

PTBSC, PTBSRC Performance Data: Horizontal Throw

IP/METRIC DATA: PTBSC, PTBSRC (NO DAMPER)

Linear Length	IP Data					NC	Metric Data				Octave Band, dB					
	Air Flow	Pressure		Throw	Air Flow		Pressure		Throw	2	3	4	5	6	7	
		CFM	"WG				"WG	L/s								Pa
6" Oval Inlet	2'	40	0.018	0.022	2 - 4 - 13	-	19	4.4	5.6	0.5 - 1.2 - 3.8	36	21	12	-	-	-
		90	0.089	0.114	9 - 14 - 24	21	42	22.2	28.3	2.8 - 4.3 - 7.3	47	40	33	25	25	17
		115	0.146	0.185	12 - 18 - 27	26	54	36.3	46.1	3.7 - 5.5 - 8.3	51	45	39	32	33	25
		140	0.216	0.275	15 - 21 - 30	31	66	53.7	68.4	4.5 - 6.5 - 9.2	54	50	44	38	39	31
	4'	80	0.026	0.045	3 - 6 - 18	-	38	6.4	11.2	0.8 - 1.7 - 5.4	40	27	17	13	12	-
		160	0.103	0.179	10 - 18 - 32	23	76	25.5	44.7	3.1 - 5.4 - 9.8	50	43	35	33	34	28
		200	0.160	0.280	15 - 22 - 36	29	94	39.9	69.8	4.5 - 6.8 - 10.9	53	49	41	39	41	35
		240	0.231	0.404	18 - 27 - 39	33	113	57.5	100.5	5.4 - 8.1 - 12.0	55	53	45	45	47	41
	5'	320	0.410	0.718	24 - 32 - 46	40	151	102.1	178.7	7.2 - 9.8 - 13.8	59	59	52	53	56	50
		100	0.026	0.056	3 - 6 - 20	-	47	6.5	14.0	0.9 - 1.9 - 6.1	41	29	19	17	16	-
		190	0.094	0.202	10 - 19 - 35	24	90	23.4	50.4	3.1 - 5.8 - 10.7	50	44	35	35	37	31
		235	0.144	0.310	16 - 23 - 39	29	111	35.8	77.1	4.8 - 7.1 - 11.9	53	49	41	41	43	38
8" Oval Inlet	2'	280	0.204	0.439	19 - 28 - 43	33	132	50.9	109.4	5.7 - 8.5 - 12.9	56	53	45	46	49	43
		370	0.357	0.767	25 - 35 - 49	40	175	88.8	191.1	7.5 - 10.5 - 14.9	60	60	52	54	57	52
		50	0.017	0.020	3 - 6 - 16	-	24	4.3	4.9	0.9 - 1.9 - 4.8	36	21	14	-	-	-
		110	0.084	0.096	12 - 17 - 27	21	52	20.9	23.8	3.5 - 5.3 - 8.1	47	39	34	21	21	12
	4'	140	0.136	0.155	15 - 21 - 30	27	66	33.9	38.6	4.5 - 6.5 - 9.2	50	45	40	28	29	19
		170	0.201	0.228	18 - 23 - 33	31	80	50.0	56.9	5.4 - 7.1 - 10.1	53	49	45	34	35	26
		230	0.367	0.418	22 - 27 - 39	39	109	91.5	104.1	6.8 - 8.3 - 11.7	57	56	53	42	44	35
		100	0.030	0.040	4 - 9 - 22	-	47	7.5	9.8	1.2 - 2.7 - 6.8	40	27	19	-	-	-
	5'	190	0.108	0.143	14 - 21 - 35	23	90	26.9	35.5	4.3 - 6.4 - 10.7	49	42	35	29	29	21
		235	0.165	0.218	17 - 26 - 39	28	111	41.2	54.3	5.3 - 8.0 - 11.9	52	47	41	35	36	28
		280	0.235	0.310	21 - 30 - 43	32	132	58.5	77.1	6.3 - 9.2 - 12.9	54	51	45	40	41	34
		370	0.410	0.541	28 - 35 - 49	39	175	102.1	134.7	8.4 - 10.5 - 14.9	58	57	52	48	50	43
10" Oval Inlet	4'	120	0.032	0.046	4 - 9 - 24	-	57	7.9	11.3	1.2 - 2.8 - 7.3	41	28	19	13	12	-
		220	0.107	0.153	14 - 22 - 38	23	104	26.6	38.1	4.2 - 6.7 - 11.5	49	42	35	30	31	24
		270	0.161	0.230	18 - 27 - 42	28	127	40.1	57.4	5.5 - 8.2 - 12.7	52	47	40	36	37	30
		320	0.226	0.324	21 - 32 - 46	32	151	56.3	80.6	6.5 - 9.7 - 13.8	54	51	44	41	43	36
	5'	420	0.389	0.557	28 - 37 - 52	39	198	96.9	138.8	8.5 - 11.2 - 15.9	58	57	51	49	51	45
		120	0.035	0.042	6 - 13 - 27	-	57	8.6	10.5	1.7 - 3.9 - 8.1	41	29	21	-	-	-
		220	0.117	0.142	16 - 25 - 38	24	104	29.0	35.4	5.0 - 7.5 - 11.5	49	43	37	28	28	20
		270	0.176	0.214	20 - 30 - 42	29	127	43.7	53.3	6.1 - 9.0 - 12.7	52	47	42	34	35	26
	5'	320	0.247	0.300	24 - 32 - 46	33	151	61.4	74.8	7.2 - 9.8 - 13.8	54	51	46	39	40	32
		420	0.425	0.518	30 - 37 - 52	40	198	105.8	128.9	9.2 - 11.2 - 15.9	58	58	53	46	49	41
		140	0.036	0.046	6 - 12 - 28	-	66	8.9	11.5	1.7 - 3.8 - 8.5	41	29	21	12	11	-
		250	0.114	0.147	17 - 25 - 40	23	118	28.3	36.5	5.1 - 7.6 - 12.2	49	43	36	29	29	21
5'	305	0.169	0.218	20 - 30 - 44	28	144	42.2	54.4	6.2 - 9.3 - 13.5	52	47	41	34	36	28	
	360	0.236	0.304	24 - 34 - 48	32	170	58.8	75.8	7.3 - 10.4 - 14.7	54	51	45	39	41	33	
	470	0.402	0.519	31 - 39 - 55	39	222	100.2	129.1	9.5 - 11.9 - 16.8	58	57	52	47	49	42	

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, re10⁻¹² 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.

PLENUM SLOT DIFFUSERS

PTBSC - PTBSRC