

PERFORMANCE DATA • MODEL SERIES 5600

MODEL: 5675(I) • 3/4" (19) SLOT WIDTH

1 Slot • 24" (610) Long, 6" (152) Inlet • 48" (1219) Long, 8" (203) Inlet

Airflow, CFM/FT.	20	30	40	50	60	70
Static Pressure	.027	.059	.104	.153	.228	.307
Noise Criteria	20	23	27	30	33	35
Throw 1	3.3	6.3	8.0	9.5	10.7	11.7
Throw 2	11.5	15.0	19.0	21.0	23.0	24.5

2 Slot • 24" (610) Long, 8" (203) Inlet • 48" (1219) Long, 10" (254) Inlet

Airflow, CFM/FT.	40	60	80	100	120	140
Static Pressure	.028	.061	.115	.165	.240	.335
Noise Criteria	20	24	29	33	36	38
Throw 1	3.7	7.7	9.0	10.5	12.0	13.0
Throw 2	12.5	16.0	19.0	22.0	24.0	25.5

3 Slot • 24" (610) Long, 8" (203) Inlet • 48" (1219) Long, 10" (254) Inlet

Airflow, CFM/FT.	60	90	120	150	180	210
Static Pressure	.030	.064	.120	.184	.265	.350
Noise Criteria	21	25	30	35	39	42
Throw 1	4.5	9.0	10.2	11.5	13.0	14.0
Throw 2	12.7	17.0	20.0	23.0	25.2	27.5

4 Slot • 24" (610) Long, 10" (254) Inlet • 48" (1219) Long, 12" (305) Inlet

Airflow, CFM/FT.	80	120	160	200	240	280
Static Pressure	.034	.071	.134	.203	.292	.392
Noise Criteria	22	26	31	37	41	45
Throw 1	5.2	10.0	11.2	12.0	13.5	15.0
Throw 2	13.5	17.7	21.0	24.5	26.5	29.0

Performance Notes:

- Throws are given at 150 and 50 fpm terminal velocities under isothermal conditions.
Throw 1 is Throw @ 150 feet per minute terminal velocity at 9'-0" ceiling height.
Throw 2 is Throw @ 50 feet per minute terminal velocity at 9'-0" ceiling height.
- All Pressures are in inches w.g..
- Throw data is for one-way blow in opposite direction to inlet collar under isothermal conditions.
- Noise Criteria [NC] values based on a room absorption of 10 dB, re 10⁻¹² watts. Dash (-) in space denotes a Noise Criteria level less than 15.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.031	.039
2	.059	.079
3	.083	.117
4	.108	.156

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MODEL: 5610(I) • 1" (25) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	50	75	95	120	140	165	185
	Total Pressure	.046	.093	.141	.216	.287	.390	.483
	Static Pressure	.042	.083	.125	.191	.252	.342	.423
	Noise Criteria	–	18	23	29	32	36	38
	Throw	6-11-20	11-16-25	14-19-28	17-22-31	19-24-33	21-26-35	23-27-37
8" Round Inlet	Airflow, CFM	50	80	105	135	160	190	215
	Total Pressure	.044	.102	.162	.248	.332	.446	.554
	Static Pressure	.043	.098	.156	.238	.318	.427	.529
	Noise Criteria	–	17	23	29	33	37	40
	Throw	4-8-16	9-13-22	12-17-25	15-19-29	17-21-31	19-23-33	20-25-35
10" Oval Inlet	Airflow, CFM	60	85	110	135	160	185	210
	Total Pressure	.056	.103	.162	.232	.314	.408	.513
	Static Pressure	.055	.101	.159	.228	.308	.400	.503
	Noise Criteria	–	15	22	27	31	35	38
	Throw	5-10-19	10-15-25	13-19-29	16-22-33	19-24-35	21-26-38	22-28-40

1 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	80	120	155	195	230	270	305
	Total Pressure	.040	.109	.175	.256	.334	.428	.516
	Static Pressure	.029	.084	.133	.190	.241	.300	.353
	Noise Criteria	–	17	24	30	35	39	43
	Throw	6-11-20	11-16-26	14-20-30	17-23-34	19-25-36	21-27-38	23-29-40
8" Round Inlet	Airflow, CFM	100	140	180	220	260	300	340
	Total Pressure	.043	.084	.138	.204	.283	.375	.479
	Static Pressure	.038	.074	.120	.178	.246	.326	.416
	Noise Criteria	–	15	22	28	32	36	40
	Throw	8-11-19	11-15-23	14-18-26	16-20-29	17-22-31	19-24-33	20-25-34
10" Oval Inlet	Airflow, CFM	100	145	190	235	280	325	370
	Total Pressure	.036	.076	.128	.191	.265	.350	.447
	Static Pressure	.034	.071	.119	.177	.246	.325	.414
	Noise Criteria	–	18	24	29	32	36	39
	Throw	3-6-14	6-10-19	9-14-23	11-16-26	13-19-28	15-20-30	16-22-32
12" Oval Inlet	Airflow, CFM	120	170	220	270	320	370	420
	Total Pressure	.049	.097	.160	.238	.331	.439	.562
	Static Pressure	.047	.093	.153	.228	.317	.421	.538
	Noise Criteria	–	20	26	31	35	39	42
	Throw	5-11-21	10-16-26	14-20-30	17-23-33	20-25-36	22-27-38	24-29-40

Performance Notes:

- Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
- All Pressures are in inches w.g..
- Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
- Noise Criteria [NC] values based on a room absorption of 10 dB, re 10⁻¹² watts. Dash (–) in space denotes a Noise Criteria level less than 15.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.031	.039
2	.059	.079

PERFORMANCE DATA • MODEL SERIES 5600

MODEL: 5610(I) • 1" (25) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	90	125	160	195	230	265	300
	Total Pressure	.051	.097	.156	.228	.313	.412	.524
	Static Pressure	.037	.069	.111	.161	.220	.288	.366
	Noise Criteria	–	21	27	32	36	40	43
	Throw	11-15-25	15-20-29	18-23-33	21-26-36	23-28-38	25-30-40	26-31-42
8" Round Inlet	Airflow, CFM	90	130	170	210	250	290	330
	Total Pressure	.041	.070	.111	.166	.233	.313	.405
	Static Pressure	.037	.061	.096	.142	.199	.267	.346
	Noise Criteria	–	19	25	30	35	38	41
	Throw	8-13-21	13-17-26	16-20-29	18-23-32	20-25-34	22-26-36	23-28-38
10" Oval Inlet	Airflow, CFM	100	145	190	235	280	325	370
	Total Pressure	.042	.071	.116	.178	.257	.353	.465
	Static Pressure	.040	.066	.107	.165	.238	.327	.432
	Noise Criteria	–	17	25	31	36	40	43
	Throw	10-15-24	14-20-29	18-23-33	21-26-36	23-28-39	25-30-41	27-32-43

2 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	150	185	220	255	290	325	360
	Total Pressure	.092	.133	.183	.242	.310	.387	.472
	Static Pressure	.053	.073	.098	.128	.162	.201	.244
	Noise Criteria	–	–	21	26	31	36	39
	Throw	7-10-16	8-12-18	10-13-19	11-14-21	12-16-22	13-17-23	13-17-24
8" Round Inlet	Airflow, CFM	160	220	280	340	400	460	520
	Total Pressure	.049	.089	.140	.201	.274	.357	.450
	Static Pressure	.035	.063	.097	.138	.186	.241	.303
	Noise Criteria	–	15	23	29	34	39	43
	Throw	9-14-20	13-18-25	15-20-29	18-22-31	19-24-34	21-26-36	22-27-38
10" Oval Inlet	Airflow, CFM	180	250	320	390	460	530	600
	Total Pressure	.042	.077	.126	.188	.263	.352	.454
	Static Pressure	.034	.062	.101	.151	.213	.285	.367
	Noise Criteria	–	16	24	30	35	39	43
	Throw	10-14-22	13-18-26	16-20-29	19-23-32	20-24-34	22-26-35	23-27-37
12" Oval Inlet	Airflow, CFM	200	285	370	455	540	625	710
	Total Pressure	.047	.098	.165	.247	.345	.460	.590
	Static Pressure	.042	.087	.146	.219	.306	.407	.522
	Noise Criteria	–	18	26	32	37	41	44
	Throw	9-14-22	13-18-27	16-21-31	18-24-33	20-25-36	22-27-38	23-28-40

Performance Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All Pressures are in inches w.g..
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4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10⁻¹² watts. Dash (–) in space denotes a Noise Criteria level less than 15.
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