

## PERFORMANCE DATA • MODEL SERIES 5700

### MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

#### 1 Slot • 24" (610) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>	<b>100</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>70</b>	<b>80</b>	<b>90</b>	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>
	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
<b>10" Round Inlet</b>	Airflow, CFM	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>
	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

<b>6" 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	.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
<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	.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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>240</b>	<b>260</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>240</b>	<b>260</b>	<b>280</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>90</b>	<b>110</b>	<b>130</b>	<b>150</b>	<b>170</b>	<b>190</b>	<b>210</b>
	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
<b>8" 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	.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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>120</b>	<b>150</b>	<b>180</b>	<b>210</b>	<b>240</b>	<b>270</b>	<b>300</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>170</b>	<b>200</b>	<b>230</b>	<b>260</b>	<b>270</b>	<b>300</b>	<b>330</b>
	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.

PLENUM SLOT AND LIGHT TROFFER DIFFUSERS

## PERFORMANCE DATA • MODEL SERIES 5700

### MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

#### 2 Slot • 24" (610) Long

<b>6" Round Inlet</b>	Airflow, CFM	<b>40</b>	<b>50</b>	<b>60</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>40</b>	<b>55</b>	<b>65</b>	<b>80</b>	<b>105</b>	<b>130</b>	<b>160</b>
	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
<b>10" Round Inlet</b>	Airflow, CFM	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>60</b>	<b>90</b>	<b>120</b>	<b>150</b>	<b>180</b>	<b>210</b>	<b>240</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>70</b>	<b>105</b>	<b>140</b>	<b>175</b>	<b>210</b>	<b>245</b>	<b>280</b>
	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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>90</b>	<b>115</b>	<b>145</b>	<b>180</b>	<b>230</b>	<b>295</b>	<b>320</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>100</b>	<b>140</b>	<b>180</b>	<b>220</b>	<b>260</b>	<b>300</b>	<b>340</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>110</b>	<b>140</b>	<b>170</b>	<b>200</b>	<b>230</b>	<b>260</b>	<b>290</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>125</b>	<b>165</b>	<b>205</b>	<b>245</b>	<b>285</b>	<b>325</b>	<b>350</b>
	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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>150</b>	<b>190</b>	<b>230</b>	<b>270</b>	<b>310</b>	<b>350</b>	<b>390</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>180</b>	<b>220</b>	<b>260</b>	<b>300</b>	<b>340</b>	<b>380</b>	<b>420</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>175</b>	<b>200</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>65</b>	<b>80</b>	<b>100</b>	<b>125</b>	<b>160</b>	<b>200</b>	<b>255</b>
	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
<b>10" Round Inlet</b>	Airflow, CFM	<b>80</b>	<b>110</b>	<b>140</b>	<b>170</b>	<b>200</b>	<b>230</b>	<b>260</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>80</b>	<b>120</b>	<b>160</b>	<b>200</b>	<b>240</b>	<b>280</b>	<b>320</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>
	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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>115</b>	<b>145</b>	<b>185</b>	<b>230</b>	<b>295</b>	<b>370</b>	<b>470</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>125</b>	<b>185</b>	<b>245</b>	<b>305</b>	<b>365</b>	<b>425</b>	<b>485</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>125</b>	<b>175</b>	<b>225</b>	<b>275</b>	<b>325</b>	<b>350</b>	<b>375</b>
	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
<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	.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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>	<b>450</b>	<b>500</b>	<b>550</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>275</b>	<b>325</b>	<b>375</b>	<b>425</b>	<b>475</b>	<b>525</b>	<b>575</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>60</b>	<b>90</b>	<b>120</b>	<b>150</b>	<b>180</b>	<b>210</b>	<b>240</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>80</b>	<b>100</b>	<b>125</b>	<b>155</b>	<b>195</b>	<b>250</b>	<b>315</b>
	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
<b>10" Round Inlet</b>	Airflow, CFM	<b>110</b>	<b>150</b>	<b>190</b>	<b>230</b>	<b>270</b>	<b>310</b>	<b>350</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>120</b>	<b>180</b>	<b>240</b>	<b>300</b>	<b>360</b>	<b>420</b>	<b>480</b>
	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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>145</b>	<b>180</b>	<b>225</b>	<b>290</b>	<b>360</b>	<b>450</b>	<b>580</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>260</b>	<b>320</b>	<b>380</b>	<b>440</b>	<b>500</b>	<b>560</b>	<b>620</b>
	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

<b>6" Round Inlet</b>	Airflow, CFM	<b>180</b>	<b>220</b>	<b>260</b>	<b>300</b>	<b>340</b>	<b>380</b>	<b>420</b>
	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
<b>8" Round Inlet</b>	Airflow, CFM	<b>220</b>	<b>270</b>	<b>320</b>	<b>370</b>	<b>420</b>	<b>470</b>	<b>520</b>
	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
<b>10" Oval Inlet</b>	Airflow, CFM	<b>310</b>	<b>370</b>	<b>430</b>	<b>490</b>	<b>550</b>	<b>610</b>	<b>670</b>
	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
<b>12" Oval Inlet</b>	Airflow, CFM	<b>320</b>	<b>380</b>	<b>440</b>	<b>500</b>	<b>560</b>	<b>620</b>	<b>680</b>
	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.

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## 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<sup>-12</sup> 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 – 2023

### 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<sup>-12</sup> 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 70-2023