 0.7 - 1.9	39	36	25	18	-	-
		240	0.058	0.037	3 - 5 - 10	26	113	14.5	9.3	0.9 - 1.6 - 3.2	50	48	37	31	24	13
		290	0.085	0.054	4 - 6 - 13	30	137	21.1	13.5	1.3 - 1.9 - 3.8	53	52	41	36	29	19
		340	0.117	0.075	5 - 7 - 15	34	160	29.1	18.6	1.5 - 2.3 - 4.5	57	55	45	39	34	24
	440	0.195	0.125	6 - 10 - 19	40	208	48.7	31.1	1.9 - 2.9 - 5.8	62	60	51	46	41	32	
	4'	160	0.013	0.004	0 - 1 - 4	14	76	3.3	1.0	0.1 - 0.3 - 1.3	38	38	25	18	-	-
		270	0.038	0.012	1 - 3 - 8	26	127	9.5	2.9	0.4 - 0.9 - 2.5	49	48	37	31	24	14
		325	0.055	0.017	2 - 4 - 10	31	153	13.8	4.2	0.6 - 1.3 - 3.0	52	52	41	35	29	19
		380	0.076	0.023	3 - 6 - 12	35	179	18.9	5.8	0.8 - 1.8 - 3.6	56	55	45	39	34	24
	5'	490	0.126	0.039	4 - 8 - 15	41	231	31.4	9.6	1.4 - 2.3 - 4.6	61	61	51	45	41	32
		170	0.014	0.003	0 - 1 - 3	14	80	3.4	0.7	0.1 - 0.3 - 1.1	38	38	26	18	-	-
		290	0.039	0.009	1 - 3 - 8	28	137	9.8	2.2	0.3 - 0.8 - 2.4	49	49	38	31	25	15
350		0.057	0.013	2 - 4 - 10	32	165	14.2	3.2	0.5 - 1.1 - 2.9	53	53	42	36	30	21	
12" Oval Inlet	4'	410	0.079	0.017	2 - 5 - 11	36	193	19.5	4.3	0.7 - 1.5 - 3.4	56	57	46	40	35	26
		530	0.131	0.029	4 - 7 - 15	42	250	32.7	7.2	1.1 - 2.2 - 4.4	61	62	52	46	42	34
		180	0.010	0.005	1 - 1 - 5	-	85	2.4	1.3	0.2 - 0.4 - 1.7	35	33	20	13	-	-
		340	0.034	0.019	2 - 5 - 10	24	160	8.5	4.6	0.7 - 1.5 - 3.2	48	46	35	29	21	-
	420	0.052	0.028	3 - 6 - 13	29	198	13.0	7.1	1.0 - 2.0 - 3.9	52	51	40	34	27	16	
	500	0.074	0.040	5 - 8 - 15	33	236	18.4	10.0	1.4 - 2.3 - 4.7	56	54	44	38	32	21	
	660	0.129	0.070	7 - 10 - 20	40	311	32.1	17.5	2.1 - 3.1 - 6.2	61	60	50	45	40	30	
	5'	190	0.009	0.004	0 - 1 - 4	-	90	2.1	0.9	0.1 - 0.3 - 1.3	35	34	21	13	-	-
360		0.031	0.013	2 - 4 - 10	25	170	7.7	3.3	0.5 - 1.2 - 3.0	48	47	36	29	21	-	
445		0.047	0.020	3 - 6 - 12	30	210	11.7	5.1	0.8 - 1.8 - 3.7	52	51	40	34	27	17	
530		0.067	0.029	4 - 7 - 15	34	250	16.6	7.2	1.1 - 2.2 - 4.4	56	55	44	38	32	22	
		700	0.116	0.051	6 - 10 - 19	41	330	29.0	12.6	2.0 - 2.9 - 5.9	61	61	51	45	40	31

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.

PTBS

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**PTBS Performance Data: Vertical Throw**

IP/METRIC DATA: PTBS, 1" SLOT WIDTH, 1-SLOT (NO DAMPER)

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressure		Vertical Throw		Air Flow	Pressure		Vertical Throw	2	3	4	5	6	7
			Pt	Ps				Pt	Ps							
CFM	"WG	"WG	ft	L/s	Pa	Pa	m	2	3	4	5	6	7			
1" Slot Width 8" Oval Inlet	2'	120	0.040	0.030	2 - 4 - 7	10	57	10.0	7.5	0.7 - 1.1 - 2.3	37	34	23	17	-	-
		220	0.135	0.101	5 - 7 - 14	25	104	33.5	25.2	1.4 - 2.1 - 4.1	50	47	37	32	26	15
		270	0.203	0.152	6 - 8 - 17	30	127	50.4	38.0	1.7 - 2.5 - 5.1	54	51	42	37	32	21
		320	0.285	0.214	7 - 10 - 19	34	151	70.9	53.3	2.0 - 3.0 - 5.7	57	55	46	41	37	27
	420	0.490	0.369	9 - 13 - 22	41	198	122.1	91.8	2.6 - 3.9 - 6.5	63	60	52	48	44	35	
	4'	140	0.024	0.010	1 - 2 - 6	12	66	5.9	2.6	0.3 - 0.7 - 1.9	37	36	24	18	-	-
		240	0.070	0.030	3 - 5 - 10	25	113	17.4	7.5	0.9 - 1.6 - 3.2	48	47	37	31	25	15
		290	0.102	0.044	4 - 6 - 13	29	137	25.4	10.9	1.3 - 1.9 - 3.8	52	51	41	35	30	21
		340	0.140	0.060	5 - 7 - 15	33	160	34.9	15.0	1.5 - 2.3 - 4.5	55	54	45	39	35	26
	440	0.234	0.101	6 - 10 - 19	40	208	58.4	25.2	1.9 - 2.9 - 5.8	60	60	51	46	42	34	
	5'	150	0.023	0.008	1 - 2 - 6	13	71	5.7	1.9	0.3 - 0.6 - 1.8	37	37	25	18	11	-
		260	0.069	0.023	3 - 5 - 10	26	123	17.2	5.6	0.8 - 1.5 - 3.1	49	48	38	32	26	17
315		0.101	0.033	4 - 6 - 12	31	149	25.3	8.3	1.1 - 1.9 - 3.7	53	52	42	36	32	23	
370		0.140	0.046	5 - 7 - 14	35	175	34.9	11.4	1.5 - 2.2 - 4.4	56	55	46	40	36	28	
480	0.236	0.077	6 - 9 - 19	41	227	58.7	19.2	1.9 - 2.8 - 5.7	61	61	52	47	44	36		
1" Slot Width 10" Oval Inlet	2'	130	0.041	0.035	3 - 4 - 8	-	61	10.3	8.8	0.8 - 1.2 - 2.4	35	32	20	14	-	-
		260	0.166	0.141	5 - 8 - 16	24	123	41.3	35.2	1.6 - 2.4 - 4.9	50	46	36	31	24	13
		325	0.259	0.221	7 - 10 - 19	29	153	64.6	55.0	2.0 - 3.0 - 5.8	54	51	41	36	31	20
		390	0.373	0.318	8 - 12 - 21	33	184	93.0	79.2	2.4 - 3.7 - 6.3	58	54	46	41	36	25
	520	0.664	0.565	11 - 16 - 24	40	245	165.3	140.8	3.3 - 4.9 - 7.3	64	60	52	48	44	35	
	4'	150	0.020	0.012	1 - 3 - 7	-	71	5.0	2.9	0.4 - 0.8 - 2.0	35	33	21	15	-	-
		290	0.075	0.044	4 - 6 - 13	24	137	18.6	10.9	1.3 - 1.9 - 3.8	48	47	36	31	24	14
		360	0.115	0.068	5 - 8 - 16	30	170	28.6	16.9	1.6 - 2.4 - 4.8	53	51	41	36	30	20
		430	0.164	0.097	6 - 9 - 19	34	203	40.8	24.1	1.9 - 2.9 - 5.7	56	55	45	40	36	26
	570	0.288	0.170	8 - 12 - 25	41	269	71.7	42.3	2.5 - 3.8 - 7.6	62	61	52	47	44	35	
	5'	160	0.018	0.009	1 - 2 - 6	-	76	4.5	2.1	0.3 - 0.7 - 1.9	35	34	22	15	-	-
		300	0.063	0.030	3 - 6 - 12	24	142	15.6	7.5	1.0 - 1.8 - 3.6	48	47	36	30	24	14
370		0.096	0.046	5 - 7 - 14	30	175	23.8	11.4	1.5 - 2.2 - 4.4	52	51	41	35	30	20	
440		0.135	0.065	6 - 9 - 17	34	208	33.7	16.1	1.7 - 2.6 - 5.2	56	55	45	40	35	26	
580	0.235	0.113	8 - 11 - 23	41	274	58.5	28.0	2.3 - 3.4 - 6.9	61	60	51	46	43	34		
1" Slot Width 12" Oval Inlet	4'	200	0.026	0.021	2 - 4 - 9	-	94	6.5	5.2	0.6 - 1.3 - 2.7	35	32	20	14	-	-
		400	0.105	0.084	6 - 9 - 17	24	189	26.2	20.8	1.8 - 2.7 - 5.3	49	46	36	31	24	12
		500	0.164	0.131	7 - 11 - 22	29	236	40.9	32.5	2.2 - 3.3 - 6.6	54	51	41	36	30	19
		600	0.237	0.188	9 - 13 - 26	34	283	58.9	46.9	2.7 - 4.0 - 7.8	58	55	45	41	35	25
	800	0.421	0.335	12 - 17 - 30	41	378	104.7	83.3	3.5 - 5.3 - 9.0	63	61	52	48	44	34	
	5'	210	0.021	0.015	2 - 4 - 8	-	99	5.2	3.7	0.5 - 1.1 - 2.5	35	32	21	14	-	-
		420	0.083	0.059	5 - 8 - 16	24	198	20.6	14.7	1.7 - 2.5 - 5.0	49	47	37	31	24	13
		525	0.129	0.092	7 - 10 - 20	30	248	32.2	23.0	2.1 - 3.1 - 6.2	54	51	42	36	30	20
630		0.186	0.133	8 - 12 - 25	34	297	46.4	33.1	2.5 - 3.7 - 7.5	58	55	46	41	36	25	
840	0.331	0.236	11 - 16 - 30	41	396	82.4	58.8	3.3 - 5.0 - 9.3	63	61	52	48	44	35		

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.

**PTBS Performance Data: Vertical Throw**

IP/METRIC DATA: PTBS, 1" SLOT WIDTH, 2-SLOT (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressure		Vertical Throw		Air Flow	Pressure		Vertical Throw						
			Pt	Ps				Pt	Ps							
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1" Slot Width	2'	160	0.023	0.013	1 - 3 - 7	10	76	5.7	3.3	0.4 - 0.9 - 2.1	36	34	23	16	-	-
		290	0.075	0.044	4 - 6 - 13	24	137	18.6	10.9	1.3 - 1.9 - 3.8	48	47	36	31	24	14
		355	0.112	0.066	5 - 8 - 15	29	168	27.8	16.4	1.6 - 2.4 - 4.7	52	51	41	35	30	20
		420	0.156	0.092	6 - 9 - 18	33	198	38.9	23.0	1.9 - 2.8 - 5.6	56	54	45	40	35	25
	4'	180	0.016	0.004	1 - 1 - 5	11	85	4.0	1.1	0.2 - 0.4 - 1.7	35	35	23	16	-	-
		320	0.051	0.013	2 - 4 - 10	25	151	12.6	3.3	0.6 - 1.3 - 3.0	47	47	36	30	24	14
		390	0.075	0.020	3 - 6 - 12	29	184	18.7	5.0	0.9 - 1.8 - 3.7	51	51	41	35	29	20
		460	0.105	0.028	4 - 7 - 14	34	217	26.1	6.9	1.2 - 2.2 - 4.3	54	54	44	39	34	25
	5'	600	0.178	0.047	6 - 9 - 19	40	283	44.3	11.7	1.9 - 2.8 - 5.6	60	60	51	45	42	34
		190	0.016	0.003	0 - 1 - 4	11	90	4.0	0.8	0.1 - 0.3 - 1.3	35	36	23	16	-	-
		340	0.052	0.010	2 - 3 - 9	26	160	12.9	2.4	0.5 - 1.1 - 2.9	47	48	37	30	24	15
		415	0.077	0.014	2 - 5 - 11	30	196	19.2	3.6	0.7 - 1.6 - 3.5	51	52	41	35	30	21
12" Oval Inlet	4'	490	0.107	0.020	3 - 7 - 14	34	231	26.7	5.0	1.0 - 2.1 - 4.1	55	55	45	39	35	27
		640	0.183	0.034	5 - 9 - 18	41	302	45.6	8.5	1.7 - 2.7 - 5.4	60	61	51	46	43	35
		190	0.010	0.005	1 - 2 - 6	-	90	2.4	1.2	0.2 - 0.5 - 1.8	31	29	17	-	-	-
		410	0.045	0.022	3 - 6 - 13	23	193	11.1	5.5	1.0 - 1.9 - 3.8	46	45	34	28	21	-
	5'	520	0.072	0.035	5 - 8 - 16	28	245	17.9	8.8	1.5 - 2.4 - 4.9	51	50	40	34	28	18
		630	0.105	0.052	6 - 10 - 19	33	297	26.2	12.9	2.0 - 3.0 - 5.9	55	54	44	39	33	24
		850	0.192	0.094	9 - 13 - 26	40	401	47.7	23.5	2.7 - 4.0 - 8.0	61	60	51	46	42	33
		200	0.009	0.003	1 - 1 - 5	-	94	2.2	0.8	0.2 - 0.4 - 1.5	31	30	17	-	-	-
	5'	430	0.040	0.015	2 - 6 - 12	23	203	10.0	3.9	0.8 - 1.7 - 3.6	46	46	35	28	21	11
		545	0.065	0.025	4 - 8 - 15	29	257	16.1	6.2	1.2 - 2.3 - 4.6	51	50	40	34	28	18
		660	0.095	0.036	6 - 9 - 18	34	311	23.7	9.1	1.8 - 2.8 - 5.5	55	54	44	39	34	24
		890	0.173	0.066	8 - 12 - 25	41	420	43.0	16.5	2.5 - 3.7 - 7.5	61	61	51	46	42	34

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.



**PTBS Performance Data: Vertical Throw**

IP/METRIC DATA: PTBS, 1 1/2" SLOT WIDTH, 1-SLOT (NO DAMPER)

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressure		Vertical Throw		Air Flow	Pressure		Vertical Throw	2	3	4	5	6	7
			Pt	Ps				L/s	Pa							
CFM	"WG	"WG	ft	L/s	Pa	Pa	m	2	3	4	5	6	7			
1 1/2" Slot Width 8" Oval Inlet	2'	130	0.037	0.027	3 - 4 - 8	-	61	9.1	6.6	0.8 - 1.2 - 2.4	34	31	20	14	-	-
		260	0.153	0.106	5 - 8 - 16	23	123	38.1	26.5	1.6 - 2.4 - 4.9	48	45	36	31	26	15
		325	0.239	0.166	7 - 10 - 19	28	153	59.5	41.4	2.0 - 3.0 - 5.8	53	50	41	36	32	22
		390	0.344	0.239	8 - 12 - 21	33	184	85.7	59.6	2.4 - 3.7 - 6.3	56	54	45	41	37	28
		520	0.612	0.426	11 - 16 - 24	40	245	152.3	106.0	3.3 - 4.9 - 7.3	62	60	52	48	45	37
	4'	150	0.024	0.009	1 - 3 - 7	-	71	6.1	2.2	0.4 - 0.8 - 2.0	33	32	21	14	-	-
		290	0.091	0.033	4 - 6 - 13	24	137	22.6	8.2	1.3 - 1.9 - 3.8	47	46	36	30	25	16
		360	0.140	0.051	5 - 8 - 16	29	170	34.9	12.7	1.6 - 2.4 - 4.8	51	50	41	36	32	23
		430	0.200	0.073	6 - 9 - 19	33	203	49.8	18.1	1.9 - 2.9 - 5.7	55	54	45	40	37	28
		570	0.351	0.128	8 - 12 - 25	40	269	87.5	31.8	2.5 - 3.8 - 7.6	61	60	52	47	45	37
	5'	160	0.024	0.006	1 - 2 - 6	-	76	6.0	1.6	0.3 - 0.7 - 1.9	34	33	22	15	-	-
		300	0.085	0.023	3 - 6 - 12	24	142	21.1	5.6	1.0 - 1.8 - 3.6	47	46	36	30	25	16
		370	0.129	0.034	5 - 7 - 14	29	175	32.0	8.6	1.5 - 2.2 - 4.4	51	50	41	35	31	23
		440	0.182	0.049	6 - 9 - 17	33	208	45.3	12.1	1.7 - 2.6 - 5.2	54	54	45	40	36	28
		580	0.316	0.085	8 - 11 - 23	40	274	78.7	21.1	2.3 - 3.4 - 6.9	60	60	51	46	44	37
1 1/2" Slot Width 10" Oval Inlet	2'	140	0.037	0.031	3 - 4 - 9	-	66	9.2	7.7	0.9 - 1.3 - 2.6	32	28	17	11	-	-
		320	0.198	0.161	7 - 10 - 19	23	151	49.4	40.1	2.0 - 3.0 - 5.7	49	45	36	31	25	14
		410	0.326	0.265	8 - 13 - 21	29	193	81.1	65.9	2.6 - 3.8 - 6.5	54	50	42	37	32	22
		500	0.484	0.393	10 - 15 - 23	34	236	120.6	98.0	3.1 - 4.7 - 7.1	58	55	46	42	38	28
		680	0.896	0.728	14 - 19 - 27	41	321	223.1	181.2	4.3 - 5.9 - 8.3	64	61	53	49	47	38
	4'	160	0.019	0.010	1 - 3 - 7	-	76	4.8	2.5	0.4 - 0.9 - 2.1	31	29	18	11	-	-
		340	0.088	0.045	5 - 7 - 15	22	160	21.8	11.3	1.5 - 2.3 - 4.5	47	45	35	29	24	14
		430	0.140	0.073	6 - 9 - 19	28	203	34.9	18.1	1.9 - 2.9 - 5.7	51	50	40	35	31	21
		520	0.205	0.106	8 - 11 - 23	33	245	51.0	26.5	2.3 - 3.4 - 6.9	55	54	45	40	36	27
		700	0.371	0.193	10 - 15 - 28	40	330	92.4	48.0	3.1 - 4.6 - 8.4	61	60	52	47	44	36
	5'	170	0.018	0.007	1 - 2 - 7	-	80	4.4	1.8	0.3 - 0.7 - 2.0	31	30	18	12	-	-
		360	0.080	0.033	5 - 7 - 14	23	170	19.9	8.1	1.4 - 2.1 - 4.3	47	45	35	30	24	14
		455	0.127	0.052	6 - 9 - 18	29	215	31.7	13.0	1.8 - 2.7 - 5.4	51	50	41	36	31	22
		550	0.186	0.076	7 - 11 - 21	33	260	46.4	19.0	2.2 - 3.3 - 6.5	55	54	45	40	37	28
		740	0.337	0.138	10 - 14 - 29	41	349	83.9	34.3	2.9 - 4.4 - 8.7	61	60	52	47	45	37
1 1/2" Slot Width 12" Oval Inlet	4'	240	0.030	0.023	3 - 5 - 10	-	113	7.6	5.6	0.9 - 1.6 - 3.2	34	31	19	13	-	-
		500	0.132	0.098	7 - 11 - 22	23	236	32.9	24.5	2.2 - 3.3 - 6.6	49	46	36	31	25	14
		630	0.210	0.156	9 - 14 - 26	29	297	52.2	38.9	2.8 - 4.2 - 8.0	54	51	42	37	32	21
		760	0.305	0.227	11 - 17 - 29	34	359	75.9	56.6	3.4 - 5.0 - 8.8	57	55	46	41	37	27
		1020	0.549	0.409	15 - 22 - 34	41	481	136.8	101.9	4.5 - 6.8 - 10.2	63	61	53	48	46	36
	5'	250	0.024	0.016	2 - 5 - 10	-	118	6.0	3.9	0.7 - 1.5 - 3.0	34	31	20	13	-	-
		520	0.104	0.068	7 - 10 - 20	24	245	26.0	17.0	2.1 - 3.1 - 6.2	49	46	36	31	25	14
		655	0.166	0.108	9 - 13 - 26	29	309	41.3	26.9	2.6 - 3.9 - 7.8	53	51	42	37	32	22
		790	0.241	0.157	10 - 15 - 30	34	373	60.0	39.1	3.1 - 4.7 - 9.0	57	55	46	41	37	28
		1060	0.434	0.283	14 - 21 - 34	41	500	108.1	70.4	4.2 - 6.3 - 10.4	63	61	53	48	46	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.

**PTBS Performance Data: Vertical Throw**

IP/METRIC DATA: PTBS, 1 1/2" SLOT WIDTH, 2-SLOT (NO DAMPER)

PLENUM SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressure		Vertical Throw		Air Flow	Pressure		Vertical Throw						
			Pt	Ps				Pt	Ps							
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1 1/2" Slot Width 10" Oval Inlet	2'	170	0.021	0.011	2 - 3 - 7	-	80	5.2	2.8	0.5 - 1.0 - 2.3	32	31	19	13	-	-
		350	0.093	0.048	5 - 8 - 15	23	165	23.1	12.0	1.5 - 2.3 - 4.6	47	45	36	30	25	14
		440	0.147	0.076	6 - 10 - 19	29	208	36.5	19.0	1.9 - 2.9 - 5.8	52	50	41	36	31	22
		530	0.213	0.111	8 - 12 - 23	33	250	53.0	27.5	2.3 - 3.5 - 7.0	56	54	45	40	37	27
		710	0.382	0.198	10 - 15 - 28	40	335	95.0	49.4	3.1 - 4.7 - 8.5	62	60	52	47	45	37
	4'	190	0.017	0.004	1 - 2 - 6	-	90	4.2	0.9	0.2 - 0.5 - 1.8	31	31	19	12	-	-
		380	0.067	0.014	3 - 6 - 12	23	179	16.6	3.5	0.8 - 1.8 - 3.6	46	45	35	29	24	14
		475	0.104	0.022	4 - 7 - 15	28	224	26.0	5.5	1.3 - 2.2 - 4.5	50	50	40	34	30	21
		570	0.150	0.032	6 - 9 - 18	33	269	37.4	8.0	1.8 - 2.7 - 5.3	54	54	44	39	35	27
		760	0.267	0.057	8 - 12 - 23	40	359	66.5	14.1	2.4 - 3.6 - 7.1	60	60	51	46	44	36
	5'	200	0.017	0.003	1 - 1 - 5	-	94	4.3	0.6	0.2 - 0.4 - 1.5	31	32	20	12	-	-
		400	0.068	0.010	2 - 5 - 11	24	189	17.0	2.5	0.6 - 1.5 - 3.4	45	46	35	29	24	15
		500	0.107	0.016	3 - 7 - 14	29	236	26.6	3.9	1.0 - 2.1 - 4.2	50	51	41	35	30	22
		600	0.154	0.023	5 - 8 - 17	33	283	38.2	5.6	1.5 - 2.5 - 5.0	54	54	45	39	36	28
		800	0.273	0.040	7 - 11 - 22	40	378	68.0	10.0	2.2 - 3.4 - 6.7	60	60	51	46	44	37
1 1/2" Slot Width 12" Oval Inlet	4'	200	0.009	0.004	1 - 2 - 6	-	94	2.3	1.0	0.2 - 0.5 - 1.9	27	25	13	-	-	-
		490	0.056	0.024	4 - 8 - 15	21	231	13.9	5.9	1.4 - 2.3 - 4.6	45	44	33	27	21	11
		635	0.094	0.040	7 - 10 - 20	27	300	23.4	9.9	2.0 - 3.0 - 6.0	50	49	39	34	29	19
		780	0.142	0.060	8 - 12 - 24	32	368	35.3	14.9	2.4 - 3.7 - 7.3	55	53	44	39	35	25
		1070	0.267	0.113	11 - 16 - 33	40	505	66.4	28.0	3.3 - 5.0 - 10.0	61	60	51	46	44	35
	5'	210	0.009	0.003	1 - 1 - 5	-	99	2.2	0.7	0.2 - 0.4 - 1.6	27	26	13	-	-	-
		510	0.051	0.016	3 - 7 - 14	21	241	12.8	4.1	1.1 - 2.1 - 4.3	45	44	34	27	21	11
		660	0.086	0.027	6 - 9 - 18	28	311	21.4	6.8	1.8 - 2.8 - 5.5	50	49	39	34	29	19
		810	0.130	0.041	7 - 11 - 22	33	382	32.2	10.3	2.3 - 3.4 - 6.8	54	54	44	39	35	26
		1110	0.243	0.078	10 - 15 - 31	40	524	60.6	19.3	3.1 - 4.7 - 9.3	61	60	51	46	44	36

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.