

## SERIES 5700 PERFORMANCE DATA

MODEL 5700/5700A

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200	1400	2000
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09	0.122	0.249
12 x 12	6	CFM	80	100	120	135	155	175	195	235	275	395
		Pt	0.021	.033	.048	.061	.080	.102	.127	.184	.253	.521
		Throw*	2-3-6	3-4-7	3-5-7	3-5-8	4-6-8	4-6-9	5-7-9	6-7-10	6-8-11	8-9-13
		Throw	3-4-6	3-5-7	4-5-7	4-6-8	5-6-8	5-6-9	5-7-9	6-7-10	6-8-11	8-10-13
		NC	-	<15	18	20	23	26	28	33	36	44
	8	CFM	140	175	210	245	280	315	350	420	490	700
		Pt	.029	.046	.066	.090	.118	.149	.184	.265	.360	.735
		Throw*	3-4-8	3-5-9	4-6-10	5-7-11	5-8-11	6-8-12	7-9-13	8-10-14	9-11-15	10-13-18
		Throw	3-5-8	4-6-9	5-7-10	6-7-11	7-8-11	7-8-12	7-9-13	8-10-14	9-11-15	10-13-18
		NC	-	<15	19	22	25	28	31	36	40	46
24 x 24	6	CFM	80	100	120	135	155	175	195	235	275	395
		Pt	.014	.021	.031	.039	.051	.065	.081	.118	.161	.332
		Throw*	2-2-5	2-3-5	2-4-6	3-4-6	3-4-6	4-5-7	4-5-7	5-6-8	5-6-8	6-7-10
		Throw	2-4-7	3-5-8	4-6-9	4-6-10	5-7-10	5-8-11	6-8-12	7-9-13	8-10-14	10-12-17
		NC	-	-	-	-	<15	16	18	23	27	43
	8	CFM	140	175	210	245	280	315	350	420	490	700
		Pt	.016	.025	.036	.048	.063	.080	.099	.142	.194	.395
		Throw*	2-3-6	3-4-7	3-5-7	4-6-8	4-6-9	5-6-9	5-7-10	6-7-10	7-8-11	8-10-13
		Throw	3-5-10	4-6-11	5-7-12	6-9-13	6-10-14	7-10-15	8-11-16	10-12-17	11-13-18	13-16-22
		NC	-	-	-	-	<15	18	21	26	30	55

## SERIES 5700 PERFORMANCE DATA MODEL 5700/5700A

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200	1400	2000
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09	0.122	0.249
24 x 24	10	CFM	220	275	325	380	435	490	545	655	765	1090
		Pt	.019	.030	.042	.057	.075	.096	.118	.171	.233	.473
		Throw*	3-4-8	3-5-8	4-6-9	5-7-10	5-8-11	6-8-11	7-8-12	8-9-13	8-10-14	10-12-17
		Throw	4-6-12	5-8-14	6-9-15	7-11-16	8-12-17	9-13-18	10-14-19	12-15-21	13-16-23	16-19-28
		NC	-	-	-	<15	16	20	24	30	35	63
	12	CFM	315	395	470	550	630	705	785	940	1100	1570
		Pt	.021	.033	.046	.063	.083	.104	.129	.185	.253	.515
		Throw*	3-5-9	4-6-10	5-7-11	6-8-12	7-9-13	7-10-14	8-10-14	9-11-16	10-12-17	12-14-20
		Throw	5-7-15	6-9-17	7-11-18	8-13-20	10-15-21	11-16-22	12-17-23	14-18-26	16-20-28	19-23-33
		NC	-	-	-	<15	19	23	27	33	39	68
	14	CFM	430	535	640	750	855	960	1070	1285	1495	2140
		Pt	.026	.041	.058	.080	.104	.131	.163	.234	.377	.650
		Throw*	4-6-11	5-7-12	6-9-13	7-10-14	8-11-15	9-11-16	10-12-17	11-13-18	11-14-20	14-17-24
		Throw	6-9-17	7-11-19	8-13-21	10-15-23	11-17-24	13-18-26	14-19-27	17-21-30	19-23-32	22-27-39
		NC	-	*	<15	<15	18	23	28	35	40	57
	15	CFM	490	615	735	860	980	1105	1225	1475	1720	2455
		Pt	.032	.051	.072	.099	.129	.164	.201	.292	.396	.808
		Throw*	4-6-11	5-8-13	6-9-14	7-11-15	8-11-16	9-12-17	10-13-18	11-14-20	12-15-21	15-18-25
		Throw	6-9-18	8-11-21	9-14-23	11-16-24	12-18-26	14-20-28	15-21-29	18-23-32	20-24-35	24-29-41
		NC	-	-	<15	16	22	27	31	39	46	68

### PERFORMANCE NOTES FOR SERIES 5700

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 = Pt-Pv (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<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands

Vn Neck Velocity