

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 1-SLOT, 1/2" SLOT WIDTHH

LINEAR SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressures		Perpendicular Throw		Air Flow	Pressures		Perpendicular Throw							
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7	
1/2" Slot Width	2'	25	0.020	0.021	4 - 8 - 15	12	12	5.0	5.3	1.3 - 2.3 - 4.7	35	35	26	21	18	11	
		45	0.065	0.069	9 - 14 - 23	26	21	16.2	17.1	2.8 - 4.2 - 6.9	41	44	38	36	36	30	
		55	0.097	0.103	11 - 17 - 25	30	26	24.2	25.6	3.4 - 5.1 - 7.7	43	47	42	42	42	37	
		75	0.181	0.191	15 - 21 - 29	38	35	45.1	47.6	4.7 - 6.3 - 8.9	46	52	49	50	51	46	
		85	0.233	0.245	17 - 22 - 31	41	40	57.9	61.1	5.3 - 6.7 - 9.5	47	54	51	53	55	50	
	6" Oval Inlet	4'	50	0.033	0.038	5 - 7 - 11	18	24	8.3	9.4	1.5 - 2.2 - 3.3	44	50	38	34	32	25
			80	0.086	0.097	8 - 10 - 14	29	38	21.3	24.2	2.4 - 3.0 - 4.2	49	58	48	47	47	40
			95	0.121	0.137	9 - 11 - 15	33	45	30.1	34.1	2.7 - 3.3 - 4.6	50	60	51	52	52	46
			125	0.209	0.237	10 - 12 - 17	39	59	52.0	59.0	3.1 - 3.7 - 5.3	53	65	57	59	60	54
			140	0.262	0.297	11 - 13 - 18	42	66	65.3	74.0	3.2 - 4.0 - 5.6	54	67	59	62	64	58
	5'	5'	70	0.054	0.063	6 - 9 - 13	22	33	13.6	15.7	1.8 - 2.8 - 4.0	48	57	44	42	41	33
			100	0.111	0.129	9 - 11 - 16	31	47	27.7	32.1	2.6 - 3.3 - 4.7	52	63	52	51	52	44
115			0.147	0.171	10 - 12 - 17	34	54	36.6	42.5	2.9 - 3.6 - 5.1	53	65	55	55	56	49	
145			0.234	0.271	11 - 13 - 19	39	68	58.2	67.5	3.3 - 4.0 - 5.7	55	69	59	61	63	56	
160			0.285	0.330	11 - 14 - 20	42	76	70.8	82.2	3.5 - 4.2 - 6.0	56	70	61	64	66	59	
1/2" Slot Width	2'	30	0.031	0.032	6 - 9 - 18	12	14	7.7	7.9	1.8 - 2.8 - 5.6	31	27	21	16	13	-	
		55	0.104	0.106	11 - 17 - 25	26	26	25.9	26.4	3.4 - 5.1 - 7.7	37	37	34	32	31	27	
		68	0.157	0.160	14 - 20 - 28	31	32	39.0	39.8	4.2 - 6.0 - 8.5	39	40	38	37	38	34	
		93	0.294	0.300	19 - 23 - 33	39	44	73.3	74.7	5.7 - 7.0 - 9.9	42	45	45	46	47	44	
		105	0.379	0.387	20 - 25 - 35	42	50	94.4	96.3	6.1 - 7.5 - 10.6	43	47	47	49	51	48	
	8" Oval Inlet	4'	50	0.022	0.024	5 - 7 - 11	14	24	5.5	6.0	1.5 - 2.2 - 3.3	38	39	30	25	22	16
			90	0.072	0.078	9 - 10 - 15	27	42	17.9	19.3	2.6 - 3.2 - 4.5	44	49	42	41	40	34
			110	0.107	0.116	9 - 12 - 16	32	52	26.8	28.8	2.9 - 3.5 - 5.0	46	52	46	46	46	41
			150	0.200	0.215	11 - 13 - 19	40	71	49.7	53.6	3.3 - 4.1 - 5.8	49	57	52	54	56	51
			170	0.257	0.277	12 - 14 - 20	42	80	63.9	68.9	3.6 - 4.4 - 6.2	50	59	55	57	60	55
	5'	5'	70	0.033	0.036	6 - 9 - 13	18	33	8.2	9.0	1.8 - 2.8 - 4.0	42	46	36	32	30	24
			110	0.081	0.089	9 - 12 - 16	29	52	20.2	22.2	2.9 - 3.5 - 5.0	46	54	45	44	44	38
130			0.113	0.125	10 - 13 - 18	33	61	28.2	31.1	3.1 - 3.8 - 5.4	48	56	49	49	49	43	
170			0.193	0.213	12 - 14 - 20	39	80	48.1	53.1	3.6 - 4.4 - 6.2	51	61	54	56	58	52	
190			0.242	0.266	12 - 15 - 21	42	90	60.1	66.3	3.8 - 4.6 - 6.5	52	62	57	59	61	56	
1/2" Slot Width	2'	30	0.044	0.044	6 - 9 - 18	-	14	11.0	11.1	1.8 - 2.8 - 5.6	27	20	16	-	-	-	
		60	0.176	0.178	12 - 18 - 26	26	28	43.9	44.3	3.7 - 5.6 - 8.0	33	31	30	28	27	24	
		75	0.276	0.278	15 - 21 - 29	31	35	68.6	69.2	4.7 - 6.3 - 8.9	36	35	35	34	34	31	
		105	0.540	0.544	20 - 25 - 35	39	50	134.6	135.5	6.1 - 7.5 - 10.6	39	40	42	43	44	42	
		120	0.706	0.711	21 - 26 - 37	42	57	175.7	177.0	6.5 - 8.0 - 11.3	40	42	44	46	48	46	
	4'	4'	50	0.020	0.021	5 - 7 - 11	-	24	4.9	5.1	1.5 - 2.2 - 3.3	34	32	24	18	15	-
			95	0.071	0.074	9 - 11 - 15	26	45	17.7	18.5	2.7 - 3.3 - 4.6	40	43	37	36	35	30
			118	0.109	0.114	10 - 12 - 17	31	55	27.1	28.3	3.0 - 3.6 - 5.1	42	46	42	41	41	37
			163	0.208	0.217	11 - 14 - 20	39	77	51.7	54.1	3.5 - 4.3 - 6.0	45	51	48	50	51	47
			185	0.269	0.282	12 - 15 - 21	42	87	67.1	70.2	3.7 - 4.5 - 6.4	47	53	51	53	55	51
	5'	5'	70	0.026	0.028	6 - 9 - 13	15	33	6.6	7.0	1.8 - 2.8 - 4.0	38	39	30	26	24	17
			120	0.078	0.083	10 - 12 - 17	28	57	19.3	20.6	3.0 - 3.7 - 5.2	43	48	41	40	40	35
145			0.113	0.121	11 - 13 - 19	33	68	28.2	30.1	3.3 - 4.0 - 5.7	45	51	45	45	46	41	
195			0.205	0.219	13 - 15 - 22	40	92	51.0	54.5	3.8 - 4.7 - 6.6	48	56	51	53	55	50	
220			0.261	0.278	13 - 16 - 23	42	104	65.0	69.3	4.0 - 5.0 - 7.0	49	58	54	56	58	54	
1/2" Slot Width	4'	75	0.053	0.054	7 - 10 - 13	16	35	13.3	13.5	2.2 - 2.9 - 4.1	31	28	24	19	17	13	
		125	0.148	0.151	10 - 12 - 17	28	59	37.0	37.5	3.1 - 3.7 - 5.3	36	36	34	33	33	29	
		150	0.214	0.217	11 - 13 - 19	33	71	53.2	54.0	3.3 - 4.1 - 5.8	38	39	38	38	38	35	
		200	0.380	0.385	13 - 16 - 22	39	94	94.6	95.9	3.9 - 4.7 - 6.7	41	44	44	45	47	44	
		225	0.481	0.488	13 - 17 - 23	42	106	119.7	121.4	4.1 - 5.0 - 7.1	42	46	46	48	51	48	
	5'	5'	80	0.033	0.034	7 - 10 - 14	14	38	8.3	8.5	2.1 - 3.0 - 4.2	33	30	24	20	17	12
			140	0.102	0.105	11 - 13 - 18	28	66	25.5	26.1	3.2 - 4.0 - 5.6	38	39	36	34	34	30
			170	0.151	0.155	12 - 14 - 20	32	80	37.6	38.5	3.6 - 4.4 - 6.2	40	42	40	40	40	36
			230	0.276	0.283	14 - 17 - 24	39	109	68.7	70.5	4.1 - 5.1 - 7.2	43	47	46	48	49	46
			260	0.353	0.362	14 - 18 - 25	42	123	87.8	90.1	4.4 - 5.4 - 7.6	44	49	49	51	53	50

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

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1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 3-SLOT, 1/2" SLOT WIDTHH

LINEAR SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressures		Perpendicular Throw		Air Flow	Pressures		Perpendicular Throw	2	3	4	5	6	7	
			Ps	Pt				Ps	Pt								
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m							
1/2" Slot Width	2'	60	0.035	0.042	5 - 10 - 21	-	28	8.8	10.4	1.4 - 3.1 - 6.5	47	55	40	37	34	26	
		100	0.098	0.116	12 - 18 - 34	23	47	24.4	28.8	3.6 - 5.4 - 10.3	52	64	51	50	50	42	
		120	0.141	0.167	14 - 21 - 37	28	57	35.1	41.5	4.3 - 6.5 - 11.3	54	67	55	55	55	48	
		160	0.251	0.297	19 - 28 - 43	36	76	62.5	73.8	5.8 - 8.6 - 13.1	57	71	61	63	64	57	
		180	0.317	0.375	21 - 32 - 46	39	85	79.0	93.5	6.5 - 9.7 - 13.8	58	73	63	66	68	61	
	4'	120	0.102	0.127	6 - 10 - 17	17	57	25.3	31.7	2.0 - 3.1 - 5.2	56	71	53	51	49	40	
		170	0.204	0.256	9 - 14 - 20	27	80	50.8	63.7	2.9 - 4.3 - 6.2	59	76	60	60	60	51	
		195	0.269	0.337	11 - 15 - 22	31	92	66.9	83.8	3.3 - 4.7 - 6.6	61	79	63	64	64	55	
		245	0.424	0.531	14 - 17 - 24	37	116	105.6	132.3	4.2 - 5.2 - 7.4	63	82	67	70	71	62	
		270	0.515	0.645	15 - 18 - 26	40	127	128.3	160.7	4.5 - 5.5 - 7.8	64	84	69	72	74	65	
	5'	140	0.129	0.164	6 - 10 - 18	18	66	32.2	40.9	1.9 - 3.2 - 5.6	58	75	55	53	52	42	
		200	0.264	0.336	10 - 15 - 22	28	94	65.8	83.6	3.0 - 4.6 - 6.7	62	80	62	63	63	53	
230		0.349	0.444	11 - 17 - 24	32	109	87.0	110.5	3.5 - 5.1 - 7.2	63	83	65	67	67	58		
290		0.555	0.706	14 - 19 - 26	38	137	138.3	175.7	4.4 - 5.7 - 8.1	65	86	70	73	74	65		
320		0.676	0.859	16 - 20 - 28	41	151	168.3	213.9	4.9 - 6.0 - 8.5	66	88	72	75	77	68		
8" Oval Inlet	2'	70	0.027	0.030	6 - 12 - 25	-	33	6.7	7.6	1.9 - 3.8 - 7.6	42	47	35	31	29	21	
		120	0.079	0.089	14 - 21 - 37	22	57	19.8	22.3	4.3 - 6.5 - 11.3	48	56	46	46	45	39	
		145	0.116	0.130	17 - 26 - 41	27	68	28.9	32.5	5.2 - 7.8 - 12.4	50	59	50	51	51	45	
		195	0.210	0.236	23 - 34 - 47	35	92	52.2	58.8	7.0 - 10.2 - 14.4	53	64	57	58	60	54	
		220	0.267	0.300	26 - 36 - 50	39	104	66.5	74.8	7.9 - 10.8 - 15.3	54	66	59	62	64	58	
	4'	140	0.065	0.079	8 - 12 - 18	16	66	16.3	19.6	2.4 - 3.6 - 5.6	51	63	47	45	44	35	
		210	0.147	0.177	12 - 16 - 23	27	99	36.6	44.2	3.6 - 4.8 - 6.9	55	69	56	56	56	48	
		245	0.200	0.242	14 - 17 - 24	31	116	49.8	60.2	4.2 - 5.2 - 7.4	57	72	59	60	61	53	
		315	0.331	0.399	16 - 20 - 28	38	149	82.4	99.4	4.8 - 5.9 - 8.4	59	76	64	67	68	61	
		350	0.409	0.493	17 - 21 - 29	41	165	101.7	122.8	5.1 - 6.3 - 8.8	60	78	66	70	72	64	
	5'	150	0.068	0.083	7 - 11 - 19	14	71	16.8	20.7	2.2 - 3.4 - 5.8	53	65	48	46	44	35	
		230	0.159	0.195	11 - 17 - 24	26	109	39.5	48.6	3.5 - 5.1 - 7.2	57	72	57	57	57	48	
270		0.219	0.269	13 - 18 - 26	30	127	54.5	67.0	4.1 - 5.5 - 7.8	59	75	60	61	62	53		
350		0.368	0.452	17 - 21 - 29	37	165	91.5	112.6	5.1 - 6.3 - 8.8	61	79	66	68	69	62		
390		0.456	0.561	18 - 22 - 31	40	184	113.7	139.8	5.4 - 6.6 - 9.3	62	81	68	71	73	65		
10" Oval Inlet	2'	80	0.027	0.029	8 - 14 - 28	-	38	6.6	7.2	2.5 - 4.3 - 8.6	40	42	32	28	26	19	
		140	0.082	0.089	17 - 25 - 40	22	66	20.3	22.1	5.0 - 7.6 - 12.2	45	51	44	43	43	37	
		170	0.120	0.131	20 - 30 - 44	28	80	30.0	32.6	6.1 - 9.2 - 13.5	47	55	48	48	49	43	
		230	0.221	0.240	27 - 36 - 51	36	109	54.9	59.7	8.3 - 11.1 - 15.6	50	59	54	56	58	53	
		260	0.282	0.306	31 - 39 - 55	39	123	70.2	76.3	9.4 - 11.8 - 16.6	51	61	57	60	62	57	
	4'	160	0.055	0.064	9 - 13 - 20	15	76	13.6	15.9	2.7 - 4.1 - 6.0	49	58	45	42	41	33	
		240	0.123	0.144	13 - 17 - 24	27	113	30.6	35.8	4.1 - 5.2 - 7.3	53	64	53	53	53	46	
		280	0.167	0.196	15 - 18 - 26	31	132	41.6	48.7	4.6 - 5.6 - 7.9	54	67	56	57	58	51	
		360	0.276	0.323	17 - 21 - 30	38	170	68.8	80.5	5.2 - 6.3 - 9.0	57	71	61	64	66	59	
		400	0.341	0.399	18 - 22 - 31	41	189	84.9	99.4	5.5 - 6.7 - 9.5	58	73	64	67	69	62	
	5'	180	0.060	0.072	9 - 13 - 21	15	85	14.9	17.9	2.7 - 4.1 - 6.3	50	61	46	44	42	34	
		260	0.125	0.150	13 - 18 - 25	25	123	31.2	37.3	3.9 - 5.4 - 7.6	54	67	54	54	54	46	
300		0.167	0.199	15 - 19 - 27	29	142	41.5	49.6	4.6 - 5.8 - 8.2	55	69	57	58	58	50		
380		0.267	0.320	18 - 21 - 30	36	179	66.5	79.6	5.3 - 6.5 - 9.2	58	73	62	64	65	58		
420		0.326	0.390	18 - 23 - 32	39	198	81.3	97.2	5.6 - 6.9 - 9.7	59	75	64	66	68	61		
12" Oval Inlet	4'	170	0.035	0.039	9 - 14 - 20	-	80	8.8	9.8	2.9 - 4.3 - 6.2	43	48	37	34	32	25	
		280	0.096	0.107	15 - 18 - 26	25	132	23.9	26.5	4.6 - 5.6 - 7.9	48	56	48	47	47	41	
		335	0.137	0.153	16 - 20 - 28	30	158	34.2	38.0	5.0 - 6.1 - 8.7	49	59	51	52	53	47	
		445	0.242	0.269	19 - 23 - 33	38	210	60.4	67.0	5.8 - 7.1 - 10.0	52	63	57	60	61	56	
		500	0.306	0.340	20 - 25 - 35	41	236	76.2	84.6	6.1 - 7.5 - 10.6	53	65	59	63	65	60	
	5'	200	0.039	0.045	10 - 15 - 22	12	94	9.8	11.1	3.0 - 4.6 - 6.7	45	52	40	37	35	28	
		320	0.101	0.114	16 - 20 - 28	25	151	25.0	28.5	4.9 - 6.0 - 8.5	50	59	50	49	49	43	
		380	0.142	0.161	18 - 21 - 30	30	179	35.3	40.2	5.3 - 6.5 - 9.2	51	62	53	54	55	48	
		500	0.246	0.279	20 - 25 - 35	37	236	61.2	69.5	6.1 - 7.5 - 10.6	54	67	59	61	63	57	
		560	0.308	0.350	21 - 26 - 37	40	264	76.7	87.2	6.5 - 7.9 - 11.2	55	68	61	64	66	61	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

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1900BOOT Performance Data: Horizontal Throw
IP/METRIC DATA: 1900BOOT, 4-SLOT, 1/2" SLOT WIDTH

Linear Length	IP Data	Metric Data															
		Air Flow	Pressures		Perpendicular Throw	NC	Air Flow	Pressures		Perpendicular Throw	Octave Band, dB						
			Ps	Pt				Ps	Pt		2	3	4	5	6	7	
			"WG	"WG				ft	L/s		Pa	Pa	m				
1/2" Slot Width 6" Oval Inlet	2'	100	0.083	0.101	8 - 15 - 31	18	47	20.8	25.2	2.5 - 4.7 - 9.4	53	65	50	48	47	39	
		140	0.163	0.198	14 - 22 - 40	28	66	40.7	49.4	4.4 - 6.6 - 12.2	56	71	57	57	57	49	
		160	0.214	0.259	16 - 25 - 43	31	76	53.2	64.6	5.0 - 7.5 - 13.1	58	73	60	61	62	54	
		200	0.334	0.405	21 - 31 - 48	38	94	83.1	100.9	6.2 - 9.4 - 14.6	60	77	64	67	68	61	
	220	0.404	0.490	23 - 34 - 50	40	104	100.5	122.1	6.9 - 10.3 - 15.3	61	78	66	69	71	64		
	4'	150	0.146	0.186	7 - 11 - 19	19	71	36.4	46.4	2.0 - 3.3 - 5.8	59	76	56	55	53	43	
		210	0.286	0.365	10 - 15 - 23	28	99	71.3	90.9	3.1 - 4.6 - 6.9	62	82	63	64	64	54	
		240	0.374	0.477	12 - 17 - 24	32	113	93.1	118.7	3.5 - 5.2 - 7.3	64	84	66	67	68	58	
		300	0.584	0.745	15 - 19 - 27	38	142	145.4	185.5	4.4 - 5.8 - 8.2	66	87	71	73	74	65	
	330	0.707	0.901	16 - 20 - 28	41	156	176.0	224.4	4.9 - 6.1 - 8.6	67	89	73	76	77	68		
	5'	180	0.200	0.258	7 - 12 - 21	21	85	49.7	64.1	2.1 - 3.6 - 6.3	62	81	59	58	57	46	
		250	0.385	0.497	11 - 16 - 25	30	118	95.9	123.7	3.3 - 4.9 - 7.5	65	86	66	67	67	57	
285		0.501	0.646	12 - 18 - 26	33	135	124.6	160.8	3.7 - 5.6 - 8.0	66	88	69	70	71	61		
355		0.777	1.002	15 - 21 - 29	39	168	193.4	249.5	4.7 - 6.3 - 8.9	68	91	73	76	77	68		
390	0.937	1.209	17 - 22 - 31	42	184	233.4	301.1	5.1 - 6.6 - 9.3	69	93	75	79	80	71			
1/2" Slot Width 8" Oval Inlet	2'	120	0.062	0.072	12 - 18 - 37	18	57	15.4	17.9	3.6 - 5.6 - 11.2	49	58	46	44	43	35	
		170	0.125	0.144	17 - 26 - 44	27	80	31.0	36.0	5.3 - 8.0 - 13.5	52	63	53	53	53	46	
		195	0.164	0.190	20 - 30 - 47	31	92	40.8	47.3	6.1 - 9.1 - 14.4	53	66	56	57	57	51	
		245	0.259	0.300	25 - 38 - 53	37	116	64.4	74.7	7.6 - 11.4 - 16.2	56	69	60	63	64	58	
	270	0.314	0.364	28 - 39 - 56	40	127	78.2	90.7	8.4 - 12.0 - 17.0	57	71	62	65	67	61		
	4'	200	0.117	0.144	10 - 15 - 22	21	94	29.1	36.0	2.9 - 4.4 - 6.7	56	70	54	53	52	43	
		270	0.213	0.263	13 - 18 - 26	29	127	53.0	65.6	4.0 - 5.5 - 7.8	59	75	60	61	61	53	
		305	0.272	0.336	15 - 19 - 27	33	144	67.7	83.7	4.5 - 5.8 - 8.3	60	77	63	64	65	56	
		375	0.411	0.508	17 - 21 - 30	38	177	102.3	126.5	5.3 - 6.5 - 9.2	62	80	67	70	71	63	
	410	0.491	0.607	18 - 22 - 31	41	193	122.3	151.2	5.5 - 6.8 - 9.6	63	82	69	72	74	66		
	5'	220	0.130	0.164	10 - 14 - 23	20	104	32.5	40.8	2.9 - 4.3 - 7.0	57	73	55	54	53	43	
		300	0.243	0.305	13 - 19 - 27	29	142	60.4	75.8	3.9 - 5.8 - 8.2	61	78	62	62	62	53	
340		0.312	0.391	15 - 20 - 29	32	160	77.6	97.4	4.5 - 6.2 - 8.7	62	80	64	65	66	57		
420		0.475	0.597	18 - 23 - 32	38	198	118.4	148.7	5.5 - 6.9 - 9.7	64	84	69	71	72	64		
460	0.570	0.716	19 - 24 - 33	41	217	142.0	178.3	5.9 - 7.2 - 10.1	65	85	70	74	75	67			
1/2" Slot Width 10" Oval Inlet	2'	130	0.051	0.057	13 - 20 - 39	16	61	12.6	14.1	4.1 - 6.1 - 11.8	45	52	42	39	38	31	
		190	0.108	0.121	20 - 29 - 47	26	90	27.0	30.2	5.9 - 8.9 - 14.2	49	58	49	49	50	43	
		220	0.145	0.163	23 - 34 - 50	30	104	36.1	40.5	6.9 - 10.3 - 15.3	50	60	52	53	54	48	
		280	0.235	0.264	29 - 40 - 57	37	132	58.6	65.6	8.7 - 12.2 - 17.3	53	64	57	60	62	56	
	310	0.288	0.323	32 - 42 - 60	40	146	71.8	80.4	9.7 - 12.8 - 18.2	54	66	60	62	65	59		
	4'	200	0.071	0.086	10 - 15 - 22	17	94	17.8	21.4	2.9 - 4.4 - 6.7	52	63	48	46	45	37	
		280	0.140	0.168	14 - 18 - 26	26	132	34.9	41.9	4.1 - 5.6 - 7.9	55	69	55	55	55	47	
		320	0.183	0.220	15 - 20 - 28	30	151	45.5	54.8	4.7 - 6.0 - 8.5	56	71	58	59	59	52	
		400	0.286	0.344	18 - 22 - 31	36	189	71.1	85.6	5.5 - 6.7 - 9.5	58	74	63	65	66	59	
	440	0.346	0.416	19 - 23 - 33	39	208	86.1	103.6	5.7 - 7.0 - 9.9	59	76	65	67	69	62		
	5'	220	0.078	0.095	10 - 14 - 23	16	104	19.3	23.7	2.9 - 4.3 - 7.0	53	66	50	47	46	37	
		320	0.164	0.201	14 - 20 - 28	27	151	40.8	50.1	4.2 - 6.0 - 8.5	57	72	57	57	57	49	
370		0.219	0.269	16 - 21 - 30	31	175	54.6	67.0	4.9 - 6.4 - 9.1	58	74	60	61	62	54		
470		0.354	0.434	19 - 24 - 34	37	222	88.1	108.0	5.9 - 7.2 - 10.3	61	78	65	68	69	61		
520	0.433	0.531	20 - 25 - 35	40	245	107.8	132.3	6.2 - 7.6 - 10.8	62	80	67	70	72	64			
1/2" Slot Width 12" Oval Inlet	4'	220	0.045	0.051	11 - 16 - 23	14	104	11.2	12.8	3.2 - 4.9 - 7.0	46	54	42	39	37	30	
		330	0.101	0.116	16 - 20 - 28	25	156	25.2	28.8	4.9 - 6.1 - 8.6	50	60	50	50	50	43	
		385	0.138	0.158	18 - 22 - 31	29	182	34.3	39.3	5.4 - 6.6 - 9.3	52	63	53	54	54	48	
		495	0.228	0.261	20 - 24 - 35	36	234	56.7	64.9	6.1 - 7.4 - 10.5	54	67	58	60	62	56	
	550	0.281	0.322	21 - 26 - 36	39	260	70.0	80.1	6.4 - 7.8 - 11.1	55	68	61	63	65	59		
	5'	250	0.049	0.057	11 - 16 - 25	14	118	12.2	14.3	3.3 - 4.9 - 7.5	48	57	44	41	39	31	
		380	0.113	0.133	16 - 21 - 30	25	179	28.2	33.0	5.0 - 6.5 - 9.2	52	64	52	52	52	45	
		445	0.155	0.182	19 - 23 - 33	30	210	38.6	45.3	5.8 - 7.1 - 10.0	54	66	55	56	57	50	
575		0.259	0.304	22 - 26 - 37	37	271	64.5	75.6	6.5 - 8.0 - 11.3	56	71	61	63	65	58		
640	0.321	0.376	23 - 28 - 39	40	302	79.9	93.7	6.9 - 8.5 - 12.0	57	72	63	66	68	61			

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 1-SLOT, 3/4" SLOT WIDTHH

LINEAR SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressures		Perpendicular Throw		Air Flow	Pressures		Perpendicular Throw	2	3	4	5	6	7	
			Ps	Pt				Ps	Pt								
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m							
3/4" Slot Width 6" Oval Inlet	2'	20	0.011	0.011	1 - 3 - 10	-	9	2.7	2.9	0.4 - 1.0 - 3.1	33	24	19	-	-	-	
		50	0.067	0.072	8 - 13 - 24	23	24	16.7	17.8	2.5 - 3.8 - 7.3	46	44	43	31	28	18	
		65	0.113	0.121	11 - 16 - 27	29	31	28.2	30.1	3.3 - 5.0 - 8.3	50	50	50	38	35	28	
		95	0.242	0.258	16 - 23 - 33	38	45	60.3	64.3	4.8 - 7.1 - 10.1	55	58	60	49	47	44	
		110	0.325	0.346	18 - 25 - 36	42	52	80.9	86.3	5.6 - 7.7 - 10.8	57	62	64	52	51	51	
	4'	40	0.011	0.014	2 - 5 - 9	-	19	2.8	3.5	0.6 - 1.4 - 2.9	33	24	-	-	-	-	
		85	0.051	0.064	7 - 10 - 14	25	40	12.8	16.0	2.0 - 3.1 - 4.4	44	41	29	27	23	11	
		108	0.082	0.103	8 - 11 - 16	31	51	20.5	25.6	2.6 - 3.5 - 4.9	47	46	35	33	30	21	
		153	0.165	0.207	11 - 14 - 19	39	72	41.2	51.5	3.4 - 4.1 - 5.8	52	54	44	43	40	35	
		175	0.218	0.273	12 - 15 - 21	42	83	54.2	67.9	3.6 - 4.4 - 6.3	54	57	48	46	44	41	
	5'	50	0.013	0.018	2 - 5 - 11	-	24	3.3	4.4	0.7 - 1.6 - 3.2	33	24	-	-	-	-	
		100	0.053	0.070	7 - 11 - 16	26	47	13.1	17.5	2.1 - 3.2 - 4.7	43	39	24	26	21	-	
125		0.082	0.110	9 - 12 - 17	31	59	20.5	27.4	2.7 - 3.7 - 5.3	46	44	30	31	28	18		
175		0.161	0.216	12 - 15 - 21	39	83	40.1	53.7	3.6 - 4.4 - 6.3	51	52	39	40	38	32		
200		0.210	0.282	13 - 16 - 22	42	94	52.4	70.2	3.9 - 4.7 - 6.7	53	55	43	44	42	37		
3/4" Slot Width 8" Oval Inlet	2'	30	0.041	0.041	3 - 7 - 15	-	14	10.1	10.3	1.0 - 2.2 - 4.6	39	33	36	18	12	-	
		60	0.163	0.165	10 - 15 - 26	23	28	40.6	41.2	3.1 - 4.6 - 8.0	49	48	54	36	33	25	
		75	0.255	0.258	13 - 19 - 29	29	35	63.4	64.4	3.8 - 5.7 - 8.9	52	53	60	42	40	34	
		105	0.499	0.507	18 - 25 - 35	37	50	124.3	126.2	5.3 - 7.5 - 10.6	56	61	69	51	50	49	
		120	0.652	0.662	20 - 26 - 37	40	57	162.3	164.8	6.1 - 8.0 - 11.3	58	64	73	55	54	54	
	4'	70	0.031	0.034	6 - 8 - 13	17	33	7.7	8.5	1.7 - 2.5 - 4.0	41	36	31	22	17	-	
		110	0.076	0.085	9 - 12 - 16	27	52	19.0	21.1	2.6 - 3.5 - 5.0	47	46	42	34	30	21	
		130	0.107	0.118	10 - 13 - 18	31	61	26.6	29.5	3.1 - 3.8 - 5.4	50	50	47	38	35	28	
		170	0.182	0.202	12 - 14 - 20	38	80	45.4	50.4	3.6 - 4.4 - 6.2	53	56	54	46	44	40	
		190	0.228	0.253	12 - 15 - 21	40	90	56.8	62.9	3.8 - 4.6 - 6.5	55	58	57	49	47	44	
	5'	90	0.033	0.039	6 - 10 - 15	19	42	8.3	9.7	1.9 - 2.9 - 4.5	41	37	28	23	18	-	
		140	0.081	0.094	10 - 13 - 18	30	66	20.1	23.5	3.0 - 4.0 - 5.6	48	47	40	34	31	22	
165		0.112	0.131	12 - 14 - 20	33	78	27.9	32.6	3.5 - 4.3 - 6.1	50	50	44	39	36	29		
215		0.190	0.222	13 - 16 - 23	40	101	47.4	55.3	4.0 - 4.9 - 6.9	54	56	51	46	44	40		
240		0.237	0.277	14 - 17 - 24	42	113	59.1	68.9	4.2 - 5.2 - 7.3	55	59	54	49	47	45		
3/4" Slot Width 10" Oval Inlet	2'	40	0.160	0.161	6 - 10 - 20	11	19	39.9	40.1	1.7 - 3.1 - 6.1	43	39	48	26	21	-	
		80	0.641	0.644	13 - 20 - 30	28	38	159.7	160.2	4.1 - 6.1 - 9.2	53	55	66	44	42	37	
		100	1.002	1.005	17 - 24 - 34	33	47	249.5	250.4	5.1 - 7.3 - 10.3	56	60	72	50	48	47	
		140	1.964	1.971	23 - 28 - 40	41	66	488.9	490.7	7.0 - 8.6 - 12.2	60	67	81	59	59	61	
		160	2.565	2.574	25 - 30 - 43	44	76	638.6	640.9	7.5 - 9.2 - 13.1	62	70	85	62	63	66	
	4'	80	0.046	0.048	6 - 9 - 14	17	38	11.4	12.0	1.9 - 2.9 - 4.2	43	39	39	26	21	-	
		130	0.121	0.127	10 - 13 - 18	29	61	30.1	31.6	3.1 - 3.8 - 5.4	50	50	51	38	35	28	
		155	0.172	0.180	11 - 14 - 19	33	73	42.8	44.9	3.4 - 4.2 - 5.9	52	54	56	43	41	36	
		205	0.300	0.316	13 - 16 - 22	39	97	74.8	78.6	3.9 - 4.8 - 6.8	56	60	63	51	49	48	
		230	0.378	0.397	14 - 17 - 24	42	109	94.2	99.0	4.1 - 5.1 - 7.2	58	63	66	54	53	52	
	5'	90	0.033	0.036	6 - 10 - 15	16	42	8.3	9.0	1.9 - 2.9 - 4.5	41	37	33	23	18	-	
		150	0.092	0.101	11 - 13 - 19	28	71	23.0	25.1	3.2 - 4.1 - 5.8	49	48	46	36	33	25	
180		0.133	0.145	12 - 15 - 21	33	85	33.2	36.1	3.7 - 4.5 - 6.3	51	52	51	41	39	33		
240		0.237	0.258	14 - 17 - 24	40	113	58.9	64.1	4.2 - 5.2 - 7.3	55	59	58	49	47	45		
270		0.300	0.326	15 - 18 - 26	42	127	74.6	81.2	4.5 - 5.5 - 7.8	57	61	61	52	51	50		
3/4" Slot Width 12" Oval Inlet	4'	90	0.118	0.119	7 - 10 - 15	16	42	29.4	29.6	2.2 - 3.2 - 4.5	45	42	49	29	24	13	
		150	0.328	0.331	11 - 13 - 19	28	71	81.6	82.3	3.3 - 4.1 - 5.8	52	53	62	42	40	34	
		180	0.472	0.476	12 - 15 - 21	32	85	117.5	118.5	3.7 - 4.5 - 6.3	54	57	67	47	45	42	
		240	0.839	0.846	14 - 17 - 24	39	113	208.8	210.7	4.2 - 5.2 - 7.3	58	64	74	55	54	54	
		270	1.061	1.071	15 - 18 - 26	42	127	264.3	266.7	4.5 - 5.5 - 7.8	60	66	77	58	58	59	
	5'	100	0.061	0.063	7 - 11 - 16	15	47	15.3	15.6	2.1 - 3.2 - 4.7	43	39	42	26	21	-	
		170	0.177	0.181	12 - 14 - 20	27	80	44.2	45.2	3.6 - 4.4 - 6.2	50	51	56	40	37	30	
		205	0.258	0.264	13 - 16 - 22	32	97	64.3	65.7	3.9 - 4.8 - 6.8	53	55	61	45	42	38	
		275	0.464	0.475	15 - 18 - 26	39	130	115.6	118.2	4.5 - 5.5 - 7.8	57	62	69	52	51	51	
		310	0.590	0.603	16 - 19 - 27	42	146	146.9	150.1	4.8 - 5.9 - 8.3	59	64	72	56	55	56	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

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1900BOOT Performance Data: Horizontal Throw
IP/METRIC DATA: 1900BOOT, 2-SLOT, 3/4" SLOT WIDTH

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB					
		Air Flow	Pressures		Perpendicular Throw		Air Flow	Pressures		Perpendicular Throw						
		CFM	Ps	Pt	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
		"WG	"WG													
3/4" Slot Width 6" Oval Inlet	2'	60	0.026	0.032	5 - 10 - 21	17	28	6.4	8.0	1.4 - 3.1 - 6.5	39	33	20	18	12	-
		100	0.071	0.089	12 - 18 - 34	29	47	17.7	22.2	3.6 - 5.4 - 10.3	46	44	33	31	28	18
		120	0.102	0.128	14 - 21 - 37	33	57	25.5	31.9	4.3 - 6.5 - 11.3	49	48	38	36	33	25
		160	0.182	0.228	19 - 28 - 43	40	76	45.3	56.7	5.8 - 8.6 - 13.1	53	55	46	44	42	37
	180	0.230	0.288	21 - 32 - 46	43	85	57.4	71.8	6.5 - 9.7 - 13.8	54	57	49	47	45	42	
	4'	75	0.018	0.028	3 - 6 - 13	12	35	4.4	6.9	0.8 - 1.7 - 3.8	32	23	-	-	-	-
		135	0.058	0.090	8 - 11 - 18	26	64	14.4	22.5	2.3 - 3.4 - 5.5	41	36	13	21	16	-
		165	0.086	0.135	9 - 14 - 20	30	78	21.5	33.6	2.8 - 4.2 - 6.1	43	40	19	26	22	-
		225	0.161	0.251	13 - 17 - 23	38	106	40.0	62.5	3.8 - 5.0 - 7.1	48	47	27	35	31	22
	255	0.206	0.323	14 - 18 - 25	41	120	51.4	80.3	4.3 - 5.3 - 7.6	49	50	30	38	35	28	
	5'	85	0.019	0.032	2 - 5 - 13	11	40	4.7	7.9	0.7 - 1.6 - 3.9	31	20	-	-	-	-
		155	0.063	0.106	8 - 12 - 19	25	73	15.7	26.4	2.3 - 3.5 - 5.9	39	34	-	19	13	-
190		0.095	0.159	9 - 14 - 21	30	90	23.6	39.7	2.9 - 4.3 - 6.5	42	38	13	24	19	-	
260		0.178	0.298	13 - 18 - 25	38	123	44.2	74.3	3.9 - 5.4 - 7.6	47	45	22	33	29	19	
295	0.229	0.384	15 - 19 - 27	41	139	56.9	95.7	4.5 - 5.7 - 8.1	48	48	25	36	33	24		
3/4" Slot Width 8" Oval Inlet	2'	75	0.036	0.039	7 - 13 - 27	18	35	8.8	9.8	2.2 - 4.1 - 8.1	42	38	32	24	19	-
		125	0.099	0.109	15 - 22 - 38	30	59	24.6	27.2	4.5 - 6.8 - 11.5	49	49	46	37	34	27
		150	0.142	0.158	18 - 27 - 42	35	71	35.4	39.2	5.4 - 8.1 - 12.6	52	53	51	42	40	34
		200	0.253	0.280	24 - 34 - 48	41	94	62.9	69.7	7.2 - 10.3 - 14.6	56	60	58	50	48	47
	225	0.320	0.355	27 - 36 - 51	44	106	79.6	88.3	8.1 - 10.9 - 15.5	57	62	61	53	52	51	
	4'	100	0.020	0.027	4 - 8 - 16	14	47	5.1	6.8	1.4 - 2.5 - 4.7	36	29	12	13	-	-
		170	0.059	0.079	9 - 14 - 20	27	80	14.7	19.7	2.9 - 4.3 - 6.2	44	41	26	27	23	11
		205	0.086	0.115	11 - 16 - 22	31	97	21.4	28.6	3.5 - 4.8 - 6.8	46	45	31	32	28	19
		275	0.155	0.207	15 - 18 - 26	38	130	38.5	51.5	4.5 - 5.5 - 7.8	50	51	39	40	37	31
	310	0.196	0.263	16 - 19 - 27	41	146	48.9	65.4	4.8 - 5.9 - 8.3	52	54	42	43	41	36	
	5'	120	0.023	0.033	5 - 9 - 17	15	57	5.6	8.1	1.4 - 2.7 - 5.2	36	28	-	12	-	-
		210	0.069	0.100	10 - 16 - 23	29	99	17.3	24.9	3.2 - 4.8 - 6.9	44	40	23	27	22	-
255		0.102	0.147	13 - 18 - 25	33	120	25.5	36.7	3.9 - 5.3 - 7.6	46	45	28	32	28	18	
345		0.188	0.270	17 - 20 - 29	40	163	46.7	67.1	5.1 - 6.2 - 8.8	51	51	36	40	37	31	
390	0.240	0.344	18 - 22 - 31	43	184	59.7	85.8	5.4 - 6.6 - 9.3	52	54	39	43	41	36		
3/4" Slot Width 10" Oval Inlet	2'	80	0.046	0.048	8 - 14 - 28	17	38	11.4	12.0	2.5 - 4.3 - 8.6	43	39	39	26	21	-
		130	0.121	0.127	15 - 23 - 39	29	61	30.1	31.6	4.7 - 7.0 - 11.8	50	50	51	38	35	28
		155	0.172	0.180	18 - 28 - 42	33	73	42.8	44.9	5.6 - 8.4 - 12.8	52	54	56	43	41	36
		205	0.300	0.316	24 - 34 - 49	39	97	74.8	78.6	7.4 - 10.4 - 14.8	56	60	63	51	49	48
	230	0.378	0.397	27 - 36 - 51	42	109	94.2	99.0	8.3 - 11.1 - 15.6	58	63	66	54	53	52	
	4'	120	0.024	0.030	6 - 10 - 17	16	57	6.1	7.4	2.0 - 3.1 - 5.2	39	33	21	18	12	-
		210	0.075	0.091	12 - 16 - 23	29	99	18.6	22.5	3.6 - 4.8 - 6.9	47	45	36	33	29	20
		255	0.110	0.134	14 - 18 - 25	34	120	27.4	33.2	4.3 - 5.3 - 7.6	49	50	41	38	35	28
		345	0.201	0.244	17 - 20 - 29	41	163	50.1	60.9	5.1 - 6.2 - 8.8	54	56	49	46	44	40
	390	0.257	0.312	18 - 22 - 31	44	184	64.0	77.8	5.4 - 6.6 - 9.3	55	59	52	49	48	45	
	5'	130	0.021	0.027	5 - 10 - 18	15	61	5.1	6.7	1.7 - 3.0 - 5.4	37	30	15	14	-	-
		230	0.065	0.084	11 - 17 - 24	28	109	16.1	20.9	3.5 - 5.1 - 7.2	45	42	29	29	25	14
280		0.096	0.124	14 - 18 - 26	33	132	23.8	30.9	4.3 - 5.6 - 7.9	48	47	35	34	31	22	
380		0.176	0.229	18 - 21 - 30	40	179	43.9	57.0	5.3 - 6.5 - 9.2	52	53	43	43	40	35	
430	0.226	0.293	19 - 23 - 32	43	203	56.2	72.9	5.7 - 6.9 - 9.8	54	56	46	46	44	40		
3/4" Slot Width 12" Oval Inlet	4'	120	0.023	0.025	6 - 10 - 17	12	57	5.8	6.3	2.0 - 3.1 - 5.2	39	33	28	18	12	-
		220	0.078	0.085	12 - 16 - 23	26	104	19.5	21.1	3.7 - 5.0 - 7.0	47	46	44	34	30	21
		270	0.118	0.128	15 - 18 - 26	31	127	29.3	31.8	4.5 - 5.5 - 7.8	50	51	50	39	37	30
		370	0.221	0.240	17 - 21 - 30	39	175	55.1	59.7	5.3 - 6.4 - 9.1	55	58	58	48	46	43
	420	0.285	0.309	18 - 23 - 32	42	198	71.0	76.9	5.6 - 6.9 - 9.7	56	61	61	51	50	49	
	5'	140	0.020	0.022	6 - 10 - 18	12	66	4.9	5.6	1.9 - 3.2 - 5.6	38	31	23	16	-	-
		260	0.068	0.077	13 - 18 - 25	27	123	17.0	19.3	3.9 - 5.4 - 7.6	47	45	40	33	29	19
		320	0.103	0.117	16 - 20 - 28	32	151	25.7	29.2	4.9 - 6.0 - 8.5	49	50	45	38	35	28
		440	0.195	0.222	19 - 23 - 33	39	208	48.7	55.2	5.7 - 7.0 - 9.9	54	57	53	47	45	41
		500	0.252	0.286	20 - 25 - 35	42	236	62.8	71.2	6.1 - 7.5 - 10.6	56	60	57	50	48	47

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 3-SLOT, 3/4" SLOT WIDTHH

LINEAR SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB							
		Air Flow	Pressures		Perpendicular Throw		Air Flow	Pressures		Perpendicular Throw	2	3	4	5	6	7		
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m								
3/4" Slot Width	2'	60	0.015	0.022	4 - 8 - 20	-	28	3.8	5.4	1.1 - 2.5 - 6.0	33	24	-	-	-	-		
		110	0.051	0.073	12 - 18 - 36	25	52	12.8	18.2	3.7 - 5.5 - 10.8	42	37	20	23	18	-		
		135	0.077	0.110	15 - 22 - 39	30	64	19.2	27.4	4.5 - 6.8 - 12.0	45	42	25	29	24	13		
		185	0.145	0.206	20 - 30 - 46	37	87	36.1	51.4	6.2 - 9.3 - 14.0	49	49	33	37	34	26		
		210	0.187	0.266	23 - 35 - 49	40	99	46.6	66.2	7.0 - 10.5 - 15.0	51	52	37	40	38	32		
	6" Oval Inlet	4'	100	0.023	0.041	4 - 8 - 16	12	47	5.7	10.2	1.1 - 2.4 - 4.7	31	20	-	-	-	-	
			180	0.074	0.132	9 - 14 - 21	26	85	18.5	32.9	2.8 - 4.2 - 6.3	39	33	-	18	12	-	
			220	0.111	0.198	11 - 16 - 23	31	104	27.7	49.2	3.5 - 5.0 - 7.0	42	37	-	23	18	-	
			300	0.207	0.368	16 - 19 - 27	38	142	51.5	91.5	4.7 - 5.8 - 8.2	46	44	18	31	28	18	
			340	0.265	0.472	17 - 20 - 29	41	160	66.1	117.5	5.0 - 6.2 - 8.7	48	47	21	35	31	23	
	3/4" Slot Width	2'	120	0.029	0.054	4 - 8 - 17	13	57	7.1	13.5	1.1 - 2.5 - 5.1	30	19	-	-	-	-	
			210	0.088	0.167	10 - 15 - 23	26	99	21.9	41.5	3.0 - 4.4 - 6.9	38	31	-	16	-	-	
255			0.129	0.246	12 - 18 - 25	31	120	32.2	61.2	3.6 - 5.3 - 7.6	41	36	-	21	16	-		
345			0.237	0.450	16 - 20 - 29	38	163	59.0	112.0	4.9 - 6.2 - 8.8	45	42	13	29	25	14		
390			0.303	0.575	18 - 22 - 31	41	184	75.4	143.1	5.4 - 6.6 - 9.3	47	45	16	33	29	19		
8" Oval Inlet		2'	75	0.017	0.021	6 - 12 - 25	12	35	4.3	5.2	1.7 - 3.8 - 7.5	36	29	16	13	-	-	
			135	0.056	0.068	15 - 22 - 39	26	64	13.8	17.0	4.5 - 6.8 - 12.0	45	42	32	29	24	13	
			165	0.083	0.102	18 - 27 - 44	31	78	20.7	25.4	5.5 - 8.3 - 13.3	47	46	37	34	30	21	
			225	0.154	0.189	25 - 36 - 51	38	106	38.5	47.2	7.5 - 10.9 - 15.5	52	53	45	42	40	34	
			255	0.198	0.243	28 - 38 - 54	41	120	49.4	60.6	8.5 - 11.7 - 16.5	53	56	48	46	44	40	
		5'	4'	115	0.017	0.026	5 - 9 - 17	12	54	4.3	6.6	1.4 - 2.7 - 5.1	33	23	-	-	-	-
				215	0.060	0.092	11 - 16 - 23	26	101	15.1	23.0	3.4 - 4.9 - 6.9	41	37	16	23	17	-
	265			0.092	0.140	14 - 18 - 25	31	125	22.9	34.9	4.2 - 5.4 - 7.7	44	41	21	28	24	12	
	365			0.174	0.266	17 - 21 - 30	39	172	43.4	66.3	5.2 - 6.4 - 9.0	49	49	30	37	33	26	
	415			0.225	0.344	18 - 22 - 32	42	196	56.1	85.7	5.6 - 6.8 - 9.6	51	51	33	40	37	31	
	5'		125	0.017	0.028	4 - 9 - 17	-	59	4.2	6.9	1.2 - 2.6 - 5.3	31	20	-	-	-	-	
			245	0.064	0.106	11 - 17 - 24	26	116	16.0	26.3	3.4 - 5.2 - 7.4	40	35	-	20	15	-	
305			0.100	0.164	14 - 19 - 27	31	144	24.9	40.8	4.3 - 5.8 - 8.3	43	40	16	26	21	-		
425			0.194	0.318	19 - 23 - 32	39	201	48.3	79.3	5.6 - 6.9 - 9.7	48	47	25	35	31	23		
485			0.252	0.415	20 - 24 - 34	42	229	62.8	103.2	6.0 - 7.4 - 10.4	50	50	28	38	35	28		
3/4" Slot Width			2'	100	0.028	0.032	10 - 16 - 33	16	47	7.0	7.9	3.1 - 5.0 - 10.0	40	35	28	21	15	-
				170	0.081	0.091	19 - 28 - 44	29	80	20.2	22.8	5.7 - 8.5 - 13.5	48	47	42	35	31	23
	205	0.118		0.133	23 - 34 - 49	33	97	29.3	33.1	6.8 - 10.3 - 14.8	50	51	47	40	37	31		
	275	0.212		0.239	30 - 40 - 56	40	130	52.8	59.6	9.2 - 12.1 - 17.1	54	58	55	48	46	43		
	310	0.269		0.304	34 - 42 - 60	43	146	67.0	75.7	10.3 - 12.8 - 18.2	56	60	58	51	49	48		
	10" Oval Inlet	4'	130	0.016	0.023	6 - 10 - 18	12	61	4.1	5.6	1.8 - 3.1 - 5.4	34	26	-	-	-	-	
			240	0.056	0.077	12 - 17 - 24	26	113	13.9	19.1	3.8 - 5.2 - 7.3	43	39	23	26	21	-	
			295	0.084	0.116	15 - 19 - 27	31	139	21.0	28.9	4.6 - 5.7 - 8.1	46	44	29	31	27	17	
			405	0.159	0.219	18 - 22 - 31	39	191	39.6	54.4	5.5 - 6.7 - 9.5	50	51	37	39	37	30	
			460	0.205	0.282	19 - 24 - 33	42	217	51.1	70.2	5.9 - 7.2 - 10.1	52	54	40	43	40	35	
		5'	150	0.017	0.025	6 - 10 - 19	12	71	4.2	6.3	1.7 - 3.2 - 5.8	33	24	-	-	-	-	
			280	0.059	0.088	13 - 18 - 26	26	132	14.8	21.9	3.9 - 5.6 - 7.9	42	38	18	24	19	-	
345			0.090	0.133	16 - 20 - 29	31	163	22.5	33.2	4.9 - 6.2 - 8.8	45	42	24	29	25	14		
475			0.171	0.253	20 - 24 - 34	39	224	42.6	63.0	6.0 - 7.3 - 10.3	49	49	32	38	35	27		
540			0.221	0.327	21 - 26 - 36	42	255	55.1	81.4	6.3 - 7.8 - 11.0	51	52	36	41	39	33		
3/4" Slot Width			4'	160	0.019	0.022	8 - 12 - 20	12	76	4.6	5.5	2.5 - 3.8 - 6.0	37	30	20	15	-	-
				290	0.061	0.072	15 - 19 - 26	27	137	15.2	18.0	4.6 - 5.7 - 8.1	46	43	35	31	26	16
	355	0.092		0.109	17 - 21 - 29	31	168	22.8	27.0	5.1 - 6.3 - 8.9	48	48	40	36	33	25		
	485	0.171		0.203	20 - 24 - 34	39	229	42.6	50.5	6.0 - 7.4 - 10.4	53	55	49	44	42	38		
	550	0.220		0.261	21 - 26 - 36	42	260	54.8	64.9	6.4 - 7.8 - 11.1	54	58	52	48	46	43		
	5'	180	0.017	0.021	8 - 12 - 21	12	85	4.1	5.2	2.5 - 3.8 - 6.3	36	28	14	12	-	-		
		340	0.059	0.075	16 - 20 - 29	27	160	14.8	18.7	4.8 - 6.2 - 8.7	45	42	30	29	25	13		
		420	0.091	0.114	18 - 23 - 32	32	198	22.6	28.5	5.6 - 6.9 - 9.7	48	47	36	34	31	22		
		580	0.173	0.218	22 - 26 - 37	40	274	43.1	54.4	6.6 - 8.1 - 11.4	52	54	44	43	41	36		
		660	0.224	0.283	23 - 28 - 40	43	311	55.8	70.4	7.0 - 8.6 - 12.1	54	57	48	47	45	41		

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

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1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 4-SLOT, 3/4" SLOT WIDTH

Linear Length	IP Data	Metric Data					NC	Metric Data			Octave Band, dB						
		Air Flow	Pressures		Perpendicular Throw	Air Flow		Pressures		Perpendicular Throw	2	3	4	5	6	7	
		CFM	Ps	Pt	ft	L/s		Pa	Pa	m							
		"WG	"WG														
3/4" Slot Width	2'	65	0.011	0.018	2 - 4 - 16	-	31	2.6	4.5	0.6 - 1.3 - 5.0	30	19	-	-	-	-	
		125	0.039	0.067	7 - 16 - 31	26	59	9.7	16.7	2.1 - 4.8 - 9.6	39	34	-	19	13	-	
		155	0.060	0.103	11 - 19 - 39	31	73	15.0	25.6	3.3 - 5.9 - 11.8	42	39	13	25	20	-	
		215	0.116	0.198	18 - 27 - 50	39	101	28.8	49.3	5.5 - 8.2 - 15.1	47	46	22	33	30	21	
	245	0.150	0.257	21 - 31 - 53	42	116	37.4	64.1	6.2 - 9.4 - 16.2	49	49	25	37	34	26		
	4'	115	0.022	0.046	2 - 5 - 14	14	54	5.5	11.3	0.6 - 1.4 - 4.1	29	17	-	-	-	-	
		205	0.070	0.145	7 - 12 - 22	27	97	17.3	36.0	2.0 - 3.7 - 6.8	37	29	-	14	-	-	
		250	0.104	0.215	10 - 15 - 25	32	118	25.8	53.6	3.0 - 4.5 - 7.5	39	34	-	19	13	-	
		340	0.192	0.398	13 - 20 - 29	39	160	47.7	99.1	4.1 - 6.1 - 8.7	44	41	-	27	23	11	
	5'	385	0.246	0.510	15 - 22 - 31	42	182	61.1	127.1	4.6 - 6.6 - 9.3	45	43	-	30	26	16	
		125	0.024	0.052	2 - 4 - 13	12	59	5.9	12.8	0.5 - 1.2 - 4.0	27	14	-	-	-	-	
		235	0.083	0.182	6 - 12 - 24	27	111	20.8	45.3	1.9 - 3.8 - 7.2	36	28	-	11	-	-	
290		0.127	0.277	10 - 15 - 26	32	137	31.6	69.0	2.9 - 4.7 - 8.1	38	32	-	17	11	-		
3/4" Slot Width	2'	125	0.024	0.052	2 - 4 - 13	12	59	5.9	12.8	0.5 - 1.2 - 4.0	27	14	-	-	-	-	
		235	0.083	0.182	6 - 12 - 24	27	111	20.8	45.3	1.9 - 3.8 - 7.2	36	28	-	11	-	-	
		290	0.127	0.277	10 - 15 - 26	32	137	31.6	69.0	2.9 - 4.7 - 8.1	38	32	-	17	11	-	
		400	0.241	0.527	14 - 21 - 31	40	189	60.1	131.3	4.3 - 6.4 - 9.5	43	39	-	26	21	-	
	455	0.312	0.682	16 - 23 - 33	43	215	77.8	169.9	4.9 - 7.1 - 10.1	45	42	-	29	25	14		
	4'	140	0.016	0.030	3 - 7 - 17	14	66	4.0	7.4	0.9 - 2.1 - 5.0	31	21	-	-	-	-	
		240	0.048	0.087	9 - 14 - 24	27	113	11.9	21.8	2.8 - 4.3 - 7.3	39	33	-	18	12	-	
		290	0.070	0.128	11 - 17 - 26	31	137	17.4	31.8	3.5 - 5.2 - 8.1	42	37	-	23	18	-	
		390	0.126	0.231	15 - 22 - 31	38	184	31.4	57.5	4.7 - 6.6 - 9.3	46	44	16	31	27	16	
	5'	440	0.161	0.294	17 - 23 - 33	41	208	40.0	73.2	5.3 - 7.0 - 9.9	47	46	19	34	30	21	
		160	0.019	0.036	3 - 7 - 17	14	76	4.6	9.0	0.9 - 2.0 - 5.2	30	19	-	-	-	-	
		280	0.057	0.111	9 - 15 - 26	27	132	14.2	27.6	2.7 - 4.5 - 7.9	38	31	-	16	-	-	
340		0.084	0.164	12 - 18 - 29	32	160	20.9	40.7	3.7 - 5.5 - 8.7	41	36	-	21	16	-		
3/4" Slot Width	2'	460	0.154	0.299	16 - 24 - 33	39	217	38.2	74.6	4.9 - 7.2 - 10.1	45	42	11	29	25	14	
		520	0.196	0.383	18 - 25 - 35	42	245	48.9	95.3	5.6 - 7.6 - 10.8	47	45	15	33	29	19	
		100	0.011	0.015	4 - 10 - 25	14	47	2.8	3.7	1.4 - 3.1 - 7.6	36	29	13	13	-	-	
		180	0.036	0.048	15 - 23 - 45	28	85	9.1	12.0	4.4 - 6.9 - 13.8	45	42	28	29	24	13	
	4'	220	0.054	0.072	18 - 28 - 50	33	104	13.5	17.9	5.6 - 8.4 - 15.3	47	46	33	34	30	21	
		300	0.101	0.134	25 - 38 - 59	40	142	25.1	33.3	7.6 - 11.5 - 17.9	52	53	41	42	40	34	
		340	0.130	0.172	28 - 43 - 63	43	160	32.3	42.7	8.7 - 13.0 - 19.0	53	56	45	46	44	40	
		150	0.012	0.021	4 - 8 - 18	13	71	3.1	5.1	1.1 - 2.4 - 5.4	32	23	-	-	-	-	
	5'	270	0.040	0.067	11 - 16 - 26	27	127	10.0	16.6	3.2 - 4.9 - 7.8	41	36	11	21	16	-	
		330	0.060	0.099	13 - 20 - 28	32	156	14.9	24.8	4.0 - 5.9 - 8.6	43	40	16	26	22	-	
		450	0.111	0.185	18 - 23 - 33	39	212	27.7	46.0	5.4 - 7.1 - 10.0	48	47	24	35	31	22	
		510	0.143	0.237	20 - 25 - 35	42	241	35.6	59.1	6.1 - 7.6 - 10.7	49	50	28	38	35	28	
3/4" Slot Width	4'	175	0.014	0.025	3 - 8 - 19	13	83	3.6	6.3	1.1 - 2.4 - 5.6	31	21	-	-	-	-	
		315	0.046	0.082	11 - 17 - 28	27	149	11.5	20.5	3.4 - 5.1 - 8.4	40	34	-	19	14	-	
		385	0.069	0.123	14 - 20 - 31	32	182	17.2	30.6	4.1 - 6.2 - 9.3	42	38	11	25	20	-	
		525	0.128	0.228	19 - 25 - 36	39	248	32.0	56.8	5.6 - 7.7 - 10.8	47	45	19	33	29	20	
	5'	595	0.165	0.293	21 - 27 - 38	42	281	41.1	73.0	6.4 - 8.2 - 11.5	48	48	23	36	33	25	
		190	0.012	0.017	6 - 11 - 21	15	90	3.0	4.2	1.7 - 3.4 - 6.5	36	28	-	12	-	-	
		340	0.038	0.054	13 - 20 - 29	28	160	9.5	13.3	4.1 - 6.1 - 8.7	44	41	24	27	23	11	
		415	0.057	0.080	16 - 22 - 32	33	196	14.1	19.9	5.0 - 6.8 - 9.6	47	45	29	32	29	19	
	12" Oval Inlet	4'	565	0.105	0.148	21 - 26 - 37	40	267	26.1	36.8	6.5 - 7.9 - 11.2	51	52	37	41	38	32
			640	0.135	0.190	23 - 28 - 39	43	302	33.5	47.3	6.9 - 8.5 - 12.0	53	55	40	44	42	37
			210	0.011	0.017	5 - 11 - 22	14	99	2.9	4.3	1.5 - 3.4 - 6.8	34	25	-	-	-	-
			370	0.036	0.054	13 - 20 - 30	27	175	8.9	13.5	4.0 - 6.0 - 9.1	42	38	17	23	18	-
5'	450	0.053	0.080	16 - 23 - 33	32	212	13.1	19.9	4.8 - 7.1 - 10.0	45	42	22	29	24	13		
	610	0.097	0.147	22 - 27 - 38	39	288	24.1	36.6	6.6 - 8.3 - 11.7	49	49	30	37	34	26		
	690	0.124	0.188	24 - 29 - 41	42	326	30.8	46.8	7.2 - 8.8 - 12.4	51	51	33	40	37	31		

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 1-SLOT, 1" SLOT WIDTH

LINEAR SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressures		Perpendicular Throw		Air Flow	Pressures		Perpendicular Throw	2	3	4	5	6	7	
			Ps	Pt				L/s	Pa								Pa
		CFM	"WG	"WG	ft												
1" Slot Width 6" Oval Inlet	2'	25	0.009	0.010	1 - 3 - 11	-	12	2.2	2.5	0.4 - 1.0 - 3.3	49	32	22	24	-	-	
		55	0.043	0.048	7 - 12 - 24	26	26	10.7	12.0	2.1 - 3.6 - 7.3	55	48	40	41	32	24	
		70	0.069	0.078	10 - 15 - 28	32	33	17.3	19.5	3.1 - 4.6 - 8.6	56	52	46	46	42	34	
		100	0.142	0.160	15 - 22 - 34	40	47	35.3	39.7	4.4 - 6.6 - 10.3	59	60	55	54	55	48	
		115	0.187	0.211	17 - 25 - 36	43	54	46.7	52.6	5.1 - 7.6 - 11.1	60	62	58	57	61	54	
	4'	50	0.012	0.017	2 - 5 - 10	13	24	3.0	4.1	0.6 - 1.4 - 3.1	53	43	31	31	24	21	
		90	0.039	0.054	6 - 9 - 15	27	42	9.8	13.4	1.9 - 2.8 - 4.5	57	55	45	44	47	45	
		110	0.059	0.080	8 - 11 - 16	32	52	14.6	20.0	2.3 - 3.4 - 5.0	59	59	50	48	54	53	
		150	0.109	0.150	10 - 13 - 19	39	71	27.2	37.2	3.1 - 4.1 - 5.8	61	65	57	55	66	65	
		170	0.140	0.192	12 - 14 - 20	42	80	35.0	47.8	3.5 - 4.4 - 6.2	62	67	60	58	71	70	
	5'	70	0.019	0.027	3 - 6 - 13	18	33	4.6	6.8	0.9 - 2.0 - 3.9	55	49	37	36	36	35	
		110	0.046	0.067	7 - 10 - 16	28	52	11.4	16.8	2.0 - 3.1 - 5.0	58	58	48	46	53	53	
130		0.064	0.094	8 - 12 - 18	32	61	15.9	23.5	2.4 - 3.6 - 5.4	59	61	52	49	59	60		
170		0.110	0.161	10 - 14 - 20	39	80	27.3	40.1	3.2 - 4.4 - 6.2	61	67	58	55	70	70		
190		0.137	0.201	12 - 15 - 21	41	90	34.1	50.1	3.5 - 4.6 - 6.5	62	69	61	57	74	75		
1" Slot Width 8" Oval Inlet	2'	35	0.021	0.022	3 - 6 - 15	11	17	5.3	5.5	0.9 - 2.0 - 4.6	49	31	23	26	-	-	
		65	0.073	0.076	9 - 14 - 27	26	31	18.1	18.9	2.9 - 4.3 - 8.3	53	43	38	40	24	12	
		80	0.110	0.115	12 - 17 - 30	31	38	27.5	28.6	3.5 - 5.3 - 9.2	55	47	43	44	32	20	
		110	0.209	0.217	16 - 24 - 36	38	52	52.0	54.0	4.9 - 7.3 - 10.8	57	54	50	51	44	33	
		125	0.270	0.280	18 - 27 - 38	41	59	67.1	69.8	5.5 - 8.2 - 11.5	58	56	53	54	49	38	
	4'	70	0.018	0.021	4 - 7 - 13	17	33	4.5	5.3	1.2 - 2.2 - 4.0	53	42	33	34	22	15	
		110	0.045	0.053	8 - 11 - 16	28	52	11.1	13.2	2.3 - 3.4 - 5.0	56	51	43	43	39	33	
		130	0.062	0.074	9 - 13 - 18	32	61	15.5	18.4	2.7 - 3.8 - 5.4	57	54	47	47	46	40	
		170	0.107	0.126	12 - 14 - 20	38	80	26.5	31.5	3.5 - 4.4 - 6.2	59	60	54	53	56	51	
		190	0.133	0.158	12 - 15 - 21	41	90	33.1	39.3	3.8 - 4.6 - 6.5	60	62	56	55	60	55	
	5'	85	0.019	0.024	4 - 8 - 14	18	40	4.7	5.9	1.3 - 2.4 - 4.4	54	45	35	35	28	23	
		135	0.048	0.060	8 - 12 - 18	29	64	11.8	15.0	2.5 - 3.8 - 5.5	57	54	46	45	46	42	
160		0.067	0.084	10 - 14 - 20	33	76	16.6	21.0	3.0 - 4.2 - 6.0	58	58	50	49	52	48		
210		0.115	0.146	13 - 16 - 23	40	99	28.7	36.2	3.9 - 4.8 - 6.9	60	63	56	55	63	59		
235		0.144	0.182	14 - 17 - 24	42	111	35.9	45.4	4.2 - 5.1 - 7.2	61	65	59	57	67	64		
1" Slot Width 10" Oval Inlet	2'	50	0.068	0.069	6 - 11 - 22	17	24	16.9	17.1	1.8 - 3.3 - 6.6	49	33	27	31	-	-	
		80	0.174	0.176	12 - 17 - 30	28	38	43.2	43.8	3.5 - 5.3 - 9.2	53	42	38	41	21	-	
		95	0.245	0.248	14 - 21 - 33	32	45	60.9	61.8	4.2 - 6.3 - 10.1	54	46	42	45	28	14	
		125	0.424	0.429	18 - 27 - 38	39	59	105.5	106.9	5.5 - 8.2 - 11.5	56	51	49	50	39	25	
		140	0.532	0.539	20 - 28 - 40	41	66	132.4	134.1	6.2 - 8.6 - 12.2	57	53	52	53	43	29	
	4'	90	0.029	0.032	6 - 9 - 15	20	42	7.2	7.9	1.9 - 2.8 - 4.5	53	42	34	36	21	12	
		140	0.070	0.077	10 - 13 - 18	31	66	17.4	19.2	2.9 - 4.0 - 5.6	56	51	45	45	38	30	
		165	0.097	0.107	11 - 14 - 20	35	78	24.2	26.6	3.4 - 4.3 - 6.1	57	54	49	49	45	36	
		215	0.165	0.182	13 - 16 - 23	41	101	41.0	45.2	4.0 - 4.9 - 6.9	59	59	55	54	55	47	
		240	0.205	0.226	14 - 17 - 24	43	113	51.1	56.3	4.2 - 5.2 - 7.3	60	62	57	57	59	51	
	5'	100	0.023	0.027	6 - 9 - 16	19	47	5.7	6.6	1.8 - 2.8 - 4.7	53	43	35	35	24	16	
		150	0.052	0.060	9 - 13 - 19	29	71	12.9	14.9	2.8 - 4.1 - 5.8	56	51	44	44	40	33	
175		0.070	0.082	11 - 15 - 21	33	83	17.5	20.3	3.3 - 4.4 - 6.3	57	54	48	47	46	39		
225		0.116	0.135	13 - 17 - 23	38	106	29.0	33.6	4.1 - 5.0 - 7.1	59	59	54	53	55	49		
250		0.144	0.166	14 - 17 - 25	41	118	35.8	41.4	4.3 - 5.3 - 7.5	60	61	56	55	59	53		
1" Slot Width 12" Oval Inlet	4'	100	0.049	0.051	7 - 10 - 16	19	47	12.3	12.6	2.1 - 3.1 - 4.7	51	36	30	33	-	-	
		160	0.126	0.130	11 - 14 - 20	30	76	31.5	32.3	3.3 - 4.2 - 6.0	54	45	41	43	28	15	
		190	0.178	0.183	12 - 15 - 21	34	90	44.4	45.6	3.8 - 4.6 - 6.5	55	49	45	47	34	22	
		250	0.309	0.317	14 - 17 - 25	40	118	76.8	78.9	4.3 - 5.3 - 7.5	57	54	52	52	45	33	
		280	0.387	0.398	15 - 18 - 26	43	132	96.4	99.0	4.6 - 5.6 - 7.9	58	57	54	55	49	37	
	5'	110	0.031	0.032	7 - 10 - 16	17	52	7.7	8.1	2.0 - 3.1 - 5.0	51	37	30	32	12	-	
		180	0.082	0.087	11 - 15 - 21	29	85	20.5	21.6	3.3 - 4.5 - 6.3	54	47	42	43	31	20	
		215	0.118	0.124	13 - 16 - 23	33	101	29.3	30.8	4.0 - 4.9 - 6.9	56	50	46	47	38	27	
		285	0.207	0.218	15 - 19 - 26	40	135	51.5	54.2	4.6 - 5.6 - 8.0	58	56	53	53	49	38	
		320	0.261	0.274	16 - 20 - 28	43	151	64.9	68.3	4.9 - 6.0 - 8.5	59	58	55	55	53	43	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

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1900BOOT Performance Data: Horizontal Throw
IP/METRIC DATA: 1900BOOT, 2-SLOT, 1" SLOT WIDTH

	Linear Length	IP Data					NC	Metric Data				Octave Band, dB					
		Air Flow	Pressures		Perpendicular Throw	Air Flow		Pressures		Perpendicular Throw	2	3	4	5	6	7	
			Ps	Pt				Ps	Pt								
		CFM	"WG	"WG	ft	L/s		Pa	Pa	m							
1" Slot Width 6" Oval Inlet	2'	60	0.017	0.024	3 - 7 - 18	17	28	4.4	6.0	0.9 - 2.0 - 5.6	54	47	36	35	31	28	
		100	0.049	0.066	8 - 15 - 31	29	47	12.1	16.5	2.5 - 4.7 - 9.4	58	57	48	46	51	49	
		120	0.070	0.096	12 - 18 - 37	34	57	17.4	23.8	3.6 - 5.6 - 11.2	59	60	52	50	58	56	
		160	0.124	0.170	16 - 25 - 43	41	76	31.0	42.4	5.0 - 7.5 - 13.1	61	66	59	56	69	68	
	180	0.157	0.215	18 - 28 - 46	43	85	39.2	53.6	5.6 - 8.4 - 13.8	62	69	62	59	73	73		
	4'	70	0.012	0.021	1 - 3 - 10	-	33	3.1	5.2	0.4 - 1.0 - 3.1	54	47	32	31	32	35	
		130	0.042	0.072	5 - 9 - 18	25	61	10.5	18.0	1.5 - 2.9 - 5.4	59	59	47	44	56	60	
		160	0.064	0.110	7 - 12 - 20	30	76	15.9	27.3	2.3 - 3.5 - 6.0	60	63	52	49	64	68	
		220	0.121	0.208	11 - 16 - 23	37	104	30.1	51.7	3.2 - 4.9 - 7.0	63	70	59	55	77	81	
	250	0.156	0.268	12 - 17 - 25	41	118	38.9	66.7	3.7 - 5.3 - 7.5	64	72	62	58	81	86		
	5'	80	0.014	0.025	1 - 3 - 10	-	38	3.4	6.3	0.4 - 0.9 - 3.2	55	49	33	31	36	41	
		150	0.048	0.088	5 - 10 - 19	25	71	12.0	22.0	1.4 - 3.0 - 5.8	59	61	48	45	60	66	
185		0.073	0.134	7 - 12 - 21	30	87	18.2	33.5	2.2 - 3.7 - 6.4	61	66	53	49	68	74		
255		0.139	0.255	11 - 17 - 25	38	120	34.7	63.6	3.4 - 5.0 - 7.6	63	72	61	56	81	87		
290	0.180	0.330	13 - 19 - 26	41	137	44.8	82.2	3.8 - 5.7 - 8.1	64	75	64	59	86	92			
1" Slot Width 8" Oval Inlet	2'	75	0.021	0.025	5 - 10 - 23	19	35	5.2	6.1	1.4 - 3.2 - 7.0	53	43	34	35	25	18	
		115	0.049	0.058	11 - 18 - 35	29	54	12.1	14.4	3.3 - 5.4 - 10.8	56	52	45	44	41	35	
		135	0.067	0.080	14 - 21 - 39	33	64	16.7	19.9	4.2 - 6.3 - 12.0	57	55	48	48	47	41	
		175	0.113	0.134	18 - 27 - 45	39	83	28.1	33.4	5.5 - 8.2 - 13.6	59	60	54	53	57	52	
	195	0.140	0.166	20 - 30 - 47	41	92	34.9	41.4	6.1 - 9.1 - 14.4	60	63	57	56	61	56		
	4'	90	0.012	0.018	2 - 5 - 13	12	42	3.0	4.4	0.7 - 1.6 - 4.0	53	44	32	31	27	26	
		160	0.038	0.055	7 - 12 - 20	26	76	9.4	13.8	2.3 - 3.5 - 6.0	58	56	45	44	49	49	
		195	0.056	0.082	9 - 14 - 22	31	92	13.9	20.5	2.9 - 4.3 - 6.6	59	60	50	48	57	57	
		265	0.103	0.152	13 - 18 - 25	38	125	25.7	37.8	3.9 - 5.4 - 7.7	61	66	57	54	69	69	
	300	0.132	0.194	15 - 19 - 27	41	142	33.0	48.4	4.4 - 5.8 - 8.2	62	68	60	57	73	74		
	5'	100	0.012	0.019	2 - 5 - 13	11	47	3.0	4.7	0.6 - 1.4 - 3.9	54	46	32	31	30	30	
		190	0.043	0.068	8 - 12 - 21	27	90	10.7	16.9	2.3 - 3.7 - 6.5	58	58	47	45	54	56	
235		0.066	0.104	10 - 15 - 24	32	111	16.3	25.8	3.1 - 4.6 - 7.2	60	63	52	49	62	64		
325		0.125	0.198	14 - 20 - 28	39	153	31.2	49.4	4.3 - 6.0 - 8.5	62	69	60	56	75	78		
370	0.163	0.257	16 - 21 - 30	42	175	40.5	64.0	4.9 - 6.4 - 9.1	63	72	63	59	80	83			
1" Slot Width 10" Oval Inlet	2'	90	0.029	0.032	7 - 14 - 28	20	42	7.2	7.9	2.0 - 4.2 - 8.4	53	42	34	36	21	12	
		140	0.070	0.077	14 - 22 - 40	31	66	17.4	19.2	4.4 - 6.6 - 12.2	56	51	45	45	38	30	
		165	0.097	0.107	17 - 25 - 44	35	78	24.2	26.6	5.1 - 7.7 - 13.3	57	54	49	49	45	36	
		215	0.165	0.182	22 - 33 - 50	41	101	41.0	45.2	6.7 - 10.1 - 15.1	59	59	55	54	55	47	
	240	0.205	0.226	25 - 37 - 53	43	113	51.1	56.3	7.5 - 11.2 - 16.0	60	62	57	57	59	51		
	4'	100	0.011	0.015	3 - 7 - 15	12	47	2.8	3.7	0.9 - 2.0 - 4.4	52	41	30	30	21	17	
		180	0.036	0.048	9 - 13 - 21	26	85	9.1	12.0	2.6 - 4.0 - 6.3	57	53	44	43	43	40	
		220	0.054	0.072	11 - 16 - 23	31	104	13.5	17.9	3.2 - 4.9 - 7.0	58	57	49	47	51	48	
		300	0.101	0.134	15 - 19 - 27	38	142	25.1	33.3	4.4 - 5.8 - 8.2	60	63	56	54	63	61	
	340	0.130	0.172	16 - 20 - 29	41	160	32.3	42.7	5.0 - 6.2 - 8.7	61	66	59	56	68	66		
	5'	110	0.010	0.015	3 - 6 - 14	-	52	2.6	3.7	0.8 - 1.7 - 4.3	53	42	30	30	23	21	
		210	0.038	0.054	9 - 14 - 23	26	99	9.4	13.4	2.8 - 4.1 - 6.9	57	55	45	44	48	47	
260		0.058	0.083	11 - 17 - 25	31	123	14.5	20.6	3.4 - 5.1 - 7.6	59	59	50	48	56	55		
360		0.111	0.158	16 - 21 - 30	39	170	27.7	39.4	4.7 - 6.3 - 9.0	61	66	58	55	69	68		
410	0.145	0.205	18 - 22 - 31	42	193	36.0	51.2	5.4 - 6.8 - 9.6	62	69	61	58	74	74			
1" Slot Width 12" Oval Inlet	4'	150	0.020	0.023	7 - 11 - 19	18	71	5.0	5.8	2.0 - 3.3 - 5.8	52	41	33	34	21	13	
		250	0.056	0.064	12 - 17 - 25	30	118	13.9	16.0	3.7 - 5.3 - 7.5	56	52	45	45	40	33	
		300	0.080	0.093	15 - 19 - 27	34	142	20.0	23.1	4.4 - 5.8 - 8.2	57	55	49	49	47	41	
		400	0.143	0.165	18 - 22 - 31	41	189	35.6	41.0	5.5 - 6.7 - 9.5	60	61	56	55	58	52	
	450	0.181	0.208	19 - 23 - 33	44	212	45.1	51.9	5.8 - 7.1 - 10.0	60	63	59	57	63	57		
	5'	170	0.018	0.022	6 - 11 - 20	17	80	4.4	5.4	1.8 - 3.4 - 6.2	53	43	33	34	24	18	
		280	0.048	0.059	12 - 18 - 26	29	132	12.0	14.6	3.7 - 5.5 - 7.9	57	53	45	45	43	38	
		335	0.069	0.084	14 - 20 - 28	33	158	17.1	20.9	4.4 - 6.1 - 8.7	58	57	49	49	50	45	
		445	0.121	0.148	19 - 23 - 33	40	210	30.2	36.9	5.8 - 7.1 - 10.0	60	62	56	55	61	57	
	500	0.153	0.187	20 - 25 - 35	43	236	38.2	46.6	6.1 - 7.5 - 10.6	61	65	59	57	66	61		

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 3-SLOT, 1" SLOT WIDTH

LINEAR SLOT DIFFUSERS

	Linear Length	IP Data				NC	Metric Data				Octave Band, dB						
		Air Flow	Pressures		Perpendicular Throw		Air Flow	Pressures		Perpendicular Throw							
		CFM	"WG	"WG	ft		L/s	Pa	Pa	m							
1" Slot Width 6" Oval Inlet	2'	75	0.018	0.028	3 - 6 - 19	16	35	4.4	6.9	0.8 - 1.7 - 5.7	55	49	37	36	37	38	
		125	0.050	0.078	7 - 16 - 31	28	59	12.4	19.3	2.1 - 4.8 - 9.6	59	60	49	46	57	58	
		150	0.071	0.112	10 - 19 - 38	33	71	17.8	27.8	3.1 - 5.7 - 11.5	60	63	53	50	64	66	
		200	0.127	0.198	17 - 25 - 48	40	94	31.6	49.4	5.1 - 7.6 - 14.6	62	69	60	57	75	77	
		225	0.161	0.251	19 - 28 - 51	42	106	40.0	62.5	5.7 - 8.6 - 15.5	63	71	63	59	79	82	
	4'	100	0.019	0.037	2 - 4 - 12	13	47	4.8	9.2	0.5 - 1.1 - 3.6	56	52	37	34	43	50	
		180	0.062	0.120	5 - 11 - 21	27	85	15.5	29.9	1.6 - 3.2 - 6.3	60	64	51	47	66	73	
		220	0.093	0.179	8 - 13 - 23	31	104	23.1	44.6	2.3 - 4.0 - 7.0	62	68	55	51	74	81	
		300	0.173	0.333	12 - 18 - 27	39	142	43.0	83.0	3.6 - 5.4 - 8.2	64	74	63	58	86	94	
		340	0.222	0.428	13 - 20 - 29	42	160	55.2	106.6	4.1 - 6.1 - 8.7	65	77	66	60	91	99	
	5'	120	0.025	0.050	2 - 4 - 13	14	57	6.1	12.5	0.5 - 1.1 - 3.9	57	55	39	35	49	57	
		220	0.083	0.169	6 - 12 - 23	28	104	20.6	42.1	1.7 - 3.5 - 7.0	62	67	53	48	72	82	
		270	0.124	0.255	8 - 14 - 26	33	127	31.0	63.4	2.5 - 4.4 - 7.8	63	71	58	53	80	90	
		370	0.234	0.478	13 - 20 - 30	40	175	58.2	119.1	4.0 - 6.0 - 9.1	65	78	65	60	92	103	
		420	0.301	0.616	15 - 22 - 32	43	198	75.0	153.5	4.5 - 6.8 - 9.7	66	80	68	62	97	108	
1" Slot Width 8" Oval Inlet	2'	80	0.013	0.017	3 - 6 - 20	14	38	3.3	4.4	0.9 - 2.0 - 6.1	53	43	32	32	24	21	
		140	0.040	0.054	9 - 18 - 35	27	66	10.0	13.3	2.7 - 5.3 - 10.7	57	54	45	44	46	43	
		170	0.059	0.079	13 - 21 - 43	32	80	14.7	19.7	3.9 - 6.5 - 13.0	58	58	50	48	53	51	
		230	0.108	0.145	19 - 29 - 51	39	109	26.9	36.0	5.9 - 8.8 - 15.6	61	64	57	55	65	63	
		260	0.138	0.185	22 - 33 - 55	42	123	34.4	46.0	6.6 - 9.9 - 16.6	62	67	60	57	70	68	
	4'	125	0.016	0.027	2 - 6 - 15	14	59	4.0	6.6	0.8 - 1.7 - 4.5	55	49	36	34	37	39	
		225	0.052	0.086	8 - 13 - 23	28	106	12.8	21.5	2.4 - 4.1 - 7.1	59	61	49	46	60	63	
		275	0.077	0.129	11 - 16 - 26	33	130	19.2	32.2	3.3 - 5.0 - 7.8	61	65	54	51	67	71	
		375	0.143	0.240	15 - 21 - 30	40	177	35.7	59.8	4.5 - 6.5 - 9.2	63	71	61	57	79	83	
		425	0.184	0.309	17 - 23 - 32	43	201	45.8	76.8	5.1 - 6.9 - 9.7	64	74	64	60	84	88	
	5'	150	0.019	0.035	3 - 6 - 16	15	71	4.8	8.7	0.8 - 1.8 - 4.8	56	52	38	35	42	47	
		260	0.058	0.105	8 - 14 - 25	28	123	14.6	26.2	2.3 - 4.2 - 7.6	60	63	51	47	64	69	
		315	0.086	0.154	11 - 17 - 28	32	149	21.4	38.4	3.4 - 5.1 - 8.4	62	67	55	51	71	77	
		425	0.156	0.281	15 - 23 - 32	39	201	38.9	69.9	4.6 - 6.8 - 9.7	64	73	62	58	83	89	
		480	0.199	0.358	17 - 24 - 34	42	227	49.6	89.2	5.2 - 7.3 - 10.4	65	75	65	60	87	94	
1" Slot Width 10" Oval Inlet	2'	100	0.017	0.021	4 - 10 - 25	17	47	4.2	5.1	1.4 - 3.1 - 7.6	53	42	33	33	23	16	
		160	0.043	0.053	12 - 20 - 40	28	76	10.8	13.1	3.5 - 6.1 - 12.2	56	52	44	44	41	35	
		190	0.061	0.074	16 - 24 - 47	32	90	15.2	18.5	4.8 - 7.3 - 14.2	57	55	48	47	47	42	
		250	0.106	0.128	21 - 31 - 54	38	118	26.3	32.0	6.4 - 9.6 - 16.3	59	61	54	53	58	53	
		280	0.133	0.161	23 - 35 - 57	41	132	33.0	40.1	7.1 - 10.7 - 17.3	60	63	57	55	62	58	
	4'	150	0.016	0.024	4 - 8 - 18	16	71	4.0	6.0	1.1 - 2.4 - 5.4	55	48	35	34	34	33	
		250	0.044	0.067	10 - 15 - 25	28	118	11.1	16.7	3.0 - 4.5 - 7.5	58	58	48	45	53	54	
		300	0.064	0.097	12 - 18 - 27	32	142	15.9	24.1	3.6 - 5.4 - 8.2	60	62	52	49	60	61	
		400	0.114	0.172	16 - 22 - 31	39	189	28.3	42.8	4.8 - 6.7 - 9.5	62	67	59	55	71	73	
		450	0.144	0.217	18 - 23 - 33	42	212	35.9	54.1	5.4 - 7.1 - 10.0	63	70	61	58	76	78	
	5'	170	0.017	0.027	3 - 7 - 18	15	80	4.2	6.8	1.0 - 2.2 - 5.5	55	49	36	35	37	39	
		290	0.049	0.079	10 - 15 - 26	28	137	12.2	19.7	2.9 - 4.7 - 8.1	59	60	49	46	58	60	
		350	0.071	0.116	12 - 19 - 29	32	165	17.7	28.8	3.8 - 5.6 - 8.8	60	64	53	50	65	68	
		470	0.128	0.208	17 - 24 - 34	39	222	31.9	51.9	5.0 - 7.2 - 10.3	63	70	60	56	76	79	
		530	0.163	0.265	19 - 25 - 36	42	250	40.6	66.0	5.7 - 7.7 - 10.9	63	72	63	59	81	84	
1" Slot Width 12" Oval Inlet	4'	200	0.019	0.024	6 - 12 - 22	18	94	4.7	6.0	1.9 - 3.6 - 6.7	54	46	36	36	29	25	
		320	0.048	0.062	13 - 19 - 28	29	151	12.0	15.4	3.8 - 5.8 - 8.5	57	55	47	46	47	44	
		380	0.068	0.087	15 - 21 - 30	33	179	16.9	21.7	4.6 - 6.5 - 9.2	59	58	51	49	54	50	
		500	0.117	0.151	20 - 25 - 35	40	236	29.2	37.6	6.0 - 7.5 - 10.6	61	64	57	55	64	62	
		560	0.147	0.190	21 - 26 - 37	43	264	36.7	47.2	6.5 - 7.9 - 11.2	61	66	60	58	69	66	
	5'	220	0.017	0.024	6 - 12 - 23	17	104	4.3	5.9	1.7 - 3.5 - 7.0	54	47	36	35	31	29	
		350	0.043	0.060	12 - 19 - 29	28	165	10.8	14.9	3.8 - 5.6 - 8.8	58	56	46	45	49	47	
		415	0.061	0.084	15 - 22 - 32	32	196	15.2	21.0	4.5 - 6.7 - 9.6	59	59	51	49	56	54	
		545	0.105	0.145	19 - 26 - 36	39	257	26.2	36.1	5.9 - 7.8 - 11.0	61	65	57	54	66	65	
		610	0.132	0.182	22 - 27 - 38	41	288	32.8	45.3	6.6 - 8.3 - 11.7	62	67	60	57	71	70	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

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1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 4-SLOT, 1" SLOT WIDTH

	Linear Length	IP Data					NC	Metric Data				Octave Band, dB					
		Air Flow	Pressures		Perpendicular Throw	Air Flow		Pressures		Perpendicular Throw							
			Ps	Pt				Ps	Pt		Ps	Pt	ft	m			
		CFM	"WG	"WG	ft	L/s		Pa	Pa	m	2	3	4	5	6	7	
1" Slot Width 6" Oval Inlet	2'	70	0.012	0.021	1 - 3 - 13	-	33	3.1	5.2	0.4 - 1.0 - 3.9	54	47	32	31	32	35	
		140	0.049	0.084	6 - 13 - 30	27	66	12.2	20.9	1.7 - 3.9 - 9.3	59	61	49	46	59	63	
		175	0.077	0.131	9 - 19 - 38	32	83	19.1	32.7	2.7 - 5.8 - 11.6	61	65	54	51	68	72	
		245	0.150	0.257	18 - 27 - 53	40	116	37.4	64.1	5.3 - 8.1 - 16.2	63	72	62	58	81	85	
	280	0.196	0.336	20 - 30 - 57	43	132	48.8	83.7	6.2 - 9.3 - 17.3	64	75	65	61	86	91		
	4'	115	0.022	0.046	1 - 3 - 12	12	54	5.5	11.3	0.4 - 0.9 - 3.6	57	54	37	34	47	56	
		215	0.077	0.159	5 - 11 - 22	26	101	19.1	39.6	1.5 - 3.3 - 6.7	61	67	52	47	71	81	
		265	0.116	0.242	7 - 14 - 25	31	125	29.0	60.2	2.2 - 4.1 - 7.7	63	71	57	52	79	89	
		365	0.221	0.459	12 - 19 - 30	39	172	55.0	114.2	3.8 - 5.7 - 9.0	65	77	64	59	91	102	
	415	0.285	0.593	14 - 21 - 32	42	196	71.0	147.7	4.3 - 6.5 - 9.6	66	80	68	61	96	107		
	5'	125	0.024	0.052	1 - 3 - 10	-	59	5.9	12.8	0.4 - 0.8 - 3.2	57	55	37	33	49	59	
		235	0.083	0.182	4 - 9 - 22	25	111	20.8	45.3	1.2 - 2.8 - 6.6	62	68	52	47	73	84	
290		0.127	0.277	6 - 13 - 26	30	137	31.6	69.0	1.9 - 4.0 - 8.1	63	72	57	51	81	93		
400		0.241	0.527	12 - 18 - 31	38	189	60.1	131.3	3.6 - 5.6 - 9.5	66	78	64	58	93	106		
455	0.312	0.682	14 - 21 - 33	41	215	77.8	169.9	4.2 - 6.3 - 10.1	66	81	67	61	98	111			
1" Slot Width 8" Oval Inlet	2'	90	0.012	0.018	2 - 5 - 20	12	42	3.0	4.4	0.7 - 1.6 - 6.0	53	44	32	31	27	26	
		170	0.043	0.062	8 - 19 - 37	27	80	10.6	15.5	2.6 - 5.6 - 11.3	58	57	47	45	51	51	
		210	0.065	0.095	13 - 23 - 46	32	99	16.2	23.7	3.9 - 6.9 - 13.9	60	61	52	49	60	60	
		290	0.124	0.182	21 - 32 - 58	40	137	30.8	45.3	6.4 - 9.6 - 17.6	62	68	59	56	72	73	
	330	0.160	0.235	24 - 36 - 62	43	156	39.9	58.6	7.3 - 10.9 - 18.7	63	70	62	59	77	78		
	4'	140	0.016	0.030	2 - 5 - 14	12	66	4.0	7.4	0.6 - 1.4 - 4.4	55	50	35	33	39	44	
		260	0.056	0.103	7 - 13 - 25	27	123	14.0	25.6	2.1 - 4.1 - 7.6	60	63	50	46	63	69	
		320	0.085	0.156	11 - 16 - 28	32	151	21.1	38.7	3.2 - 5.0 - 8.5	62	67	55	51	71	77	
		440	0.161	0.294	15 - 23 - 33	39	208	40.0	73.2	4.6 - 6.9 - 9.9	64	73	62	58	83	90	
	500	0.207	0.380	17 - 25 - 35	42	236	51.6	94.5	5.2 - 7.5 - 10.6	65	76	65	60	88	95		
	5'	160	0.019	0.036	2 - 4 - 15	12	76	4.6	9.0	0.6 - 1.3 - 4.5	56	52	36	34	43	49	
		300	0.065	0.127	7 - 14 - 27	27	142	16.3	31.7	2.0 - 4.2 - 8.2	61	65	51	47	67	75	
370		0.099	0.194	10 - 17 - 30	32	175	24.7	48.2	3.1 - 5.2 - 9.1	62	69	56	51	75	83		
510		0.189	0.368	16 - 23 - 35	39	241	47.0	91.7	4.7 - 7.1 - 10.7	65	75	64	58	88	96		
580	0.244	0.476	18 - 26 - 37	42	274	60.8	118.5	5.4 - 8.1 - 11.4	66	78	67	61	93	101			
1" Slot Width 10" Oval Inlet	2'	100	0.011	0.015	3 - 7 - 22	12	47	2.8	3.7	0.9 - 2.0 - 6.6	52	41	30	30	21	17	
		190	0.041	0.054	11 - 21 - 41	27	90	10.1	13.3	3.2 - 6.3 - 12.6	57	54	45	44	46	43	
		235	0.062	0.082	16 - 26 - 51	32	111	15.4	20.4	4.9 - 7.8 - 15.6	59	58	50	49	54	51	
		325	0.119	0.157	24 - 35 - 61	40	153	29.5	39.1	7.2 - 10.8 - 18.6	61	65	58	56	66	64	
	370	0.154	0.203	27 - 40 - 65	43	175	38.3	50.6	8.2 - 12.2 - 19.8	62	67	61	58	71	69		
	4'	160	0.014	0.023	3 - 6 - 16	13	76	3.5	5.8	0.8 - 1.8 - 5.0	55	48	34	33	34	36	
		300	0.050	0.082	9 - 15 - 27	28	142	12.3	20.5	2.8 - 4.7 - 8.2	59	61	49	46	58	61	
		370	0.075	0.125	13 - 19 - 30	33	175	18.8	31.1	3.8 - 5.8 - 9.1	61	65	54	51	67	70	
		510	0.143	0.237	17 - 25 - 35	40	241	35.6	59.1	5.3 - 7.6 - 10.7	63	71	61	57	79	83	
	580	0.185	0.307	20 - 26 - 37	43	274	46.1	76.5	6.0 - 8.1 - 11.4	64	74	65	60	84	88		
	5'	180	0.015	0.027	2 - 5 - 17	12	85	3.8	6.7	0.7 - 1.6 - 5.0	55	49	35	33	37	41	
		340	0.054	0.096	9 - 16 - 29	27	160	13.4	23.8	2.6 - 4.7 - 8.7	60	62	50	46	62	67	
420		0.082	0.146	13 - 19 - 32	32	198	20.5	36.4	3.9 - 5.9 - 9.7	61	66	55	51	70	75		
580		0.157	0.279	18 - 26 - 37	40	274	39.0	69.4	5.4 - 8.1 - 11.4	64	73	62	58	82	88		
660	0.203	0.361	20 - 28 - 40	43	311	50.5	89.8	6.1 - 8.6 - 12.1	65	75	65	61	87	93			
1" Slot Width 12" Oval Inlet	4'	200	0.013	0.019	4 - 9 - 21	14	94	3.3	4.6	1.3 - 2.8 - 6.2	53	44	33	32	27	25	
		360	0.043	0.060	12 - 18 - 30	28	170	10.6	15.0	3.7 - 5.6 - 9.0	58	56	47	45	50	49	
		440	0.064	0.090	15 - 23 - 33	32	208	15.8	22.3	4.6 - 6.9 - 9.9	59	60	51	49	57	57	
		600	0.118	0.167	21 - 27 - 38	40	283	29.5	41.5	6.2 - 8.2 - 11.6	61	66	59	56	69	69	
	680	0.152	0.214	23 - 29 - 41	43	321	37.8	53.4	7.1 - 8.7 - 12.3	62	69	62	59	74	74		
	5'	225	0.013	0.020	4 - 8 - 21	13	106	3.3	5.0	1.1 - 2.6 - 6.3	54	46	33	32	30	30	
		405	0.043	0.065	12 - 19 - 31	27	191	10.6	16.1	3.7 - 5.7 - 9.5	58	58	47	45	53	53	
		495	0.064	0.097	15 - 23 - 35	32	234	15.9	24.1	4.6 - 6.9 - 10.5	60	62	52	49	61	61	
		675	0.119	0.180	21 - 29 - 40	39	319	29.5	44.8	6.3 - 8.7 - 12.3	62	68	59	56	72	74	
	765	0.152	0.231	23 - 30 - 43	42	361	37.9	57.6	7.1 - 9.2 - 13.1	63	70	62	59	77	79		

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2-7 sound power levels minus a room absorption of 10dB, re 10⁻¹² 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. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

LINEAR SLOT DIFFUSERS

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