

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	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
			3-Way	1-2-4	1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-6-8
			2-Way	1-2-5	2-3-5	3-4-6	3-5-6	4-5-7	4-5-7	5-6-8
			1-Way	1-2-5	2-3-5	3-4-6	3-5-7	4-5-7	4-5-8	5-6-8
	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	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
			3-Way	1-2-5	2-4-7	3-5-8	4-5-8	4-6-9	5-7-10	6-8-11
			2-Way	2-3-6	3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	6-8-11
			1-Way	2-3-6	3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	7-8-11
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
			4-Way	1-2-4	1-3-5	2-3-6	3-4-7	3-4-7	3-5-7	4-6-8
			3-Way	1-2-4	1-3-5	2-4-6	3-4-7	3-5-7	4-5-8	5-6-8
			2-Way	1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-5-8	5-6-9
			1-Way	1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-6-8	5-6-9
	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
			4-Way	1-2-5	2-3-7	3-4-8	3-5-9	4-6-9	4-7-10	6-8-11
			3-Way	1-2-6	2-4-7	3-5-8	4-6-9	4-7-10	5-7-10	6-8-11
			2-Way	2-3-6	3-5-7	4-6-8	5-6-9	5-7-10	6-7-10	7-8-12
			1-Way	2-3-7	3-5-8	4-6-8	5-7-9	5-7-10	6-8-11	7-8-12

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
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
			4-Way	1-2-4	1-3-5	2-3-6	3-4-7	3-5-7	4-5-8	4-6-9
			3-Way	1-2-5	1-3-6	2-4-6	3-5-7	4-5-8	4-6-8	5-6-9
			2-Way	1-3-5	2-4-6	3-5-7	4-5-7	4-6-8	5-6-8	5-7-9
			1-Way	2-3-5	2-4-6	3-5-7	4-5-7	4-6-8	5-6-9	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
	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
			4-Way	1-2-5	2-4-7	3-4-8	4-5-9	4-6-10	5-7-11	6-8-12
			3-Way	1-2-6	2-4-8	3-5-9	4-6-9	5-7-10	5-8-11	7-9-12
			2-Way	2-4-7	3-5-8	4-6-9	5-7-10	6-7-10	6-8-11	7-9-12
			1-Way	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	6-8-11	7-9-13
			1-Way	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	6-8-11	7-9-13

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
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

PERFORMANCE NOTES FOR SERIES 7500/7550/7600/7650

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

fpm Velocity of air stream in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

Ps Static pressure = $P_t - P_v$ (inches of water column)

Throw Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature);
values are for 150, 100 and 50fpm velocities*

*Throw Isothermal throw (supply air temperature the same as average room temperature);
values are for 150, 100 and 50fpm velocities*

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