



ENGINEERING DATA

SVPS, SVPS-NR, 1 Slot

6" Inlet 1 Slot			25	35	45	55	65	75	85
3/4" Slot Width	24"	Airflow (CFM)	25	35	45	55	65	75	85
		Total Pressure	0.021	0.041	0.068	0.102	0.142	0.189	0.243
		Static Pressure	0.020	0.039	0.064	0.096	0.134	0.179	0.230
		Noise Criteria	-	16	23	28	33	37	40
		Throw	3-7-14	6-10-20	9-13-23	10-16-25	12-19-27	14-21-29	16-22-31
		Throw	3-7-14	6-10-20	9-13-23	10-16-25	12-19-27	14-21-29	16-22-31
	48"	Airflow (CFM)	30	45	60	75	90	105	120
		Total Pressure	0.014	0.032	0.057	0.090	0.129	0.175	0.229
		Static Pressure	0.013	0.029	0.051	0.079	0.114	0.156	0.203
		Noise Criteria	-	12	20	26	31	35	39
		Throw	2-5-10	5-8-12	7-10-14	8-11-16	10-12-17	11-13-19	12-14-20
		Throw	2-5-10	5-8-12	7-10-14	8-11-16	10-12-17	11-13-19	12-14-20
1" Slot Width	24"	Airflow (CFM)	30	45	60	75	90	105	120
		Total Pressure	0.015	0.034	0.060	0.093	0.134	0.182	0.238
		Static Pressure	0.013	0.030	0.053	0.083	0.120	0.163	0.213
		Noise Criteria	-	11	19	25	30	34	38
		Throw	3-7-15	7-11-22	10-15-26	12-19-29	15-22-32	14-25-35	20-26-37
		Throw	3-7-15	7-11-22	10-15-26	12-19-29	15-22-32	14-25-35	20-26-37
	48"	Airflow (CFM)	50	73	95	118	140	163	185
		Total Pressure	0.017	0.036	0.062	0.094	0.134	0.180	0.233
		Static Pressure	0.013	0.026	0.045	0.069	0.099	0.133	0.172
		Noise Criteria	-	14	21	27	32	36	39
		Throw	4-7-13	7-11-16	9-13-18	11-14-20	13-15-22	14-17-23	14-18-25
		Throw	4-7-13	7-11-16	9-13-18	11-14-20	13-15-22	14-17-23	14-18-25
1-1/2" Slot Width	24"	Airflow (CFM)	40	58	75	93	110	128	145
		Total Pressure	0.020	0.041	0.070	0.107	0.151	0.203	0.262
		Static Pressure	0.017	0.035	0.060	0.091	0.129	0.174	0.224
		Noise Criteria	-	17	24	30	35	39	42
		Throw	3-7-16	6-12-23	10-15-29	12-19-33	15-22-36	17-26-38	19-29-41
		Throw	3-7-16	6-12-23	10-15-29	12-19-33	15-22-36	17-26-38	19-29-41
	48"	Airflow (CFM)	60	83	105	128	150	173	195
		Total Pressure	0.021	0.040	0.064	0.095	0.131	0.173	0.221
		Static Pressure	0.015	0.027	0.044	0.066	0.091	0.120	0.153
		Noise Criteria	-	16	23	28	33	36	40
		Throw	3-7-14	6-10-17	8-12-19	10-15-21	12-16-23	14-17-24	15-18-26
		Throw	3-7-14	6-10-17	8-12-19	10-15-21	12-16-23	14-17-24	15-18-26

8" Inlet 1 Slot			30	43	55	68	80	93	105
3/4" Slot Width	24"	Airflow (CFM)	30	43	55	68	80	93	105
		Total Pressure	0.029	0.058	0.098	0.147	0.207	0.276	0.356
		Static Pressure	0.028	0.057	0.096	0.144	0.202	0.270	0.348
		Noise Criteria	-	15	22	28	33	37	40
		Throw	5-9-17	8-12-22	10-16-25	13-19-28	15-21-30	18-23-33	20-25-35
		Throw	5-9-17	8-12-22	10-16-25	13-19-28	15-21-30	18-23-33	20-25-35
	48"	Airflow (CFM)	45	63	80	98	115	133	150
		Total Pressure	0.020	0.038	0.062	0.092	0.128	0.170	0.218
		Static Pressure	0.018	0.035	0.058	0.086	0.119	0.158	0.202
		Noise Criteria	-	15	22	27	32	36	39
		Throw	5-8-12	7-10-15	9-12-16	10-13-18	11-14-20	12-15-21	13-16-23
		Throw	5-8-12	7-10-15	9-12-16	10-13-18	11-14-20	12-15-21	13-16-23
1" Slot Width	24"	Airflow (CFM)	40	60	80	100	120	140	160
		Total Pressure	0.030	0.068	0.121	0.188	0.271	0.369	0.482
		Static Pressure	0.029	0.065	0.116	0.181	0.261	0.356	0.464
		Noise Criteria	-	13	21	27	32	37	40
		Throw	5-10-20	10-15-26	13-20-30	16-24-34	20-26-37	23-28-40	25-30-43
		Throw	5-10-20	10-15-26	13-20-30	16-24-34	20-26-37	23-28-40	25-30-43
	48"	Airflow (CFM)	55	83	110	138	165	193	220
		Total Pressure	0.014	0.031	0.055	0.085	0.123	0.167	0.219
		Static Pressure	0.012	0.026	0.046	0.072	0.104	0.142	0.185
		Noise Criteria	-	11	19	25	30	35	38
		Throw	5-10-20	10-15-26	13-20-30	16-24-34	20-26-37	23-28-40	25-30-43
		Throw	5-10-20	10-15-26	13-20-30	16-24-34	20-26-37	23-28-40	25-30-43
1-1/2" Slot Width	24"	Airflow (CFM)	50	70	90	110	130	150	170
		Total Pressure	0.030	0.060	0.099	0.147	0.206	0.274	0.352
		Static Pressure	0.029	0.056	0.093	0.139	0.194	0.258	0.332
		Noise Criteria	-	16	23	29	33	37	41
		Throw	5-10-20	9-14-28	12-18-32	15-22-36	17-26-39	20-29-42	23-31-44
		Throw	5-10-20	9-14-28	12-18-32	15-22-36	17-26-39	20-29-42	23-31-44
	48"	Airflow (CFM)	75	105	135	165	195	225	255
		Total Pressure	0.020	0.039	0.065	0.097	0.136	0.181	0.232
		Static Pressure	0.016	0.032	0.053	0.078	0.110	0.146	0.187
		Noise Criteria	-	17	24	29	34	38	41
		Throw	5-9-16	8-12-19	11-15-21	13-17-24	15-18-26	16-20-28	17-21-29
		Throw	5-9-16	8-12-19	11-15-21	13-17-24	15-18-26	16-20-28	17-21-29

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.

Plenum Slots



ENGINEERING DATA

SVPS, SVPS-NR, 1 Slot

10" Inlet 1 Slot									
3/4" Slot Width	24"	Airflow (CFM)	30	43	55	68	80	93	105
		Total Pressure	0.038	0.076	0.128	0.193	0.271	0.362	0.466
		Static Pressure	0.038	0.076	0.127	0.191	0.268	0.359	0.462
		Noise Criteria	-	11	18	24	29	33	36
		Throw	5-9-17	8-12-22	10-16-25	13-19-28	15-21-30	18-23-33	20-25-35
	48"	Airflow (CFM)	50	73	95	118	140	163	185
		Total Pressure	0.020	0.042	0.073	0.111	0.158	0.212	0.275
		Static Pressure	0.019	0.040	0.069	0.106	0.150	0.203	0.263
		Noise Criteria	-	15	23	29	33	38	41
		Throw	6-8-13	8-11-16	10-13-18	12-14-20	13-15-22	14-17-23	14-18-25
1" Slot Width	24"	Airflow (CFM)	55	68	80	93	105	118	130
		Total Pressure	0.088	0.133	0.187	0.250	0.322	0.403	0.494
		Static Pressure	0.087	0.131	0.185	0.247	0.318	0.398	0.487
		Noise Criteria	-	13	17	21	25	28	31
		Throw	9-14-25	11-17-28	13-20-30	15-23-33	17-25-35	19-26-37	21-27-39
	48"	Airflow (CFM)	60	95	130	165	200	235	270
		Total Pressure	0.015	0.037	0.069	0.111	0.163	0.225	0.298
		Static Pressure	0.013	0.034	0.063	0.101	0.149	0.205	0.271
		Noise Criteria	-	11	20	27	32	36	40
		Throw	6-9-14	9-13-18	12-15-21	14-17-24	15-18-26	16-20-28	17-21-30
1-1/2" Slot Width	24"	Airflow (CFM)	50	70	90	110	130	150	170
		Total Pressure	0.041	0.079	0.131	0.196	0.274	0.365	0.468
		Static Pressure	0.040	0.078	0.128	0.192	0.268	0.356	0.458
		Noise Criteria	-	12	19	25	29	33	37
		Throw	5-10-20	9-14-28	12-18-32	15-22-36	17-26-39	20-29-42	23-31-44
	48"	Airflow (CFM)	90	120	150	180	210	240	270
		Total Pressure	0.024	0.043	0.067	0.097	0.132	0.172	0.218
		Static Pressure	0.021	0.038	0.059	0.085	0.116	0.151	0.191
		Noise Criteria	-	17	23	28	32	36	39
		Throw	7-11-17	10-14-20	12-16-23	14-17-25	15-19-27	16-20-28	17-21-30

12" Inlet 1 Slot									
3/4" Slot Width	48"	Airflow (CFM)	75	100	125	150	175	200	225
		Total Pressure	0.049	0.087	0.135	0.195	0.265	0.346	0.438
		Static Pressure	0.048	0.085	0.133	0.192	0.261	0.341	0.431
		Noise Criteria	-	18	24	29	34	37	41
		Throw	8-11-16	11-13-18	12-15-21	13-16-23	14-17-24	15-18-26	16-20-28
1" Slot Width	48"	Airflow (CFM)	110	140	170	200	230	260	290
		Total Pressure	0.065	0.105	0.155	0.214	0.283	0.361	0.450
		Static Pressure	0.063	0.102	0.151	0.208	0.276	0.352	0.438
		Noise Criteria	-	16	21	26	30	33	36
		Throw	11-14-19	13-15-22	14-17-24	15-18-26	16-20-28	17-21-30	18-22-31
1-1/2" Slot Width	48"	Airflow (CFM)	100	140	180	220	260	300	340
		Total Pressure	0.033	0.064	0.106	0.159	0.222	0.295	0.379
		Static Pressure	0.031	0.062	0.102	0.152	0.213	0.283	0.363
		Noise Criteria	-	15	22	27	32	36	39
		Throw	8-12-18	11-15-22	14-17-25	16-19-27	17-21-30	18-23-32	20-24-34

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.



ENGINEERING DATA

SVPS, SVPS-NR, 2 Slot

6" Inlet 2 Slot			40	55	70	85	100	115	130
3/4" Slot Width	24"	Airflow (CFM)	40	55	70	85	100	115	130
		Total Pressure	0.025	0.048	0.078	0.115	0.159	0.210	0.269
		Static Pressure	0.023	0.043	0.069	0.102	0.141	0.187	0.239
		Noise Criteria	-	17	24	29	34	38	41
		Throw	3-7-16	6-11-22	9-14-28	11-17-31	13-20-34	15-23-36	17-26-39
	48"	Airflow (CFM)	40	65	90	115	140	165	190
		Total Pressure	0.018	0.046	0.089	0.145	0.215	0.298	0.395
		Static Pressure	0.015	0.039	0.074	0.121	0.180	0.249	0.331
		Noise Criteria	-	11	20	27	33	37	41
		Throw	1-3-10	4-8-15	7-11-17	9-14-20	11-15-22	13-17-24	15-18-25
1" Slot Width	24"	Airflow (CFM)	60	83	105	128	150	173	195
		Total Pressure	0.025	0.046	0.075	0.111	0.153	0.203	0.259
		Static Pressure	0.018	0.034	0.055	0.082	0.113	0.150	0.191
		Noise Criteria	-	17.000	24.000	29.000	34.000	38.000	41.000
		Throw	4-10-21	8-14-29	12-18-35	15-22-38	17-26-42	20-30-45	23-34-47
	48"	Airflow (CFM)	75	110	145	180	215	250	285
		Total Pressure	0.025	0.053	0.092	0.142	0.202	0.274	0.356
		Static Pressure	0.015	0.031	0.054	0.084	0.120	0.162	0.211
		Noise Criteria	-	15	22	28	33	37	41
		Throw	3-7-15	7-11-19	10-15-22	12-17-25	15-19-27	17-21-29	18-22-31
1-1/2" Slot Width	24"	Airflow (CFM)	60	83	105	128	150	173	195
		Total Pressure	0.021	0.040	0.064	0.095	0.131	0.173	0.221
		Static Pressure	0.015	0.027	0.044	0.066	0.091	0.120	0.153
		Noise Criteria	-	16	23	28	33	36	40
		Throw	2-5-17	4-10-24	7-15-30	11-18-36	14-21-42	16-25-45	19-28-47
	48"	Airflow (CFM)	70	110	150	190	230	270	310
		Total Pressure	0.019	0.048	0.089	0.144	0.210	0.290	0.382
		Static Pressure	0.011	0.026	0.049	0.079	0.116	0.160	0.210
		Noise Criteria	-	13	22	28	34	38	42
		Throw	2-3-12	4-9-18	7-13-23	11-16-25	13-19-28	15-21-30	17-23-32

8" Inlet 2 Slot			30	53	75	98	120	143	165
3/4" Slot Width	24"	Airflow (CFM)	30	53	75	98	120	143	165
		Total Pressure	0.009	0.027	0.054	0.092	0.139	0.197	0.264
		Static Pressure	0.008	0.025	0.051	0.086	0.130	0.183	0.245
		Noise Criteria	-	-	20	27	33	38	42
		Throw	2-4-12	5-11-21	10-15-29	13-20-34	16-24-37	19-29-41	22-31-44
	48"	Airflow (CFM)	60	90	120	150	180	210	240
		Total Pressure	0.019	0.043	0.076	0.119	0.172	0.234	0.306
		Static Pressure	0.017	0.037	0.066	0.104	0.150	0.204	0.266
		Noise Criteria	-	15	23	29	34	38	42
		Throw	3-7-14	7-11-17	10-14-20	12-16-23	14-17-25	15-19-27	16-20-28
1" Slot Width	24"	Airflow (CFM)	75	103	130	158	185	213	240
		Total Pressure	0.025	0.047	0.076	0.112	0.155	0.204	0.260
		Static Pressure	0.022	0.040	0.065	0.095	0.131	0.173	0.221
		Noise Criteria	-	17	24	29	34	37	41
		Throw	7-13-26	12-18-34	15-23-39	18-28-43	22-32-46	25-35-49	28-37-53
	48"	Airflow (CFM)	90	133	175	218	260	303	345
		Total Pressure	0.018	0.039	0.068	0.105	0.150	0.203	0.263
		Static Pressure	0.012	0.027	0.047	0.072	0.103	0.139	0.181
		Noise Criteria	-	14	21	27	32	37	40
		Throw	5-9-17	9-14-21	12-17-24	15-19-27	17-21-30	18-23-32	20-24-34
1-1/2" Slot Width	24"	Airflow (CFM)	75	105	135	165	195	225	255
		Total Pressure	0.020	0.039	0.065	0.097	0.136	0.181	0.232
		Static Pressure	0.016	0.032	0.053	0.078	0.110	0.146	0.187
		Noise Criteria	-	17	24	29	34	38	41
		Throw	4-8-21	7-15-30	12-19-39	16-24-44	19-28-47	21-32-51	24-36-54
	48"	Airflow (CFM)	90	135	180	225	270	315	360
		Total Pressure	0.016	0.035	0.063	0.098	0.141	0.192	0.251
		Static Pressure	0.010	0.023	0.040	0.063	0.091	0.124	0.161
		Noise Criteria	-	13	21	27	32	37	40
		Throw	3-6-15	6-11-21	10-15-25	13-19-28	15-21-30	18-23-33	20-25-35

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.

Plenum Slots



ENGINEERING DATA

SVPS, SVPS-NR, 2 Slot

10" Inlet 2 Slot									
3/4" Slot Width	24"	Airflow (CFM)	40	65	90	115	140	165	190
		Total Pressure	0.013	0.034	0.065	0.106	0.158	0.219	0.290
		Static Pressure	0.012	0.032	0.062	0.102	0.150	0.209	0.277
		Noise Criteria	-	12	21	28	33	38	42
		Throw	3-7-16	8-13-26	12-18-32	15-23-36	19-28-40	22-31-44	26-33-47
	48"	Airflow (CFM)	80	110	140	170	200	230	260
		Total Pressure	0.022	0.042	0.069	0.101	0.140	0.185	0.237
		Static Pressure	0.020	0.038	0.062	0.091	0.126	0.166	0.212
		Noise Criteria	-	16	23	28	33	37	40
		Throw	6-10-16	9-13-19	11-15-22	13-17-24	15-18-26	16-20-28	17-21-30
1" Slot Width	24"	Airflow (CFM)	90	120	150	180	210	240	270
		Total Pressure	0.033	0.059	0.092	0.132	0.180	0.235	0.298
		Static Pressure	0.030	0.054	0.084	0.120	0.164	0.214	0.271
		Noise Criteria	-	18	24	29	33	37	40
		Throw	10-16-31	14-21-37	17-26-42	21-31-46	24-35-49	28-37-53	31-39-56
	48"	Airflow (CFM)	120	170	220	270	320	370	420
		Total Pressure	0.022	0.044	0.074	0.111	0.156	0.209	0.269
		Static Pressure	0.017	0.034	0.056	0.085	0.119	0.159	0.205
		Noise Criteria	-	17	24	30	34	38	42
		Throw	8-12-20	12-17-24	15-19-27	17-21-30	19-23-33	20-25-35	22-27-38
1-1/2" Slot Width	24"	Airflow (CFM)	90	125	160	195	230	265	300
		Total Pressure	0.024	0.047	0.077	0.114	0.158	0.210	0.269
		Static Pressure	0.021	0.041	0.067	0.100	0.139	0.184	0.236
		Noise Criteria	-	18	25	30	35	38	42
		Throw	5-12-26	10-18-36	15-23-43	19-28-47	22-33-51	25-38-55	29-42-59
	48"	Airflow (CFM)	100	155	210	265	320	375	430
		Total Pressure	0.013	0.031	0.057	0.090	0.131	0.181	0.237
		Static Pressure	0.009	0.022	0.041	0.065	0.094	0.130	0.170
		Noise Criteria	-	13	21	28	33	37	41
		Throw	3-7-17	8-13-23	12-18-27	15-21-30	18-23-33	21-25-36	22-27-38

12" Inlet 2 Slot									
3/4" Slot Width	48"	Airflow (CFM)	100	140	180	220	260	300	340
		Total Pressure	0.022	0.043	0.072	0.107	0.150	0.200	0.256
		Static Pressure	0.021	0.041	0.067	0.101	0.141	0.187	0.241
		Noise Criteria	-	17	24	29	34	38	41
		Throw	8-12-18	11-15-22	14-17-25	16-19-27	17-21-30	18-23-32	20-24-34
1" Slot Width	48"	Airflow (CFM)	120	185	250	315	380	445	510
		Total Pressure	0.015	0.036	0.067	0.106	0.154	0.211	0.277
		Static Pressure	0.013	0.032	0.058	0.092	0.134	0.184	0.242
		Noise Criteria	-	13	21	28	33	37	41
		Throw	8-12-20	13-18-25	17-21-29	19-23-33	21-25-36	22-27-39	24-29-42
1-1/2" Slot Width	48"	Airflow (CFM)	150	210	270	330	390	450	510
		Total Pressure	0.018	0.036	0.060	0.089	0.125	0.166	0.213
		Static Pressure	0.015	0.030	0.050	0.075	0.104	0.139	0.178
		Noise Criteria	-	15	22	28	32	36	40
		Throw	7-13-23	12-18-27	15-21-30	18-24-33	21-26-36	23-28-39	24-29-42

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.



ENGINEERING DATA

SVPS, 3-Slot

6" Inlet 3 Slot									
3/4" Slot Width	24"	Airflow (CFM)	50	68	85	103	120	138	155
		Total Pressure	0.031	0.056	0.090	0.130	0.179	0.234	0.298
		Static Pressure	0.027	0.048	0.077	0.112	0.153	0.201	0.255
		Noise Criteria	-	17	23	28	33	37	40
		Throw	3-6-16	5-10-22	7-14-28	11-17-34	13-20-37	15-23-40	17-26-42
	48"	Airflow (CFM)	70	95	120	145	170	195	220
		Total Pressure	0.047	0.087	0.139	0.203	0.279	0.367	0.468
		Static Pressure	0.039	0.071	0.113	0.166	0.228	0.300	0.381
		Noise Criteria	-	16	22	27	32	36	39
		Throw	2-5-14	4-9-18	7-12-20	9-14-22	11-16-24	13-18-26	14-19-27
1" Slot Width	24"	Airflow (CFM)	60	90	120	150	180	210	240
		Total Pressure	0.018	0.041	0.073	0.114	0.164	0.224	0.292
		Static Pressure	0.012	0.027	0.047	0.074	0.107	0.145	0.189
		Noise Criteria	-	13	21	27	33	37	40
		Throw	2-5-17	5-12-26	9-17-34	14-21-42	17-26-46	20-30-49	23-34-53
	48"	Airflow (CFM)	100	143	185	228	270	313	355
		Total Pressure	0.038	0.077	0.129	0.195	0.275	0.369	0.476
		Static Pressure	0.020	0.040	0.068	0.103	0.145	0.194	0.251
		Noise Criteria	-	15	23	28	33	37	41
		Throw	3-7-17	6-12-22	10-16-25	3-19-28	15-21-30	18-23-33	20-24-35
1-1/2" Slot Width	24"	Airflow (CFM)	75	105	135	165	195	225	255
		Total Pressure	0.025	0.050	0.082	0.123	0.172	0.229	0.294
		Static Pressure	0.015	0.030	0.050	0.074	0.104	0.138	0.177
		Noise Criteria	-	16	23	29	34	38	41
		Throw	2-5-17	4-9-24	7-15-31	10-19-38	14-23-45	17-26-51	20-30-54
	48"	Airflow (CFM)	100	145	190	235	280	325	370
		Total Pressure	0.035	0.074	0.126	0.193	0.275	0.370	0.480
		Static Pressure	0.017	0.036	0.062	0.095	0.135	0.181	0.235
		Noise Criteria	-	15	22	28	33	37	41
		Throw	2-4-14	4-8-20	6-13-25	10-16-28	13-19-31	15-22-33	17-25-35

8" Inlet 3 Slot									
3/4" Slot Width	24"	Airflow (CFM)	55	80	105	130	155	180	205
		Total Pressure	0.020	0.042	0.071	0.110	0.156	0.210	0.273
		Static Pressure	0.018	0.037	0.064	0.098	0.139	0.188	0.244
		Noise Criteria	-	16	23	29	34	38	42
		Throw	3-7-18	6-13-26	11-17-35	14-21-39	17-26-42	20-30-46	23-34-49
	48"	Airflow (CFM)	90	125	160	195	230	265	300
		Total Pressure	0.035	0.068	0.111	0.165	0.230	0.305	0.391
		Static Pressure	0.030	0.057	0.093	0.139	0.193	0.256	0.329
		Noise Criteria	-	17	24	30	34	38	42
		Throw	4-9-17	8-12-21	10-16-23	13-18-26	15-20-28	17-21-30	18-23-32
1" Slot Width	24"	Airflow (CFM)	75	115	155	195	235	275	315
		Total Pressure	0.016	0.037	0.067	0.107	0.155	0.212	0.279
		Static Pressure	0.012	0.028	0.051	0.081	0.117	0.160	0.210
		Noise Criteria	-	14	23	29	34	38	42
		Throw	4-8-21	9-16-33	15-22-42	19-28-47	22-34-52	26-39-56	30-43-60
	48"	Airflow (CFM)	115	170	225	280	335	390	445
		Total Pressure	0.023	0.050	0.088	0.137	0.196	0.265	0.346
		Static Pressure	0.014	0.031	0.053	0.083	0.118	0.161	0.209
		Noise Criteria	-	14	22	28	33	37	41
		Throw	4-9-19	9-14-24	13-19-28	16-22-31	19-24-34	21-26-36	22-27-39
1-1/2" Slot Width	24"	Airflow (CFM)	80	120	160	200	240	280	320
		Total Pressure	0.015	0.034	0.061	0.095	0.137	0.186	0.243
		Static Pressure	0.011	0.024	0.043	0.067	0.097	0.132	0.173
		Noise Criteria	-	14	22	28	33	38	41
		Throw	2-5-19	5-12-28	9-19-37	14-23-47	19-28-53	22-33-57	25-37-61
	48"	Airflow (CFM)	125	180	235	290	345	400	455
		Total Pressure	0.025	0.051	0.087	0.133	0.188	0.252	0.327
		Static Pressure	0.014	0.029	0.049	0.075	0.106	0.142	0.184
		Noise Criteria	-	15	22	28	33	37	41
		Throw	3-6-17	6-12-25	10-16-28	13-20-31	16-24-34	18-26-37	21-28-39

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.

Plenum Slots



ENGINEERING DATA

SVPS, 3-Slot

10" Inlet 3 Slot			60	90	120	150	180	210	240
3/4" Slot Width	24"	Airflow (CFM)	60	90	120	150	180	210	240
		Total Pressure	0.017	0.037	0.067	0.104	0.150	0.204	0.266
		Static Pressure	0.015	0.035	0.061	0.096	0.138	0.188	0.245
		Noise Criteria	-	15	23	29	34	38	42
		Throw	4-8-20	8-15-30	13-20-37	16-25-42	20-30-46	23-35-49	26-37-53
	48"	Airflow (CFM)	100	143	185	228	270	313	355
		Total Pressure	0.027	0.054	0.091	0.138	0.194	0.260	0.335
		Static Pressure	0.023	0.047	0.079	0.119	0.167	0.224	0.289
		Noise Criteria	-	17	24	30	35	39	42
		Throw	5-10-18	9-14-22	12-18-25	15-20-28	17-21-30	19-23-33	20-24-35
1" Slot Width	24"	Airflow (CFM)	100	140	180	220	260	300	340
		Total Pressure	0.021	0.042	0.069	0.103	0.143	0.191	0.245
		Static Pressure	0.018	0.034	0.057	0.085	0.119	0.158	0.203
		Noise Criteria	-	16	23	28	33	37	40
		Throw	7-14-29	13-20-40	17-26-46	21-31-50	25-37-55	29-42-59	32-44-63
	48"	Airflow (CFM)	130	190	250	310	370	430	490
		Total Pressure	0.019	0.040	0.069	0.106	0.150	0.203	0.264
		Static Pressure	0.012	0.027	0.046	0.071	0.101	0.136	0.177
		Noise Criteria	-	14	21	27	32	36	40
		Throw	5-11-21	11-16-25	14-21-29	17-23-32	20-25-35	22-27-38	23-29-41
1-1/2" Slot Width	24"	Airflow (CFM)	100	145	190	235	280	325	370
		Total Pressure	0.017	0.036	0.061	0.094	0.133	0.180	0.233
		Static Pressure	0.013	0.028	0.048	0.074	0.105	0.141	0.183
		Noise Criteria	-	16	23	29	34	38	41
		Throw	4-8-23	8-17-34	13-22-44	18-27-52	22-33-57	25-38-61	29-43-65
	48"	Airflow (CFM)	150	210	270	330	390	450	510
		Total Pressure	0.022	0.043	0.071	0.106	0.147	0.196	0.252
		Static Pressure	0.014	0.027	0.044	0.066	0.092	0.123	0.158
		Noise Criteria	-	15	22	28	32	36	40
		Throw	4-9-21	8-14-27	12-19-30	15-23-33	18-26-36	21-28-39	23-29-42

12" Inlet 3 Slot			130	183	235	288	340	393	445
3/4" Slot Width	48"	Airflow (CFM)	130	183	235	288	340	393	445
		Total Pressure	0.024	0.047	0.078	0.116	0.163	0.217	0.279
		Static Pressure	0.022	0.042	0.070	0.105	0.147	0.196	0.252
		Noise Criteria	-	18	25	30	35	39	42
		Throw	8-13-21	12-18-25	15-20-28	18-22-31	20-24-34	21-26-36	22-27-39
1" Slot Width	48"	Airflow (CFM)	160	235	310	385	460	535	610
		Total Pressure	0.016	0.034	0.060	0.092	0.132	0.178	0.231
		Static Pressure	0.012	0.027	0.047	0.072	0.103	0.139	0.181
		Noise Criteria	-	13	21	27	32	36	40
		Throw	8-13-23	13-20-28	17-23-32	21-26-36	23-28-39	25-30-43	26-32-45
1-1/2" Slot Width	48"	Airflow (CFM)	200	275	350	425	500	575	650
		Total Pressure	0.021	0.039	0.063	0.093	0.129	0.171	0.218
		Static Pressure	0.015	0.029	0.047	0.069	0.095	0.126	0.161
		Noise Criteria	-	17	23	29	33	37	40
		Throw	7-14-26	13-19-30	16-24-34	19-27-38	23-29-41	25-31-44	27-33-47

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.



ENGINEERING DATA

SVPS, 4-Slot

6" Inlet 4 Slot			60	80	100	120	140	160	180
3/4" Slot Width	24"	Airflow (CFM)	60	80	100	120	140	160	180
		Total Pressure	0.039	0.070	0.109	0.158	0.215	0.280	0.355
		Static Pressure	0.033	0.059	0.092	0.132	0.180	0.235	0.297
		Noise Criteria	-	17	23	28	33	36	40
		Throw	2-5-17	4-9-23	7-14-29	9-17-34	13-20-40	15-23-43	17-26-46
	48"	Airflow (CFM)	80	105	130	155	180	205	230
		Total Pressure	0.058	0.100	0.153	0.218	0.294	0.382	0.480
		Static Pressure	0.047	0.080	0.123	0.175	0.236	0.307	0.386
		Noise Criteria	-	14	20	25	29	33	36
		Throw	2-5-13	3-8-18	5-11-21	8-13-23	10-15-25	11-17-26	13-19-28
1" Slot Width	24"	Airflow (CFM)	65	100	135	170	205	240	275
		Total Pressure	0.018	0.044	0.080	0.127	0.184	0.252	0.331
		Static Pressure	0.011	0.026	0.047	0.075	0.109	0.149	0.196
		Noise Criteria	-	12	20	27	32	36	40
		Throw	2-4-16	4-10-25	8-17-33	12-21-42	17-25-49	20-30-53	23-34-56
	48"	Airflow (CFM)	115	158	200	243	285	328	370
		Total Pressure	0.046	0.087	0.140	0.206	0.285	0.376	0.480
		Static Pressure	0.023	0.043	0.069	0.101	0.140	0.185	0.236
		Noise Criteria	-	14	20	26	30	34	37
		Throw	3-6-17	5-11-23	8-15-26	12-18-29	14-21-31	16-24-33	18-25-35
1-1/2" Slot Width	24"	Airflow (CFM)	70	105	140	175	210	245	280
		Total Pressure	0.019	0.044	0.078	0.122	0.175	0.239	0.312
		Static Pressure	0.011	0.024	0.043	0.067	0.097	0.131	0.172
		Noise Criteria	-	12	20	26	31	35	39
		Throw	1-3-10	3-6-21	5-10-28	7-16-35	10-21-42	14-25-49	18-28-56
	48"	Airflow (CFM)	115	160	205	250	295	340	385
		Total Pressure	0.043	0.084	0.138	0.205	0.286	0.380	0.487
		Static Pressure	0.020	0.038	0.063	0.094	0.131	0.173	0.222
		Noise Criteria	-	13	20	25	30	34	37
		Throw	1-3-13	3-6-19	5-11-24	7-15-29	10-18-32	13-20-34	15-23-36

8" Inlet 4 Slot			60	90	120	150	180	210	240
3/4" Slot Width	24"	Airflow (CFM)	60	90	120	150	180	210	240
		Total Pressure	0.019	0.043	0.076	0.119	0.172	0.234	0.306
		Static Pressure	0.017	0.037	0.066	0.104	0.150	0.204	0.266
		Noise Criteria	-	15	23	29	34	38	42
		Throw	2-5-17	5-12-26	9-17-34	14-21-42	17-26-46	20-30-49	23-34-53
	48"	Airflow (CFM)	115	155	195	235	275	315	355
		Total Pressure	0.052	0.094	0.149	0.217	0.297	0.390	0.495
		Static Pressure	0.043	0.078	0.123	0.179	0.245	0.321	0.408
		Noise Criteria	-	19	25	30	35	39	42
		Throw	4-9-19	8-13-23	11-16-26	13-20-28	15-22-30	18-23-33	20-24-35
1" Slot Width	24"	Airflow (CFM)	90	135	180	225	270	315	360
		Total Pressure	0.018	0.040	0.072	0.112	0.161	0.220	0.287
		Static Pressure	0.012	0.028	0.049	0.077	0.111	0.151	0.198
		Noise Criteria	-	14	22	28	33	38	41
		Throw	3-8-22	8-17-33	14-22-44	19-28-51	22-33-56	26-39-60	30-44-64
	48"	Airflow (CFM)	140	200	260	320	380	440	500
		Total Pressure	0.030	0.062	0.105	0.159	0.224	0.300	0.387
		Static Pressure	0.017	0.034	0.058	0.088	0.124	0.166	0.215
		Noise Criteria	-	15	22	28	32	36	40
		Throw	4-9-20	8-15-26	13-19-30	16-23-33	18-25-36	21-27-39	24-29-41
1-1/2" Slot Width	24"	Airflow (CFM)	90	133	175	218	260	303	345
		Total Pressure	0.016	0.034	0.059	0.092	0.131	0.177	0.230
		Static Pressure	0.010	0.022	0.038	0.059	0.084	0.114	0.148
		Noise Criteria	-	13	20	26	31	35	39
		Throw	2-4-17	4-9-27	7-16-35	11-22-44	16-26-52	20-31-59	23-35-63
	48"	Airflow (CFM)	140	200	260	320	380	440	500
		Total Pressure	0.028	0.057	0.096	0.146	0.206	0.276	0.356
		Static Pressure	0.014	0.029	0.050	0.075	0.106	0.142	0.184
		Noise Criteria	-	13	21	26	31	35	39
		Throw	2-5-17	4-10-24	8-15-30	11-19-33	15-23-36	17-26-39	20-29-41

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.

Plenum Slots



ENGINEERING DATA

SVPS, 4-Slot

10" Inlet 4 Slot									
3/4" Slot Width	24"	Airflow (CFM)	80	113	145	178	210	243	275
		Total Pressure	0.022	0.044	0.074	0.110	0.155	0.206	0.265
		Static Pressure	0.020	0.040	0.066	0.099	0.139	0.185	0.238
		Noise Criteria	-	17	24	29	34	38	41
		Throw	4-9-23	8-16-32	14-21-41	17-25-45	20-30-49	25-35-53	26-39-56
	48"	Airflow (CFM)	120	168	215	263	310	358	405
		Total Pressure	0.033	0.065	0.107	0.159	0.222	0.296	0.380
		Static Pressure	0.028	0.055	0.090	0.135	0.188	0.249	0.320
		Noise Criteria	-	17	24	30	34	38	42
		Throw	5-10-20	9-14-24	12-18-27	15-21-30	17-23-32	20-25-35	21-26-37
1" Slot Width	24"	Airflow (CFM)	100	150	200	250	300	350	400
		Total Pressure	0.015	0.034	0.061	0.095	0.137	0.187	0.244
		Static Pressure	0.012	0.026	0.047	0.073	0.105	0.142	0.186
		Noise Criteria	-	13	21	27	32	37	40
		Throw	4-10-25	10-19-37	16-25-48	21-31-54	25-37-59	29-43-63	33-48-68
	48"	Airflow (CFM)	150	220	290	360	430	500	570
		Total Pressure	0.021	0.045	0.078	0.121	0.172	0.233	0.303
		Static Pressure	0.013	0.028	0.048	0.074	0.105	0.143	0.185
		Noise Criteria	-	13	21	27	32	36	40
		Throw	5-10-22	10-16-27	14-21-31	17-25-35	21-27-38	24-29-41	25-31-44
1-1/2" Slot Width	24"	Airflow (CFM)	100	155	210	265	320	375	430
		Total Pressure	0.013	0.031	0.057	0.090	0.131	0.181	0.237
		Static Pressure	0.009	0.022	0.041	0.065	0.094	0.130	0.170
		Noise Criteria	-	13	21	28	33	37	41
		Throw	2-5-20	6-13-31	10-21-42	16-27-53	22-32-61	25-38-66	29-43-70
	48"	Airflow (CFM)	160	235	310	385	460	535	610
		Total Pressure	0.022	0.046	0.081	0.125	0.178	0.241	0.313
		Static Pressure	0.012	0.026	0.046	0.071	0.101	0.137	0.178
		Noise Criteria	-	14	22	28	32	37	40
		Throw	3-6-19	6-14-28	11-18-32	15-23-36	18-27-39	21-30-43	24-32-45

12" Inlet 4 Slot									
3/4" Slot Width	48"	Airflow (CFM)	150	210	270	330	390	450	510
		Total Pressure	0.025	0.049	0.082	0.122	0.171	0.227	0.292
		Static Pressure	0.022	0.044	0.072	0.108	0.150	0.200	0.257
		Noise Criteria	-	17	24	30	34	38	42
		Throw	7-13-23	12-18-27	15-21-30	18-24-33	21-26-36	23-28-39	24-29-42
1" Slot Width	48"	Airflow (CFM)	190	290	390	490	590	690	790
		Total Pressure	0.017	0.040	0.072	0.114	0.165	0.226	0.297
		Static Pressure	0.012	0.029	0.052	0.082	0.118	0.162	0.212
		Noise Criteria	-	15	23	29	34	39	42
		Throw	7-14-25	14-21-31	19-26-36	23-29-41	26-32-45	28-34-48	30-37-52
1-1/2" Slot Width	48"	Airflow (CFM)	200	300	400	500	600	700	800
		Total Pressure	0.016	0.037	0.066	0.103	0.148	0.201	0.262
		Static Pressure	0.011	0.025	0.044	0.069	0.099	0.135	0.176
		Noise Criteria	-	15	23	29	34	38	42
		Throw	4-10-24	10-18-32	16-24-37	20-29-41	24-32-45	28-34-49	30-37-52

Notes:

1. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. Actual performance with flexible duct inlet may vary in the field.
2. Engineering Units: Static Pressure = in. wc; Total Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
3. Throw values given are for isothermal conditions.
4. Airflow given is for the length of the diffuser.
5. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
6. Dash (-) in space denotes an NC value of less than 10.