

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	40	50	60	70	80	90	100
	Total Pressure	.032	.051	.073	.099	.130	.164	.202
	Static Pressure	.031	.048	.069	.093	.122	.154	.190
	Noise Criteria	–	–	19	24	29	32	36
	Throw	2-4-10	3-6-12	4-7-15	6-8-17	6-10-19	7-11-20	8-12-21
8" Round Inlet	Airflow, CFM	70	80	90	100	110	120	130
	Total Pressure	.073	.095	.121	.149	.180	.215	.252
	Static Pressure	.071	.093	.118	.146	.176	.210	.246
	Noise Criteria	19	23	27	30	34	36	39
	Throw	6-8-17	6-10-19	7-11-20	8-12-21	9-13-22	10-15-23	10-16-24
10" Round Inlet	Airflow, CFM	100	110	120	130	140	150	160
	Total Pressure	.124	.150	.179	.210	.243	.279	.317
	Static Pressure	.121	.147	.175	.205	.238	.273	.311
	Noise Criteria	27	30	33	36	38	40	42
	Throw	8-12-21	9-13-22	10-15-23	10-16-24	11-17-25	12-18-26	13-19-26

1 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	70	90	110	130	150	170	190
	Total Pressure	.040	.066	.099	.138	.184	.236	.295
	Static Pressure	.032	.054	.080	.112	.149	.191	.239
	Noise Criteria	–	18	24	30	34	38	42
	Throw	3-6-11	4-7-13	6-9-15	7-11-16	8-12-17	9-13-18	10-14-19
8" Round Inlet	Airflow, CFM	100	120	140	160	180	200	220
	Total Pressure	.054	.078	.106	.138	.175	.216	.262
	Static Pressure	.051	.073	.099	.130	.164	.203	.246
	Noise Criteria	15	20	25	30	33	37	40
	Throw	5-8-14	6-10-15	8-11-17	9-13-18	10-13-19	11-14-20	12-15-21
10" Oval Inlet	Airflow, CFM	140	160	180	200	220	240	260
	Total Pressure	.084	.109	.138	.171	.207	.246	.289
	Static Pressure	.079	.103	.130	.161	.194	.231	.271
	Noise Criteria	21	25	29	32	36	38	41
	Throw	8-11-17	9-13-18	10-13-19	11-14-20	12-15-21	13-15-22	13-26-23
12" Oval Inlet	Airflow, CFM	160	180	200	220	240	260	280
	Total Pressure	.091	.115	.142	.172	.204	.240	.278
	Static Pressure	.089	.113	.139	.168	.200	.235	.273
	Noise Criteria	22	26	29	33	35	38	40
	Throw	9-13-18	10-13-19	11-14-20	12-15-21	13-15-22	13-16-23	14-17-23

1 Slot • 60" (1524) Long

6" Round Inlet	Airflow, CFM	90	110	130	150	170	190	210
	Total Pressure	.050	.074	.104	.138	.177	.221	.270
	Static Pressure	.037	.056	.078	.104	.134	.167	.204
	Noise Criteria	–	20	25	30	34	38	41
	Throw	3-6-10	4-7-11	6-9-12	7-9-13	8-10-14	8-10-15	9-11-15
8" Round Inlet	Airflow, CFM	90	120	150	180	210	240	270
	Total Pressure	.032	.058	.090	.130	.176	.230	.292
	Static Pressure	.028	.050	.079	.114	.155	.202	.256
	Noise Criteria	–	16	23	29	34	38	42
	Throw	3-6-10	5-8-12	7-9-13	8-10-14	9-11-15	9-12-16	10-12-17
10" Oval Inlet	Airflow, CFM	120	150	180	210	240	270	300
	Total Pressure	.044	.069	.099	.135	.176	.223	.275
	Static Pressure	.040	.063	.091	.123	.161	.204	.252
	Noise Criteria	–	18	24	29	33	37	40
	Throw	5-8-12	7-9-13	8-10-14	9-11-15	9-12-16	10-12-17	11-13-18
12" Oval Inlet	Airflow, CFM	170	200	230	260	270	300	330
	Total Pressure	.074	.102	.135	.173	.187	.230	.279
	Static Pressure	.071	.099	.130	.167	.180	.222	.268
	Noise Criteria	19	24	29	32	34	37	40
	Throw	8-10-14	9-11-15	9-11-16	10-12-17	10-12-17	11-13-18	11-14-19

See page C70 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	40	50	60	75	100	125	150
	Total Pressure	.013	.020	.029	.045	.080	.125	.180
	Static Pressure	.010	.016	.023	.036	.064	.100	.144
	Noise Criteria	–	–	–	17	26	33	39
	Throw	1-2-5	1-3-8	2-5-12	4-8-15	7-10-20	8-13-23	10-15-26
8" Round Inlet	Airflow, CFM	40	55	65	80	105	130	160
	Total Pressure	.018	.034	.047	.071	.123	.188	.284
	Static Pressure	.012	.023	.032	.049	.084	.128	.194
	Noise Criteria	–	–	12	19	27	34	41
	Throw	2-5-12	5-8-16	6-10-17	8-12-19	11-16-22	13-17-24	16-19-27
10" Round Inlet	Airflow, CFM	60	80	100	120	140	160	180
	Total Pressure	.016	.028	.043	.062	.085	.111	.140
	Static Pressure	.015	.026	.040	.058	.079	.104	.131
	Noise Criteria	–	19	24	29	32	36	40
	Throw	6-7-16	7-8-18	8-10-20	9-12-22	10-14-24	11-16-26	12-18-28

2 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	60	90	120	150	180	210	240
	Total Pressure	.014	.032	.057	.089	.129	.175	.229
	Static Pressure	.007	.016	.028	.045	.064	.087	.114
	Noise Criteria	–	–	15	23	28	36	40
	Throw	1-2-8	2-5-11	4-8-15	6-10-17	8-11-19	10-14-21	11-16-22
8" Round Inlet	Airflow, CFM	70	105	140	175	210	245	280
	Total Pressure	.011	.025	.044	.069	.099	.135	.177
	Static Pressure	.008	.019	.033	.052	.075	.103	.134
	Noise Criteria	–	–	16	23	29	34	39
	Throw	1-4-9	3-6-13	5-9-17	7-11-19	9-13-20	10-16-22	12-17-23
10" Oval Inlet	Airflow, CFM	90	115	145	180	230	295	320
	Total Pressure	.013	.021	.033	.052	.084	.138	.163
	Static Pressure	.011	.018	.029	.045	.073	.121	.142
	Noise Criteria	–	–	17	21	29	36	39
	Throw	2-5-11	4-7-14	5-9-17	8-11-19	10-15-21	12-17-24	14-18-25
12" Oval Inlet	Airflow, CFM	100	140	180	220	260	300	340
	Total Pressure	.012	.024	.040	.059	.083	.111	.142
	Static Pressure	.012	.023	.038	.057	.079	.105	.135
	Noise Criteria	–	18	23	27	31	35	40
	Throw	3-12-18	5-13-20	7-14-21	9-15-22	11-16-23	13-17-24	14-18-26

2 Slot • 60" (1524) Long

6" Round Inlet	Airflow, CFM	110	140	170	200	230	260	290
	Total Pressure	.035	.056	.083	.115	.152	.194	.242
	Static Pressure	.017	.027	.040	.056	.074	.094	.117
	Noise Criteria	–	15	21	27	31	35	39
	Throw	2-5-11	3-7-13	5-9-14	7-10-15	8-11-16	9-12-17	10-13-18
8" Round Inlet	Airflow, CFM	125	165	205	245	285	325	350
	Total Pressure	.028	.048	.075	.107	.144	.188	.218
	Static Pressure	.018	.031	.048	.069	.094	.122	.141
	Noise Criteria	–	15	22	28	33	37	40
	Throw	3-6-12	5-8-14	7-11-15	8-12-17	10-13-18	11-14-19	11-14-20
10" Oval Inlet	Airflow, CFM	150	190	230	270	310	350	390
	Total Pressure	.028	.045	.065	.090	.119	.151	.188
	Static Pressure	.023	.036	.053	.073	.096	.123	.152
	Noise Criteria	–	17	23	28	32	36	40
	Throw	4-8-14	6-10-15	8-11-16	9-12-17	11-13-19	11-14-20	12-15-21
12" Oval Inlet	Airflow, CFM	180	220	260	300	340	380	420
	Total Pressure	.030	.045	.063	.084	.107	.134	.164
	Static Pressure	.027	.041	.057	.075	.097	.127	.148
	Noise Criteria	–	20	25	29	33	37	40
	Throw	7-10-15	8-11-16	9-12-17	10-13-18	11-14-20	12-15-21	13-15-22

See page C70 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

3 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	50	75	100	125	150	175	200
	Total Pressure	.013	.028	.050	.079	.114	.155	.202
	Static Pressure	.008	.019	.034	.052	.075	.103	.134
	Noise Criteria	–	–	16	23	29	34	39
	Throw	1-5-10	2-7-14	4-9-18	7-11-22	9-13-26	10-15-28	12-18-30
8" Round Inlet	Airflow, CFM	65	80	100	125	160	200	255
	Total Pressure	.013	.019	.030	.047	.077	.120	.195
	Static Pressure	.011	.016	.025	.039	.064	.100	.162
	Noise Criteria	–	–	15	20	27	34	40
	Throw	2-5-12	4-6-19	4-9-18	7-11-22	10-14-27	12-18-30	15-23-34
10" Round Inlet	Airflow, CFM	80	110	140	170	200	230	260
	Total Pressure	.016	.030	.049	.072	.100	.132	.168
	Static Pressure	.014	.026	.043	.063	.087	.115	.147
	Noise Criteria	–	17	22	27	32	37	40
	Throw	4-6-19	6-9-22	8-12-25	10-15-27	12-18-30	13-20-32	15-23-34

3 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	80	120	160	200	240	280	320
	Total Pressure	.013	.030	.053	.083	.120	.163	.213
	Static Pressure	.004	.010	.017	.027	.038	.052	.068
	Noise Criteria	–	–	15	23	28	32	37
	Throw	1-2-9	2-5-13	4-9-17	6-11-20	9-13-22	10-15-23	12-16-24
8" Round Inlet	Airflow, CFM	100	150	200	250	300	350	400
	Total Pressure	.014	.031	.055	.087	.125	.170	.222
	Static Pressure	.009	.020	.035	.054	.078	.106	.139
	Noise Criteria	–	–	17	24	30	35	40
	Throw	1-5-14	3-8-16	6-11-20	9-14-22	11-16-24	13-19-26	14-20-28
10" Oval Inlet	Airflow, CFM	115	145	185	230	295	370	470
	Total Pressure	.012	.019	.031	.048	.079	.125	.201
	Static Pressure	.009	.015	.024	.037	.061	.096	.155
	Noise Criteria	–	–	–	20	27	34	40
	Throw	2-5-13	3-8-16	5-10-18	9-13-22	11-16-24	14-19-27	17-21-30
12" Oval Inlet	Airflow, CFM	125	185	245	305	365	425	485
	Total Pressure	.011	.025	.044	.068	.097	.131	.171
	Static Pressure	.010	.022	.038	.059	.084	.114	.148
	Noise Criteria	–	–	18	25	31	36	40
	Throw	4-7-16	7-10-19	9-13-22	11-16-25	13-19-27	15-20-29	17-22-31

3 Slot • 60" (1524) Long

6" Round Inlet	Airflow, CFM	125	175	225	275	325	350	375
	Total Pressure	.025	.048	.079	.119	.166	.192	.221
	Static Pressure	.023	.045	.074	.111	.155	.180	.206
	Noise Criteria	–	15	21	28	34	37	41
	Throw	2-4-11	3-8-14	5-10-16	8-12-18	10-14-20	11-15-21	12-16-22
8" Round Inlet	Airflow, CFM	175	225	275	325	375	425	475
	Total Pressure	.033	.054	.081	.113	.151	.194	.242
	Static Pressure	.017	.028	.041	.058	.077	.099	.123
	Noise Criteria	–	16	22	28	32	36	40
	Throw	3-7-14	5-10-16	8-12-18	9-14-19	11-15-21	12-15-22	13-16-23
10" Oval Inlet	Airflow, CFM	250	300	350	400	450	500	550
	Total Pressure	.047	.068	.092	.120	.152	.188	.227
	Static Pressure	.033	.047	.064	.084	.106	.131	.159
	Noise Criteria	15	21	26	30	34	38	41
	Throw	6-11-17	9-13-18	10-14-20	12-15-21	13-16-23	14-17-24	14-18-25
12" Oval Inlet	Airflow, CFM	275	325	375	425	475	525	575
	Total Pressure	.042	.058	.077	.099	.124	.152	.182
	Static Pressure	.033	.046	.061	.079	.098	.120	.144
	Noise Criteria	16	21	26	30	33	37	40
	Throw	8-12-18	9-14-19	11-15-21	12-15-22	13-16-23	14-17-24	15-18-25

See page C70 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

4 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	60	90	120	150	180	210	240
	Total Pressure	.013	.030	.053	.083	.119	.162	.212
	Static Pressure	.007	.016	.029	.046	.066	.089	.117
	Noise Criteria	–	–	15	23	28	33	38
	Throw	1-3-9	3-6-14	5-9-19	7-12-24	9-14-28	11-17-30	13-19-32
8" Round Inlet	Airflow, CFM	80	100	125	155	195	250	315
	Total Pressure	.014	.021	.033	.051	.081	.133	.211
	Static Pressure	.010	.016	.025	.039	.061	.101	.160
	Noise Criteria	–	–	–	20	27	34	40
	Throw	2-4-12	3-7-15	5-9-19	8-12-28	10-15-30	13-19-33	17-25-37
10" Round Inlet	Airflow, CFM	110	150	190	230	270	310	350
	Total Pressure	.020	.036	.058	.085	.118	.155	.198
	Static Pressure	.017	.033	.052	.076	.105	.139	.177
	Noise Criteria	–	18	24	29	34	38	42
	Throw	4-8-16	7-12-25	10-15-30	12-18-32	14-21-34	16-24-37	18-28-39

4 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	100	150	200	250	300	350	400
	Total Pressure	.014	.031	.055	.087	.125	.170	.222
	Static Pressure	.013	.029	.051	.079	.114	.155	.203
	Noise Criteria	–	–	16	23	30	36	42
	Throw	1-2-10	2-5-14	4-10-19	7-12-22	10-14-25	13-16-28	16-19-31
8" Round Inlet	Airflow, CFM	120	180	240	300	360	420	480
	Total Pressure	.015	.033	.059	.093	.134	.182	.238
	Static Pressure	.006	.014	.025	.039	.057	.077	.101
	Noise Criteria	–	–	16	23	29	34	39
	Throw	1-5-12	3-8-17	6-11-22	10-14-24	11-17-27	13-20-29	15-22-31
10" Oval Inlet	Airflow, CFM	145	180	225	290	360	450	580
	Total Pressure	.014	.022	.034	.056	.087	.135	.225
	Static Pressure	.010	.015	.023	.038	.059	.093	.154
	Noise Criteria	–	–	–	20	27	34	40
	Throw	2-5-14	3-8-16	5-11-21	9-14-24	12-18-27	14-21-29	18-24-34
12" Oval Inlet	Airflow, CFM	260	320	380	440	500	560	620
	Total Pressure	.034	.051	.073	.097	.126	.158	.193
	Static Pressure	.027	.041	.057	.077	.099	.124	.152
	Noise Criteria	–	19	24	29	33	37	40
	Throw	8-12-23	10-15-25	12-18-27	14-21-29	16-22-31	18-23-33	20-25-35

4 Slot • 60" (1524) Long

6" Round Inlet	Airflow, CFM	180	220	260	300	340	380	420
	Total Pressure	.039	.059	.082	.109	.140	.175	.214
	Static Pressure	.035	.053	.074	.098	.126	.157	.192
	Noise Criteria	.168	15	20	25	30	33	37
	Throw	2-5-14	3-8-16	5-10-17	7-12-19	8-14-21	9-16-23	10-18-25
8" Round Inlet	Airflow, CFM	220	270	320	370	420	470	520
	Total Pressure	.037	.056	.078	.104	.134	.168	.206
	Static Pressure	.011	.016	.023	.031	.040	.050	.061
	Noise Criteria	–	15	20	25	30	34	38
	Throw	3-8-16	5-10-17	7-12-19	9-14-20	11-15-22	13-16-23	15-17-25
10" Oval Inlet	Airflow, CFM	310	370	430	490	550	610	670
	Total Pressure	.050	.071	.096	.124	.156	.192	.232
	Static Pressure	.029	.041	.055	.072	.090	.111	.134
	Noise Criteria	15	21	26	30	34	37	40
	Throw	7-12-19	9-14-20	11-16-22	12-17-23	14-18-25	15-19-26	16-19-27
12" Oval Inlet	Airflow, CFM	320	380	440	500	560	620	680
	Total Pressure	.040	.056	.075	.097	.122	.150	.180
	Static Pressure	.029	.042	.056	.072	.090	.111	.133
	Noise Criteria	–	19	24	28	31	35	38
	Throw	7-12-19	10-14-21	11-16-22	13-17-24	14-18-25	15-19-26	16-20-28

See page C70 for performance data notes.

PERFORMANCE DATA NOTES:

Model Series 5700

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. 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.
4. Noise Criteria [NC] values are based on a room absorption of 10 dB, re 10^{-12} watts. Dash (-) in space denotes an Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Models 59ND(I),59NDR(I)

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Tested with one-way fixed horizontal discharge in the direction of the inlet and center down-blow deflector full open. Straight flexible duct connection.
4. Noise Criteria [NC] values are based on a room absorption of 10 dB, re 10^{-12} watts. Dash (-) in space denotes an Noise Criteria level less than 15.
5. Data derived from independent tests conducted in accordance with ANSI/ASHRAE Standard 70-2006.