

## PERFORMANCE DATA • MODEL SERIES 5800

### MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

#### 1 Slot • 24" (610) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>55</b>	<b>70</b>	<b>85</b>	<b>100</b>	<b>115</b>	<b>130</b>	<b>145</b>
	Total Pressure	.108	.156	.211	.272	.341	.414	.496
	Static Pressure	.103	.149	.200	.257	.320	.389	.464
	Noise Criteria	18	24	28	32	36	38	42
	Throw	6-11-20	10-15-25	12-18-28	14-20-31	16-22-33	18-24-35	19-26-37
<b>8" Round Inlet</b>	Airflow, CFM	<b>60</b>	<b>75</b>	<b>90</b>	<b>110</b>	<b>125</b>	<b>140</b>	<b>155</b>
	Total Pressure	.120	.173	.233	.301	.375	.456	.543
	Static Pressure	.118	.170	.229	.294	.367	.445	.531
	Noise Criteria	18	24	28	33	36	39	41
	Throw	8-14-23	13-18-29	16-22-32	18-25-36	21-27-38	23-30-41	25-32-43

#### 1 Slot • 36" (914) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>65</b>	<b>80</b>	<b>95</b>	<b>115</b>	<b>135</b>	<b>150</b>	<b>180</b>
	Total Pressure	.075	.116	.152	.217	.270	.315	.402
	Static Pressure	.068	.105	.136	.193	.238	.276	.344
	Noise Criteria	13	18	24	29	33	36	41
	Throw	6-9-19	8-12-22	9-14-24	11-17-27	12-19-30	13-20-31	15-22-34
<b>8" Round Inlet</b>	Airflow, CFM	<b>70</b>	<b>90</b>	<b>110</b>	<b>130</b>	<b>150</b>	<b>170</b>	<b>190</b>
	Total Pressure	.053	.095	.143	.192	.239	.279	.336
	Static Pressure	.050	.091	.136	.183	.226	.263	.316
	Noise Criteria	12	21	26	31	34	38	42
	Throw	6-9-19	9-13-24	11-16-28	13-19-31	15-21-33	17-23-36	18-25-38
<b>10" Oval Inlet</b>	Airflow, CFM	<b>80</b>	<b>105</b>	<b>125</b>	<b>145</b>	<b>165</b>	<b>190</b>	<b>210</b>
	Total Pressure	.075	.122	.177	.232	.282	.311	.355
	Static Pressure	.073	.120	.173	.226	.276	.302	.344
	Noise Criteria	14	21	27	32	36	38	41
	Throw	7-12-22	11-16-27	13-19-31	15-21-34	17-24-36	18-25-38	20-26-40

#### 1 Slot • 48" (1219) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>85</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>175</b>	<b>195</b>
	Total Pressure	.087	.124	.167	.217	.273	.306	.344
	Static Pressure	.080	.113	.151	.194	.241	.266	.292
	Noise Criteria	21	27	31	33	35	38	40
	Throw	2-4-13	2-6-15	3-7-16	5-9-19	6-10-22	6-11-22	7-11-22
<b>8" Round Inlet</b>	Airflow, CFM	<b>105</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>195</b>	<b>215</b>
	Total Pressure	.081	.115	.154	.198	.247	.275	.304
	Static Pressure	.078	.111	.148	.190	.236	.261	.286
	Noise Criteria	21	26	28	32	35	37	40
	Throw	2-5-15	3-7-17	4-9-19	6-11-22	8-12-25	8-13-25	9-14-26
<b>10" Oval Inlet</b>	Airflow, CFM	<b>120</b>	<b>130</b>	<b>150</b>	<b>170</b>	<b>190</b>	<b>210</b>	<b>240</b>
	Total Pressure	.082	.116	.155	.199	.247	.273	.300
	Static Pressure	.080	.113	.151	.193	.240	.265	.291
	Noise Criteria	21	23	28	30	32	34	38
	Throw	8-12-16	9-13-17	11-14-19	12-15-20	13-15-22	13-17-24	15-18-26
<b>12" Oval Inlet</b>	Airflow, CFM	<b>110</b>	<b>130</b>	<b>150</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>250</b>
	Total Pressure	.039	.044	.065	.085	.132	.151	.211
	Static Pressure	.038	.041	.063	.081	.128	.149	.201
	Noise Criteria	12	18	23	28	31	34	38
	Throw	9-12-16	10-13-17	11-14-19	12-15-21	14-16-23	15-17-24	16-18-26

See page C38 for performance data notes.

## PERFORMANCE DATA • MODEL SERIES 5800

### MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

#### 1 Slot • 60" (1524) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>100</b>	<b>115</b>	<b>135</b>	<b>155</b>	<b>175</b>	<b>190</b>	<b>210</b>
	Total Pressure	.112	.144	.171	.201	.234	.259	.289
	Static Pressure	.094	.120	.138	.158	.179	.194	.210
	Noise Criteria	23	28	31	34	37	39	41
	Throw	4-6-14	6-9-17	7-12-20	8-14-22	9-15-24	10-17-26	11-18-28
<b>8" Round Inlet</b>	Airflow, CFM	<b>120</b>	<b>145</b>	<b>165</b>	<b>190</b>	<b>210</b>	<b>235</b>	<b>255</b>
	Total Pressure	.110	.143	.166	.192	.220	.242	.265
	Static Pressure	.102	.131	.151	.172	.196	.212	.229
	Noise Criteria	23	28	32	35	38	40	42
	Throw	5-7-16	8-11-20	9-15-23	10-17-26	12-18-28	13-21-30	14-22-32
<b>10" Oval Inlet</b>	Airflow, CFM	<b>135</b>	<b>160</b>	<b>185</b>	<b>215</b>	<b>240</b>	<b>265</b>	<b>290</b>
	Total Pressure	.107	.138	.160	.185	.211	.230	.251
	Static Pressure	.103	.132	.152	.174	.197	.213	.231
	Noise Criteria	22	27	32	34	38	40	41
	Throw	6-8-17	9-13-22	11-17-25	12-19-28	14-21-31	15-24-33	16-25-35
<b>12" Oval Inlet</b>	Airflow, CFM	<b>150</b>	<b>175</b>	<b>205</b>	<b>235</b>	<b>265</b>	<b>290</b>	<b>320</b>
	Total Pressure	.110	.141	.163	.187	.213	.232	.252
	Static Pressure	.107	.138	.158	.181	.205	.223	.241
	Noise Criteria	22	26	32	34	38	40	40
	Throw	6-8-17	9-13-22	12-17-24	13-19-27	15-21-30	16-24-32	17-25-34

#### 2 Slot • 24" (610) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>55</b>	<b>80</b>	<b>105</b>	<b>140</b>	<b>165</b>	<b>180</b>	<b>200</b>
	Total Pressure	.031	.063	.101	.164	.217	.275	.340
	Static Pressure	.026	.052	.081	.130	.169	.212	.259
	Noise Criteria	2	12	19	26	30	32	37
	Throw	3-7-14	7-11-19	10-14-22	13-17-25	15-19-27	16-21-29	17-22-30
<b>8" Round Inlet</b>	Airflow, CFM	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>
	Total Pressure	.036	.059	.088	.121	.159	.202	.249
	Static Pressure	.031	.051	.075	.103	.134	.170	.209
	Noise Criteria	-	22	23	29	32	34	40
	Throw	9-15-25	13-18-28	15-20-31	17-23-33	18-24-35	20-25-36	21-26-38
<b>10" Oval Inlet</b>	Airflow, CFM	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>240</b>
	Total Pressure	.039	.065	.096	.132	.173	.219	.270
	Static Pressure	.038	.062	.091	.124	.163	.205	.253
	Noise Criteria	16	23	28	32	34	38	41
	Throw	11-17-27	15-20-31	17-23-34	20-26-36	21-27-38	23-29-39	24-30-41

#### 2 Slot • 36" (914) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>90</b>	<b>120</b>	<b>150</b>	<b>180</b>	<b>210</b>	<b>240</b>	<b>270</b>
	Total Pressure	.045	.077	.117	.166	.223	.288	.362
	Static Pressure	.031	.051	.077	.109	.145	.187	.234
	Noise Criteria	5	14	21	27	32	36	40
	Throw	6-11-21	9-15-26	11-18-30	13-21-34	15-23-36	16-25-39	18-27-41
<b>8" Round Inlet</b>	Airflow, CFM	<b>115</b>	<b>145</b>	<b>180</b>	<b>210</b>	<b>245</b>	<b>275</b>	<b>310</b>
	Total Pressure	.049	.080	.117	.161	.212	.270	.336
	Static Pressure	.040	.063	.092	.125	.164	.208	.257
	Noise Criteria	15	19	24	29	34	37	41
	Throw	7-13-23	11-17-28	13-20-32	16-23-34	18-25-37	18-27-39	20-29-41
<b>10" Oval Inlet</b>	Airflow, CFM	<b>135</b>	<b>170</b>	<b>205</b>	<b>240</b>	<b>275</b>	<b>310</b>	<b>345</b>
	Total Pressure	.054	.082	.116	.156	.201	.252	.309
	Static Pressure	.050	.075	.106	.142	.183	.229	.280
	Noise Criteria	17	23	28	32	35	38	41
	Throw	9-15-26	13-19-30	15-22-34	18-24-37	20-27-40	22-29-42	23-30-44
<b>12" Oval Inlet</b>	Airflow, CFM	<b>155</b>	<b>200</b>	<b>245</b>	<b>290</b>	<b>335</b>	<b>380</b>	<b>425</b>
	Total Pressure	.054	.082	.116	.156	.201	.253	.309
	Static Pressure	.050	.077	.108	.145	.186	.233	.285
	Noise Criteria	17	23	27	31	35	37	41
	Throw	9-15-25	14-19-29	16-22-33	19-24-36	21-27-39	23-29-41	24-30-43

See page C38 for performance data notes.

PLENUM SLOT AND LIGHT TROFFER DIFFUSERS

## PERFORMANCE DATA • MODEL SERIES 5800

### MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

#### 2 Slot • 48" (1219) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>90</b>	<b>130</b>	<b>170</b>	<b>215</b>	<b>255</b>	<b>295</b>	<b>335</b>
	Total Pressure	.060	.104	.160	.231	.311	.402	.505
	Static Pressure	.032	.055	.085	.120	.161	.208	.261
	Noise Criteria	10	18	25	30	35	38	42
	Throw	5-9-16	8-11-19	9-13-22	10-15-23	12-16-25	12-18-27	13-19-28
<b>8" Round Inlet</b>	Airflow, CFM	<b>105</b>	<b>150</b>	<b>195</b>	<b>240</b>	<b>285</b>	<b>330</b>	<b>375</b>
	Total Pressure	.036	.063	.097	.138	.186	.241	.303
	Static Pressure	.026	.045	.069	.098	.132	.170	.213
	Noise Criteria	7	16	22	28	32	36	40
	Throw	5-9-17	9-13-21	11-15-24	12-17-26	14-19-28	15-20-30	16-22-31
<b>10" Oval Inlet</b>	Airflow, CFM	<b>130</b>	<b>180</b>	<b>230</b>	<b>280</b>	<b>330</b>	<b>380</b>	<b>430</b>
	Total Pressure	.040	.069	.105	.149	.200	.260	.328
	Static Pressure	.035	.059	.090	.127	.171	.222	.279
	Noise Criteria	11	19	25	30	34	37	41
	Throw	6-7-15	7-11-20	10-14-24	10-16-26	12-18-29	13-19-31	14-21-33
<b>12" Oval Inlet</b>	Airflow, CFM	<b>170</b>	<b>225</b>	<b>285</b>	<b>345</b>	<b>405</b>	<b>460</b>	<b>520</b>
	Total Pressure	.035	.060	.092	.131	.176	.228	.288
	Static Pressure	.032	.053	.081	.115	.154	.200	.252
	Noise Criteria	15	19	24	29	34	37	40
	Throw	7-11-19	10-14-23	11-16-26	13-18-29	16-19-30	18-21-33	20-23-35

#### 2 Slot • 60" (1524) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>145</b>	<b>190</b>	<b>230</b>	<b>270</b>	<b>310</b>	<b>355</b>	<b>395</b>
	Total Pressure	.077	.125	.181	.245	.319	.409	.503
	Static Pressure	.040	.061	.086	.115	.148	.184	.225
	Noise Criteria	14	21	27	31	35	38	42
	Throw	2-4-11	3-7-15	5-8-17	5-10-20	5-11-22	6-12-23	7-14-24
<b>8" Round Inlet</b>	Airflow, CFM	<b>175</b>	<b>225</b>	<b>275</b>	<b>325</b>	<b>375</b>	<b>425</b>	<b>475</b>
	Total Pressure	.053	.084	.121	.164	.213	.268	.330
	Static Pressure	.036	.056	.079	.106	.136	.170	.207
	Noise Criteria	15	22	27	32	36	39	42
	Throw	3-5-13	4-8-17	6-10-20	7-12-23	7-14-25	8-15-27	9-17-28
<b>10" Oval Inlet</b>	Airflow, CFM	<b>200</b>	<b>260</b>	<b>315</b>	<b>375</b>	<b>430</b>	<b>490</b>	<b>545</b>
	Total Pressure	.042	.067	.095	.129	.167	.211	.258
	Static Pressure	.033	.051	.071	.095	.123	.153	.186
	Noise Criteria	15	21	27	31	35	39	41
	Throw	4-6-14	5-9-19	7-11-22	8-14-25	8-16-27	9-17-29	11-19-31
<b>12" Oval Inlet</b>	Airflow, CFM	<b>210</b>	<b>270</b>	<b>330</b>	<b>395</b>	<b>455</b>	<b>515</b>	<b>575</b>
	Total Pressure	.037	.057	.081	.110	.142	.178	.218
	Static Pressure	.031	.047	.067	.089	.114	.143	.174
	Noise Criteria	14	21	26	31	34	39	40
	Throw	4-6-14	5-9-19	7-11-22	8-14-24	8-16-26	9-17-28	12-19-30

#### 3 Slot • 24" (610) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>100</b>	<b>135</b>	<b>165</b>	<b>200</b>	<b>225</b>	<b>255</b>	<b>280</b>
	Total Pressure	.045	.098	.143	.211	.292	.319	.408
	Static Pressure	.037	.081	.102	.155	.201	.215	.287
	Noise Criteria	14	22	27	32	35	38	41
	Throw	8-12-22	12-17-26	14-20-29	17-23-32	18-25-34	20-26-35	21-28-37
<b>8" Round Inlet</b>	Airflow, CFM	<b>100</b>	<b>135</b>	<b>170</b>	<b>200</b>	<b>235</b>	<b>270</b>	<b>305</b>
	Total Pressure	.050	.078	.118	.156	.200	.248	.302
	Static Pressure	.045	.068	.102	.134	.170	.209	.252
	Noise Criteria	15	19	25	30	33	37	40
	Throw	10-15-26	13-19-28	15-20-31	16-23-33	17-24-35	19-25-36	20-36-38
<b>10" Oval Inlet</b>	Airflow, CFM	<b>135</b>	<b>175</b>	<b>210</b>	<b>245</b>	<b>285</b>	<b>325</b>	<b>360</b>
	Total Pressure	.042	.066	.094	.126	.164	.207	.254
	Static Pressure	.038	.058	.083	.112	.145	.182	.223
	Noise Criteria	14	21	26	31	34	37	40
	Throw	9-14-24	12-17-28	14-20-31	16-22-33	18-24-35	19-26-37	20-27-39

See page C38 for performance data notes.

## PERFORMANCE DATA • MODEL SERIES 5800

### MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

#### 3 Slot • 36" (914) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>120</b>	<b>160</b>	<b>200</b>	<b>235</b>	<b>275</b>	<b>310</b>	<b>350</b>
	Total Pressure	.057	.098	.151	.213	.285	.364	.460
	Static Pressure	.030	.050	.075	.106	.142	.182	.228
	Noise Criteria	6	16	23	28	33	37	40
	Throw	9-14-24	12-17-28	14-20-31	16-22-33	18-24-35	19-26-37	20-27-39
<b>8" Round Inlet</b>	Airflow, CFM	<b>135</b>	<b>180</b>	<b>225</b>	<b>275</b>	<b>320</b>	<b>365</b>	<b>410</b>
	Total Pressure	.052	.089	.134	.188	.250	.320	.402
	Static Pressure	.036	.060	.089	.124	.165	.211	.263
	Noise Criteria	15	19	24	29	34	37	41
	Throw	9-14-24	12-17-28	14-20-31	16-22-33	18-24-35	19-26-37	20-27-39
<b>10" Oval Inlet</b>	Airflow, CFM	<b>150</b>	<b>205</b>	<b>255</b>	<b>305</b>	<b>355</b>	<b>410</b>	<b>460</b>
	Total Pressure	.046	.076	.113	.157	.209	.268	.334
	Static Pressure	.040	.066	.098	.135	.179	.228	.283
	Noise Criteria	12	20	26	30	35	38	41
	Throw	9-14-24	12-17-28	14-20-31	16-22-33	18-24-35	19-26-37	20-27-39
<b>12" Oval Inlet</b>	Airflow, CFM	<b>160</b>	<b>220</b>	<b>280</b>	<b>340</b>	<b>400</b>	<b>460</b>	<b>520</b>
	Total Pressure	.033	.060	.095	.138	.187	.244	.309
	Static Pressure	.030	.054	.085	.122	.166	.216	.272
	Noise Criteria	6	16	23	29	34	39	43
	Throw	9-14-23	13-18-28	16-21-32	18-24-35	20-26-38	22-28-40	23-29-42

#### 3 Slot • 48" (1219) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>140</b>	<b>185</b>	<b>235</b>	<b>285</b>	<b>335</b>	<b>380</b>	<b>430</b>
	Total Pressure	.069	.120	.189	.273	.373	.481	.610
	Static Pressure	.034	.059	.091	.129	.173	.223	.280
	Noise Criteria	12	20	27	32	37	40	44
	Throw	2-5-13	5-10-18	8-13-22	10-16-24	11-18-27	13-20-29	14-22-31
<b>8" Round Inlet</b>	Airflow, CFM	<b>155</b>	<b>215</b>	<b>275</b>	<b>340</b>	<b>400</b>	<b>460</b>	<b>520</b>
	Total Pressure	.046	.083	.130	.189	.256	.333	.421
	Static Pressure	.033	.058	.089	.126	.169	.218	.273
	Noise Criteria	8	17	23	29	33	37	40
	Throw	3-6-15	6-12-21	10-16-26	13-20-28	14-22-31	17-25-34	18-27-36
<b>10" Oval Inlet</b>	Airflow, CFM	<b>180</b>	<b>250</b>	<b>320</b>	<b>390</b>	<b>460</b>	<b>530</b>	<b>600</b>
	Total Pressure	.041	.071	.110	.157	.213	.278	.352
	Static Pressure	.033	.056	.085	.121	.162	.211	.265
	Noise Criteria	7	17	23	29	33	36	40
	Throw	4-7-16	7-14-23	12-18-28	15-23-31	16-25-34	20-28-37	21-31-39
<b>12" Oval Inlet</b>	Airflow, CFM	<b>215</b>	<b>285</b>	<b>355</b>	<b>425</b>	<b>490</b>	<b>560</b>	<b>630</b>
	Total Pressure	.041	.070	.107	.151	.201	.259	.325
	Static Pressure	.035	.059	.090	.126	.169	.217	.271
	Noise Criteria	7	18	25	30	34	38	41
	Throw	7-11-22	11-16-28	14-19-32	17-22-36	19-25-38	21-27-41	23-29-43

#### 3 Slot • 60" (1524) Long

<b>8" Round Inlet</b>	Airflow, CFM	<b>225</b>	<b>275</b>	<b>325</b>	<b>370</b>	<b>420</b>	<b>470</b>	<b>520</b>
	Total Pressure	.064	.095	.131	.172	.218	.273	.331
	Static Pressure	.036	.054	.073	.097	.122	.152	.183
	Noise Criteria	12	19	24	30	33	37	42
	Throw	7-11-22	9-14-25	11-17-28	13-18-29	15-20-31	15-22-32	17-24-34
<b>10" Oval Inlet</b>	Airflow, CFM	<b>255</b>	<b>315</b>	<b>370</b>	<b>430</b>	<b>485</b>	<b>545</b>	<b>600</b>
	Total Pressure	.048	.073	.099	.133	.168	.210	.253
	Static Pressure	.033	.049	.066	.088	.111	.139	.167
	Noise Criteria	12	19	24	29	34	38	41
	Throw	8-13-24	11-16-27	13-19-30	15-21-32	17-23-34	18-25-35	20-27-37
<b>12" Oval Inlet</b>	Airflow, CFM	<b>270</b>	<b>330</b>	<b>390</b>	<b>450</b>	<b>510</b>	<b>570</b>	<b>630</b>
	Total Pressure	.038	.056	.077	.102	.129	.162	.195
	Static Pressure	.028	.042	.056	.075	.094	.118	.142
	Noise Criteria	11	18	24	29	34	38	40
	Throw	8-13-24	12-16-26	14-19-29	16-21-31	18-23-33	19-25-34	21-27-36

See page C38 for performance data notes.

PLENUM SLOT AND LIGHT TROFFER DIFFUSERS

## PERFORMANCE DATA • MODEL SERIES 5800

### MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

#### 4 Slot • 24" (610) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>120</b>	<b>155</b>	<b>195</b>	<b>235</b>	<b>270</b>	<b>300</b>	<b>330</b>
	Total Pressure	.090	.131	.182	.242	.293	.338	.386
	Static Pressure	.064	.089	.115	.145	.165	.179	.194
	Noise Criteria	16	22	27	32	35	37	39
	Throw	7-12-21	10-16-24	13-21-27	16-24-30	17-26-32	19-28-33	20-30-34
<b>8" Round Inlet</b>	Airflow, CFM	<b>145</b>	<b>180</b>	<b>220</b>	<b>260</b>	<b>290</b>	<b>335</b>	<b>365</b>
	Total Pressure	.062	.090	.121	.159	.195	.230	.266
	Static Pressure	.051	.072	.095	.122	.146	.169	.194
	Noise Criteria	15	19	26	31	34	37	39
	Throw	11-16-26	13-19-29	15-21-31	16-22-33	17-24-35	18-25-36	19-26-37
<b>10" Oval Inlet</b>	Airflow, CFM	<b>165</b>	<b>205</b>	<b>245</b>	<b>285</b>	<b>325</b>	<b>365</b>	<b>405</b>
	Total Pressure	.044	.065	.090	.119	.153	.191	.233
	Static Pressure	.038	.055	.075	.100	.127	.158	.193
	Noise Criteria	12	19	24	29	33	36	40
	Throw	6-10-20	8-13-24	10-16-27	12-18-30	14-20-32	15-22-34	16-24-36

#### 4 Slot • 36" (914) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>140</b>	<b>180</b>	<b>225</b>	<b>270</b>	<b>315</b>	<b>355</b>	<b>400</b>
	Total Pressure	.064	.107	.164	.233	.315	.402	.508
	Static Pressure	.029	.049	.074	.103	.138	.178	.222
	Noise Criteria	8	17	24	29	34	37	41
	Throw	6-12-21	10-16-25	13-19-28	15-22-30	16-24-32	18-26-33	19-27-35
<b>8" Round Inlet</b>	Airflow, CFM	<b>165</b>	<b>220</b>	<b>270</b>	<b>325</b>	<b>375</b>	<b>430</b>	<b>480</b>
	Total Pressure	.047	.082	.126	.180	.242	.315	.395
	Static Pressure	.032	.056	.086	.123	.165	.214	.269
	Noise Criteria	15	19	24	29	34	38	41
	Throw	7-13-23	11-17-28	13-20-32	16-23-34	18-25-37	18-27-39	20-29-41
<b>10" Oval Inlet</b>	Airflow, CFM	<b>190</b>	<b>250</b>	<b>305</b>	<b>360</b>	<b>415</b>	<b>475</b>	<b>530</b>
	Total Pressure	.040	.072	.111	.159	.215	.281	.353
	Static Pressure	.031	.057	.089	.128	.174	.227	.286
	Noise Criteria	8	18	24	29	34	38	41
	Throw	9-17-26	15-23-32	20-26-35	23-31-38	25-34-40	27-36-41	29-38-45
<b>12" Oval Inlet</b>	Airflow, CFM	<b>210</b>	<b>275</b>	<b>340</b>	<b>405</b>	<b>470</b>	<b>535</b>	<b>600</b>
	Total Pressure	.033	.059	.092	.132	.179	.233	.294
	Static Pressure	.027	.049	.076	.110	.149	.194	.245
	Noise Criteria	9	17	24	29	34	37	41
	Throw	9-17-25	16-23-31	21-26-34	24-31-37	26-34-39	28-36-40	30-38-44

#### 4 Slot • 48" (1219) Long

<b>8" Round Inlet</b>	Airflow, CFM	<b>190</b>	<b>250</b>	<b>310</b>	<b>370</b>	<b>430</b>	<b>490</b>	<b>550</b>
	Total Pressure	.050	.086	.130	.182	.244	.314	.393
	Static Pressure	.026	.046	.070	.099	.133	.172	.216
	Noise Criteria	15	21	24	29	33	37	41
	Throw	5-10-19	8-13-22	10-15-24	13-17-26	14-19-28	16-21-29	17-22-31
<b>10" Oval Inlet</b>	Airflow, CFM	<b>225</b>	<b>290</b>	<b>360</b>	<b>430</b>	<b>500</b>	<b>565</b>	<b>635</b>
	Total Pressure	.043	.071	.108	.153	.205	.264	.332
	Static Pressure	.029	.048	.073	.104	.140	.182	.229
	Noise Criteria	13	20	24	29	33	36	39
	Throw	6-11-21	9-15-24	12-17-26	15-19-28	16-22-31	19-24-32	20-25-34
<b>12" Oval Inlet</b>	Airflow, CFM	<b>255</b>	<b>325</b>	<b>390</b>	<b>450</b>	<b>525</b>	<b>590</b>	<b>660</b>
	Total Pressure	.035	.058	.089	.125	.168	.217	.273
	Static Pressure	.026	.044	.067	.095	.128	.166	.209
	Noise Criteria	14	18	25	30	33	36	40
	Throw	6-11-21	9-15-24	13-17-25	16-19-27	17-22-30	20-24-31	21-25-33

See page C38 for performance data notes.

## PERFORMANCE DATA • MODEL SERIES 5800

### MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

4 Slot • 60" (1524) Long

<b>8" Round Inlet</b>	<b>Airflow, CFM</b>	<b>250</b>	<b>315</b>	<b>375</b>	<b>440</b>	<b>500</b>	<b>565</b>	<b>625</b>
	<b>Total Pressure</b>	.066	.102	.142	.192	.245	.310	.376
	<b>Static Pressure</b>	.032	.048	.065	.086	.109	.136	.163
	<b>Noise Criteria</b>	16	20	26	32	35	38	42
	<b>Throw</b>	5-10-17	9-13-22	9-16-27	12-18-29	14-20-32	15-22-34	16-24-36
<b>10" Oval Inlet</b>	<b>Airflow, CFM</b>	<b>290</b>	<b>365</b>	<b>435</b>	<b>505</b>	<b>575</b>	<b>650</b>	<b>720</b>
	<b>Total Pressure</b>	.048	.073	.101	.135	.173	.218	.265
	<b>Static Pressure</b>	.027	.041	.056	.074	.093	.116	.140
	<b>Noise Criteria</b>	20	24	30	32	35	38	42
	<b>Throw</b>	6-11-19	10-15-24	11-18-29	14-21-32	16-23-35	17-25-37	19-27-39
<b>12" Oval Inlet</b>	<b>Airflow, CFM</b>	<b>320</b>	<b>360</b>	<b>455</b>	<b>540</b>	<b>635</b>	<b>715</b>	<b>800</b>
	<b>Total Pressure</b>	.042	.067	.099	.135	.179	.227	.283
	<b>Static Pressure</b>	.029	.045	.065	.090	.118	.150	.186
	<b>Noise Criteria</b>	18	23	26	29	34	38	41
	<b>Throw</b>	6-11-19	10-15-24	12-18-28	15-21-31	17-23-34	18-25-36	20-27-38

#### Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. Total and Static Pressure are in in. w.g..
3. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10<sup>-12</sup> watts. Dash (-) in space denotes a Noise Criteria level less than 15.
4. 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.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.