

## SERIES 7500 PERFORMANCE DATA

Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.006	.010	.016	.022	.031	.040	.062	.090	
12 x 12	6	CFM	60	80	100	120	135	155	195	235	
		Pt	.011	.019	.030	.043	.054	.072	.114	.165	
		NC	<15	<15	<15	17	21	25	31	36	
		Throw	4-Way*	1-2-3	1-2-5	2-3-5	2-3-6	3-4-6	3-4-6	4-5-7	5-6-8
			4-Way	1-2-4	1-2-5	2-3-6	2-4-6	3-4-7	3-5-7	4-6-8	5-6-9
			3-Way	1-2-4	1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-6-8	5-6-9
			2-Way	1-2-5	2-3-5	3-4-6	3-5-6	4-5-7	4-5-7	5-6-8	5-6-9
	1-Way		1-2-5	2-3-5	3-4-6	3-5-7	4-5-7	4-5-8	5-6-8	5-7-9	
	8	CFM	105	140	175	210	245	280	350	420	
		Pt	.015	.027	.043	.061	.083	.109	.170	.245	
		NC	<15	<15	<15	20	25	30	37	43	
		Throw	4-Way*	1-2-5	2-3-6	3-4-7	3-5-7	4-5-8	4-6-9	5-7-10	6-7-11
			4-Way	1-2-5	2-3-6	3-4-7	3-5-8	4-6-9	4-6-9	5-7-11	6-8-12
			3-Way	1-2-5	2-4-7	3-5-8	4-5-8	4-6-9	5-7-10	6-8-11	7-8-12
2-Way			2-3-6	3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	6-8-11	7-9-12	
1-Way	2-3-6		3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	7-8-11	7-9-12		
24 x 24	6	CFM	60	80	100	120	135	155	195	235	
		Pt	.010	.019	.029	.042	.053	.070	.110	.160	
		NC	<15	<15	<15	17	21	25	31	36	
		Throw	4-Way*	1-2-4	1-2-5	2-3-5	2-4-6	3-4-6	3-5-7	4-5-8	5-6-8
			4-Way	1-2-4	1-3-5	2-3-6	3-4-7	3-4-7	3-5-7	4-6-8	5-6-9
			3-Way	1-2-4	1-3-5	2-4-6	3-4-7	3-5-7	4-5-8	5-6-8	5-7-9
			2-Way	1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-5-8	5-6-9	5-7-9
	1-Way		1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-6-8	5-6-9	6-7-10	
	8	CFM	105	140	175	210	245	280	350	420	
		Pt	.016	.028	.043	.063	.085	.111	.174	.250	
		NC	<15	<15	<15	20	25	30	37	43	
		Throw	4-Way*	1-2-5	2-3-6	3-4-7	3-5-8	4-6-9	4-6-9	5-7-10	6-8-11
			4-Way	1-2-5	2-3-7	3-4-8	3-5-9	4-6-9	4-7-10	6-8-11	7-9-12
			3-Way	1-2-6	2-4-7	3-5-8	4-6-9	4-7-10	5-7-10	6-8-11	7-9-12
2-Way			2-3-6	3-5-7	4-6-8	5-6-9	5-7-10	6-7-10	7-8-12	7-9-13	
1-Way	2-3-7		3-5-8	4-6-8	5-7-9	5-7-10	6-8-11	7-8-12	8-9-13		

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## SERIES 7500 PERFORMANCE DATA

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Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.006	.010	.016	.022	.031	.040	.062	.090	
24 x 24	10	CFM	165	220	275	325	380	435	545	655	
		Pt	.023	.041	.064	.090	.123	.161	.252	.365	
		NC	<15	<15	15	22	28	33	42	48	
		Throw	4-Way*	1-3-6	2-4-8	3-5-9	4-6-10	5-7-11	5-8-11	7-9-13	8-10-14
			4-Way	1-3-6	2-4-8	3-5-10	4-6-11	5-7-12	5-8-12	7-10-14	8-11-15
			3-Way	1-3-7	2-5-9	3-6-10	5-7-1	5-8-12	6-9-13	8-10-14	9-11-16
			2-Way	2-4-8	4-6-9	5-7-10	6-8-11	7-9-12	7-9-13	8-10-14	9-11-16
	1-Way		2-4-8	4-6-9	5-7-11	6-8-11	7-9-12	7-9-13	9-11-15	9-12-16	
	12	CFM	235	315	395	470	550	630	785	940	
		Pt	.025	.044	.070	.099	.135	.177	.275	.395	
		NC	<15	<15	17	24	31	37	45	52	
		Throw	4-Way*	1-3-7	3-5-10	4-6-11	5-7-12	6-8-13	6-10-14	8-11-15	10-12-17
			4-Way	1-3-7	3-5-10	4-6-12	5-7-13	6-9-14	7-10-15	8-12-17	10-13-18
			3-Way	1-3-8	3-6-11	4-7-12	6-8-13	7-10-14	8-11-15	9-12-17	11-13-19
			2-Way	3-5-9	5-7-11	6-8-12	7-9-13	8-10-15	9-11-16	10-12-17	11-13-19
	1-Way		3-5-10	5-7-11	6-8-13	7-10-14	8-11-15	9-11-16	10-13-18	11-14-20	
	14	CFM	320	430	535	640	750	855	1070	1285	
		Pt	.033	.059	.091	.131	.179	.233	.365	.527	
		NC	<15	<15	18	27	34	41	50	56	
		Throw	4-Way*	2-4-8	3-6-11	5-7-13	6-8-14	7-10-15	7-11-16	9-13-18	11-14-20
			4-Way	2-4-9	3-6-12	5-7-14	6-8-15	7-10-16	8-12-17	10-14-19	12-15-21
			3-Way	2-4-10	3-7-13	5-8-14	7-10-15	8-12-17	9-13-18	11-14-20	13-15-22
			2-Way	3-6-11	5-8-13	7-10-14	8-11-16	9-12-17	10-13-18	12-14-20	13-16-22
	1-Way		3-6-11	5-8-13	7-10-15	8-11-16	9-12-17	10-13-19	12-15-21	13-16-23	
16	CFM	420	560	700	840	975	1115	1395	1675		
	Pt	.040	.071	.110	.159	.214	.280	.438	.631		
	NC	<15	<15	20	29	36	43	52	60		
	Throw	4-Way*	2-4-10	4-6-13	5-8-14	6-10-16	7-11-17	8-13-18	11-14-20	13-16-22	
		4-Way	2-4-10	3-7-13	5-8-16	7-10-17	8-12-19	9-13-20	11-16-22	13-17-24	
		3-Way	2-4-11	3-8-14	5-9-16	8-11-18	9-13-19	10-14-20	13-16-23	14-18-25	
		2-Way	4-7-13	6-9-15	8-11-16	9-13-18	10-14-19	12-15-21	13-16-23	15-18-25	
1-Way		4-7-13	6-9-15	8-11-17	9-13-18	10-14-20	12-15-21	14-17-24	15-18-26		

## SERIES 7550 PERFORMANCE DATA

Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.006	.010	.016	.022	.031	.040	.062	.090	
12 x 12	6 x 6	CFM	75	100	125	150	175	200	250	300	
		Pt	.013	.023	.036	.052	.071	.093	.145	.209	
		NC	<15	<15	<15	19	25	29	36	41	
		Throw	4-Way*	1-2-4	1-3-5	2-3-6	3-4-6	3-4-7	3-5-7	4-6-8	5-6-9
			4-Way	1-2-4	1-3-5	2-3-6	3-4-7	3-5-7	4-5-8	4-6-9	5-7-10
			3-Way	1-2-5	1-3-6	2-4-6	3-5-7	4-5-8	4-6-8	5-6-9	6-7-10
			2-Way	1-3-5	2-4-6	3-5-7	4-5-7	4-6-8	5-6-8	5-7-9	6-7-10
	1-Way		2-3-5	2-4-6	3-5-7	4-5-7	4-6-8	5-6-9	6-7-10	6-7-10	
	8 x 8	CFM	135	180	220	265	310	355	445	535	
		Pt	.017	.031	.046	.067	.092	.121	.190	.275	
		NC	<15	<15	<15	20	27	32	39	45	
		Throw	4-Way*	1-2-5	2-3-7	3-4-8	3-5-8	4-6-9	5-7-10	6-8-11	7-8-12
			4-Way	1-2-5	2-4-7	3-4-8	4-5-9	4-6-10	5-7-11	6-8-12	7-9-13
			3-Way	1-2-6	2-4-8	3-5-9	4-6-9	5-7-10	5-8-11	7-9-12	8-9-13
2-Way			2-4-7	3-5-8	4-6-9	5-7-10	6-7-10	6-8-11	7-9-12	8-10-14	
1-Way	2-4-7		3-5-8	4-6-9	5-7-10	6-8-11	6-8-11	7-9-13	8-10-14		

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## SERIES 7550 PERFORMANCE DATA

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Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.006	.010	.016	.022	.031	.040	.062	.090	
24 x 24	6 x 6	CFM	75	100	125	150	175	200	250	300	
		Pt	.013	.023	.036	.052	.071	.093	.145	.209	
		NC	<15	<15	<15	19	25	29	36	41	
		Throw	4-Way*	1-2-4	1-3-5	2-3-6	3-4-7	3-5-7	4-5-8	5-6-9	5-7-9
			4-Way	1-2-4	1-3-6	2-4-7	3-4-7	3-5-8	4-6-8	5-7-9	6-7-10
			3-Way	1-2-5	1-3-6	2-4-7	3-5-7	4-6-8	4-6-9	5-7-10	6-7-11
			2-Way	2-3-5	3-4-6	3-5-7	4-5-8	4-6-8	5-6-9	6-7-10	6-8-11
	1-Way		2-3-6	3-4-6	3-5-7	4-6-8	4-6-8	5-6-9	6-7-10	6-8-11	
	8 x 8	CFM	135	180	220	265	310	355	445	535	
		Pt	.017	.031	.046	.067	.092	.121	.190	.275	
		NC	<15	<15	<15	20	27	32	39	45	
		Throw	4-Way*	1-3-5	2-4-7	3-4-8	4-5-9	4-6-10	5-7-10	5-8-11	7-9-13
			4-Way	1-2-6	2-4-8	3-5-9	4-6-10	4-7-10	5-7-11	6-9-13	7-10-14
			3-Way	1-2-6	2-4-8	3-5-9	4-6-10	5-7-11	6-8-11	7-9-13	8-10-14
			2-Way	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	7-8-12	8-9-13	8-10-14
	1-Way		2-4-7	3-5-9	4-6-9	5-7-10	6-8-11	7-8-12	8-9-13	8-10-15	
	10 x 10	CFM	210	280	345	415	485	555	695	835	
		Pt	.023	.040	.061	.088	.120	.158	.247	.357	
		NC	<15	<15	15	22	29	34	42	47	
		Throw	4-Way*	1-3-7	3-5-9	4-6-10	4-7-11	5-8-12	6-9-13	8-10-14	9-11-16
			4-Way	1-3-7	2-5-9	4-6-11	5-7-12	5-8-13	6-9-14	8-11-16	9-12-17
			3-Way	1-3-8	2-5-10	4-7-11	5-8-12	6-9-13	7-10-14	9-11-16	10-12-18
			2-Way	3-5-9	4-6-10	5-8-12	6-9-13	7-10-14	8-10-15	9-12-16	10-13-18
	1-Way		3-5-9	4-6-11	5-8-12	6-9-13	7-10-14	8-11-15	10-12-17	11-13-18	
12 x 12	CFM	300	400	500	600	700	800	1000	1200		
	Pt	.023	.040	.063	.090	.123	.160	.250	.360		
	NC	<15	<15	15	23	30	35	44	50		
	Throw	4-Way*	2-4-8	3-5-11	5-7-12	5-8-13	6-9-14	7-11-15	9-12-17	11-13-19	
		4-Way	2-4-8	3-6-11	4-7-13	6-8-15	7-10-16	7-11-17	9-13-19	11-15-21	
		3-Way	2-4-10	3-6-12	4-8-14	6-10-15	7-11-16	9-12-17	11-14-19	12-15-21	
		2-Way	3-6-11	5-8-12	6-10-14	8-11-15	9-12-16	10-12-18	11-14-20	12-15-21	
1-Way		3-6-11	5-8-13	6-10-14	8-11-16	9-12-17	10-13-18	12-14-20	13-16-22		
14 x 14	CFM	410	545	680	815	955	1090	1360	1635		
	Pt	.023	.041	.064	.092	.126	.164	.255	.369		
	NC	<15	<15	16	24	31	37	46	51		
	Throw	4-Way*	2-4-9	3-6-13	5-8-14	6-9-16	7-11-17	8-13-18	10-14-20	13-16-22	
		4-Way	2-4-10	3-7-13	5-8-15	7-10-17	8-11-18	9-13-20	11-15-22	13-17-24	
		3-Way	2-4-11	3-7-14	5-9-16	7-11-17	9-13-19	10-14-20	12-16-22	14-17-25	
		2-Way	4-7-13	6-9-14	7-11-16	9-13-18	10-14-19	12-14-20	13-16-23	14-18-25	
1-Way		4-7-13	6-9-15	7-11-17	9-13-18	10-14-20	12-15-21	14-17-23	15-18-26		
16" x 16"	CFM	535	710	890	1065	1245	1420	1780	2135		
	Pt	.026	.046	.073	.104	.143	.186	.291	.419		
	NC	<15	<15	16	24	33	39	49	53		
	Throw	4-Way*	2-5-11	4-7-14	6-9-16	7-11-18	8-13-19	10-14-21	12-16-23	14-18-25	
		4-Way	2-5-11	4-7-15	6-9-18	7-11-19	9-13-21	10-15-22	12-18-25	15-19-27	
		3-Way	2-5-13	4-9-16	6-11-18	9-13-20	10-15-21	11-16-23	14-18-26	16-20-28	
		2-Way	4-8-14	7-10-17	8-13-18	10-14-20	12-15-22	13-17-23	15-18-26	17-20-29	
1-Way		4-8-15	7-10-17	8-13-19	10-15-21	12-16-22	13-17-24	16-19-27	17-21-29		

## SERIES 7500R PERFORMANCE DATA

### MODEL 7500R

Neck Size	Duct Area ft <sup>2</sup>	fpm Neck Velocity	300	400	500	600	700	800	900	1000
		Ps	-0.23	-0.41	-0.64	-0.92	-1.26	-1.65	-2.09	-2.59
06"	.19	CFM	60	80	100	115	135	155	175	195
		NC	-	-	-	-	-	13	16	19
08"	.35	CFM	105	140	175	210	245	280	315	350
		NC	-	-	-	14	18	21	24	27
10"	.55	CFM	165	220	270	325	380	435	490	545
		NC	-	-	-	14	18	21	24	27
12"	.79	CFM	235	315	390	470	550	630	705	785
		NC	-	-	12	16	20	24	27	29
14"	1.07	CFM	320	425	535	640	750	855	960	1070
		NC	-	-	14	19	23	26	29	32
16"	1.40	CFM	420	560	700	835	975	1115	1255	1395
		NC	-	12	16	21	25	28	31	34
18"	1.77	CFM	520	700	870	1045	1220	1395	1570	1740
		NC	12	16	18	23	25	29	33	36

## SERIES 7550R PERFORMANCE DATA

### MODEL 7550R

Neck Size	Duct Area ft <sup>2</sup>	fpm Neck Velocity	300	400	500	600	700	800	900	1000	1100
		Ps	-0.23	-0.41	-0.64	-0.92	-1.26	-1.65	-2.09	-2.59	-3.14
06 x 06	.25	CFM	58	77	96	116	135	154	173	192	212
		NC	-	-	13	16	18	21	22	24	25
08 x 08	.44	CFM	112	149	186	223	260	297	334	371	409
		NC	-	13	16	19	21	24	25	27	28
10 x 10	.69	CFM	178	237	296	355	414	473	532	591	651
		NC	-	15	18	21	23	25	27	29	30
12 x 12	1.00	CFM	265	353	441	529	617	705	793	881	970
		NC	12	16	20	23	25	27	29	31	32
14 x 14	1.36	CFM	366	488	510	732	854	975	1097	1219	1341
		NC	13	18	21	24	26	28	30	32	33
16 x 16	1.77	CFM	485	647	808	970	1131	1293	1454	1616	1777
		NC	15	19	22	25	28	30	32	33	35
22 x 22	3.36	CFM	942	1258	1589	1883	2196	2510	2823	3137	3450
		NC	17	22	25	28	31	33	34	36	38

### PERFORMANCE NOTES FOR SERIES 7550R

All data is tested in accordance with ANSI/ASHRAE 70-2006.

#### DEFINITION OF UNITS

CFM Cubic Feet Per Minute (air)

Nk Vel Neck Velocity of air stream in Feet Per Minute

Ps Negative Static Pressure (inches of water column)

NC Noise criterion, sound pressure level. NC ratings are based on sound power level (Lw) re: 10E-12 watts minus a 10dB room attenuation in all octave bands.