



ENGINEERING DATA

4000 Series A0 Core

2 Duct Width	Total Pressure	0.011	0.024	0.042	0.068	0.097	0.134	0.173	0.217	0.272
	Airflow (CFM/Linear Foot)	19	28	37	47	56	66	75	84	94
	Horizontal Throw	3-5-10	5-8-15	7-10-18	8-13-20	10-15-22	12-17-23	14-18-25	15-19-26	16-20-28
	Noise Criteria (NC)	-	-	-	14	19	24	27	31	34

2 1/2 Duct Width	Total Pressure	0.011	0.024	0.043	0.066	0.096	0.130	0.170	0.215	0.266
	Airflow (CFM/Linear Foot)	26	39	52	65	78	91	104	117	130
	Horizontal Throw	3-6-12	6-9-18	8-12-21	10-15-23	12-18-25	14-19-27	16-21-29	18-22-31	19-23-33
	Noise Criteria (NC)	-	-	-	15	20	25	29	32	35

3 Duct Width	Total Pressure	0.010	0.024	0.041	0.066	0.095	0.128	0.168	0.211	0.262
	Airflow (CFM/Linear Foot)	33	50	66	83	100	116	133	149	166
	Horizontal Throw	3-7-13	7-10-20	9-13-23	11-17-26	14-20-29	16-22-31	18-23-33	20-25-35	21-26-37
	Noise Criteria (NC)	-	-	-	16	21	26	30	33	36

3 1/2 Duct Width	Total Pressure	0.011	0.024	0.043	0.066	0.095	0.130	0.169	0.216	0.265
	Airflow (CFM/Linear Foot)	41	61	82	102	122	143	163	184	204
	Horizontal Throw	4-8-15	8-11-22	10-15-26	13-19-29	15-22-32	18-24-34	20-26-37	23-28-39	24-29-41
	Noise Criteria (NC)	-	-	-	17	22	27	30	34	37

4 Duct Width	Total Pressure	0.011	0.024	0.044	0.068	0.097	0.133	0.173	0.221	0.271
	Airflow (CFM/Linear Foot)	49	73	98	122	146	171	195	220	244
	Horizontal Throw	4-8-17	8-12-25	11-17-28	14-21-32	17-25-35	19-27-38	22-28-40	25-30-43	26-32-45
	Noise Criteria (NC)	-	-	12	18	23	28	32	35	38

5 Duct Width	Total Pressure	0.011	0.024	0.042	0.066	0.094	0.129	0.168	0.212	0.263
	Airflow (CFM/Linear Foot)	63	94	125	157	188	220	251	282	314
	Horizontal Throw	5-9-19	9-14-28	12-19-32	16-23-36	19-28-39	22-30-43	25-32-46	28-34-48	29-36-51
	Noise Criteria (NC)	-	-	12	19	24	29	32	36	39

6 Duct Width	Total Pressure	0.011	0.024	0.042	0.066	0.095	0.129	0.168	0.213	0.263
	Airflow (CFM/Linear Foot)	78	116	155	194	233	272	310	349	388
	Horizontal Throw	6-10-21	10-16-31	14-21-36	17-26-40	21-31-44	24-34-47	28-36-51	31-38-54	33-40-57
	Noise Criteria (NC)	-	-	13	20	25	30	33	37	40

See page LS~51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series A1 Core

2 Duct Width	Total Pressure	0.011	0.024	0.042	0.068	0.096	0.133	0.172	0.216	0.271
	Airflow (CFM/Linear Foot)	19	28	37	47	56	66	75	84	94
	Horizontal Throw	3-5-10	5-7-15	7-10-18	8-13-20	10-15-22	12-17-23	13-18-25	15-19-26	16-20-28
	Noise Criteria (NC)	-	-	14	21	26	31	34	38	41

2 1/2 Duct Width	Total Pressure	0.011	0.024	0.042	0.066	0.095	0.129	0.169	0.214	0.264
	Airflow (CFM/Linear Foot)	26	39	52	65	78	91	104	117	130
	Horizontal Throw	3-6-12	6-9-18	8-12-21	10-15-23	12-18-25	14-19-27	16-21-29	18-22-31	19-23-33
	Noise Criteria (NC)	-	-	16	22	27	31	35	39	42

3 Duct Width	Total Pressure	0.01	0.024	0.041	0.065	0.095	0.127	0.167	0.210	0.260
	Airflow (CFM/Linear Foot)	33	50	66	83	100	116	133	149	166
	Horizontal Throw	4-7-14	7-10-20	9-14-23	11-17-26	14-20-29	16-22-31	18-23-33	20-25-35	21-26-37
	Noise Criteria (NC)	-	-	16	23	28	32	36	39	42

3 1/2 Duct Width	Total Pressure	0.011	0.024	0.043	0.066	0.094	0.129	0.168	0.214	0.263
	Airflow (CFM/Linear Foot)	41	61	82	102	122	143	163	184	204
	Horizontal Throw	4-8-15	8-11-22	10-15-26	13-19-29	15-22-32	18-24-34	20-26-37	23-28-39	24-29-41
	Noise Criteria (NC)	-	-	17	24	29	33	37	40	43

4 Duct Width	Total Pressure	0.011	0.024	0.044	0.067	0.097	0.132	0.172	0.219	0.270
	Airflow (CFM/Linear Foot)	49	73	98	122	146	171	195	220	244
	Horizontal Throw	5-8-17	8-13-25	11-17-28	14-21-32	17-25-35	20-27-38	22-28-40	25-30-43	26-32-45
	Noise Criteria (NC)	-	-	18	25	30	34	38	41	44

5 Duct Width	Total Pressure	0.011	0.023	0.041	0.065	0.094	0.128	0.167	0.211	0.261
	Airflow (CFM/Linear Foot)	63	94	125	157	188	220	251	282	314
	Horizontal Throw	5-10-19	10-14-28	13-19-32	16-24-36	19-28-39	22-30-43	25-32-46	28-34-48	29-36-51
	Noise Criteria (NC)	-	-	19	25	30	35	39	42	45

6 Duct Width	Total Pressure	0.011	0.023	0.042	0.065	0.094	0.128	0.167	0.211	0.261
	Airflow (CFM/Linear Foot)	78	116	155	194	233	272	310	349	388
	Horizontal Throw	6-11-21	11-16-31	14-21-36	18-27-40	21-31-44	25-34-47	28-36-51	31-38-54	33-40-57
	Noise Criteria (NC)	-	11	20	26	31	36	39	43	46

See page LS-51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series B0 Core

2 Duct Width	Total Pressure	0.009	0.021	0.037	0.058	0.084	0.114	0.149	0.189	0.234
	Airflow (CFM/Linear Foot)	22	33	44	55	66	77	88	99	110
	Horizontal Throw	3-6-11	6-8-17	7-11-19	9-14-21	11-17-23	13-18-25	15-19-27	17-20-29	17-21-30
	Noise Criteria (NC)	-	-	-	12	17	21	25	28	31

2 1/2 Duct Width	Total Pressure	0.009	0.019	0.033	0.051	0.073	0.098	0.128	0.161	0.199
	Airflow (CFM/Linear Foot)	30	44	58	72	86	100	114	128	142
	Horizontal Throw	3-6-3	6-9-19	8-12-22	10-15-24	12-18-27	14-20-29	16-22-31	18-23-33	20-24-34
	Noise Criteria (NC)	-	-	-	12	17	21	24	28	30

3 Duct Width	Total Pressure	0.009	0.020	0.036	0.057	0.083	0.113	0.149	0.189	0.234
	Airflow (CFM/Linear Foot)	38	58	78	98	118	138	158	178	198
	Horizontal Throw	4-7-14	7-11-22	10-15-25	12-19-28	15-22-31	18-24-34	20-26-36	22-27-38	23-29-40
	Noise Criteria (NC)	-	-	-	14	19	24	27	31	34

3 1/2 Duct Width	Total Pressure	0.008	0.019	0.034	0.053	0.076	0.103	0.135	0.171	0.211
	Airflow (CFM/Linear Foot)	46	69	92	115	138	161	184	207	230
	Horizontal Throw	4-8-16	8-12-4	11-16-28	13-20-31	16-24-34	19-26-37	21-28-39	24-29-41	25-31-44
	Noise Criteria (NC)	-	-	-	14	19	23	27	30	33

4 Duct Width	Total Pressure	0.009	0.020	0.035	0.054	0.077	0.104	0.136	0.171	0.211
	Airflow (CFM/Linear Foot)	56	83	110	137	164	191	218	245	272
	Horizontal Throw	5-9-18	9-13-26	12-18-30	15-22-34	17-26-37	20-28-40	23-30-42	26-32-45	27-34-47
	Noise Criteria (NC)	-	-	-	15	20	24	28	31	34

5 Duct Width	Total Pressure	0.009	0.019	0.034	0.052	0.075	0.102	0.133	0.168	0.207
	Airflow (CFM/Linear Foot)	72	107	142	177	212	247	282	317	352
	Horizontal Throw	5-10-20	10-15-30	13-20-34	16-25-38	20-30-42	23-32-45	26-34-48	30-36-51	31-38-54
	Noise Criteria (NC)	-	-	10	16	21	25	29	32	35

6 Duct Width	Total Pressure	0.008	0.019	0.035	0.054	0.079	0.107	0.140	0.178	0.220
	Airflow (CFM/Linear Foot)	88	133	178	223	268	313	358	403	448
	Horizontal Throw	6-11-22	11-17-33	15-22-38	19-28-43	22-33-47	26-36-51	30-39-54	33-41-58	35-43-61
	Noise Criteria (NC)	-	-	11	17	22	27	30	34	37

See page LS~51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series B1 Core

2 Duct Width	Total Pressure	0.009	0.021	0.037	0.058	0.084	0.114	0.149	0.189	0.233
	Airflow (CFM/Linear Foot)	22	33	44	55	66	77	88	99	110
	Horizontal Throw	3-6-11	6-8-17	7-11-19	9-14-21	11-17-23	13-18-25	15-19-27	17-20-29	17-21-30
	Noise Criteria (NC)	-	-	12	19	24	29	33	36	40

2 1/2 Duct Width	Total Pressure	0.009	0.02	0.035	0.055	0.080	0.108	0.142	0.179	0.221
	Airflow (CFM/Linear Foot)	30	45	60	75	90	105	120	135	150
	Horizontal Throw	3-6-13	6-10-19	9-13-22	11-16-25	13-19-27	15-21-29	17-22-32	19-24-33	20-25-35
	Noise Criteria (NC)	-	-	13	20	25	30	34	37	40

3 Duct Width	Total Pressure	0.009	0.019	0.034	0.054	0.077	0.105	0.137	0.174	0.215
	Airflow (CFM/Linear Foot)	38	57	76	95	114	133	152	171	190
	Horizontal Throw	4-7-15	7-11-22	10-15-25	12-18-28	15-22-31	17-23-33	19-25-35	22-27-38	23-28-40
	Noise Criteria (NC)	-	-	14	20	26	30	34	38	41

3 1/2 Duct Width	Total Pressure	0.008	0.018	0.033	0.052	0.075	0.102	0.133	0.169	0.209
	Airflow (CFM/Linear Foot)	45	68	91	114	137	160	183	206	229
	Horizontal Throw	4-8-16	8-12-4	11-16-27	13-20-31	16-24-34	19-26-36	21-28-39	24-29-41	25-31-44
	Noise Criteria (NC)	-	-	14	21	26	31	35	38	41

4 Duct Width	Total Pressure	0.008	0.018	0.033	0.051	0.074	0.101	0.132	0.167	0.206
	Airflow (CFM/Linear Foot)	53	80	107	134	161	188	215	242	269
	Horizontal Throw	4-9-17	9-13-26	11-17-30	14-22-33	17-26-37	20-28-39	23-30-42	26-32-45	27-33-47
	Noise Criteria (NC)	-	-	14	21	27	31	35	39	42

5 Duct Width	Total Pressure	0.008	0.018	0.032	0.050	0.073	0.099	0.130	0.164	0.203
	Airflow (CFM/Linear Foot)	69	104	139	174	209	244	279	314	349
	Horizontal Throw	5-10-19	10-15-29	13-20-34	16-25-38	20-29-42	23-32-45	26-34-48	29-36-51	31-38-54
	Noise Criteria (NC)	-	-	15	22	28	32	36	40	43

6 Duct Width	Total Pressure	0.008	0.018	0.031	0.049	0.070	0.095	0.124	0.157	0.194
	Airflow (CFM/Linear Foot)	85	127	169	211	253	295	337	379	421
	Horizontal Throw	6-11-22	11-16-32	14-22-37	18-27-42	21-32-46	25-35-49	29-37-53	32-40-56	34-42-59
	Noise Criteria (NC)	-	-	16	23	28	33	37	40	43

See page LS-51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series CO Core

2 Duct Width	Total Pressure	0.009	0.020	0.036	0.058	0.082	0.113	0.146	0.184	0.230
	Airflow (CFM/Linear Foot)	19	28	37	47	56	66	75	84	94
	Horizontal Throw	2-5-10	5-7-14	6-10-18	8-12-20	10-14-22	11-17-23	13-18-25	14-19-26	16-20-28
	Noise Criteria (NC)	-	-	-	14	19	24	28	31	34

2 1/2 Duct Width	Total Pressure	0.009	0.020	0.036	0.056	0.081	0.110	0.144	0.182	0.224
	Airflow (CFM/Linear Foot)	26	39	52	65	78	91	104	117	130
	Horizontal Throw	3-6-11	6-8-17	7-11-21	9-14-23	11-17-25	13-19-27	15-21-29	17-22-31	19-23-33
	Noise Criteria (NC)	-	-	-	15	21	25	29	33	36

3 Duct Width	Total Pressure	0.009	0.020	0.035	0.055	0.080	0.108	0.142	0.178	0.221
	Airflow (CFM/Linear Foot)	33	50	66	83	100	116	133	149	166
	Horizontal Throw	3-6-13	6-10-19	8-13-23	11-16-26	13-19-29	15-22-31	17-23-33	19-25-35	21-26-37
	Noise Criteria (NC)	-	-	10	16	22	26	30	33	37

3 1/2 Duct Width	Total Pressure	0.009	0.020	0.036	0.056	0.08	0.110	0.143	0.182	0.224
	Airflow (CFM/Linear Foot)	41	61	82	102	122	143	163	184	204
	Horizontal Throw	3-7-14	7-10-21	9-14-26	12-18-29	14-21-32	16-24-34	19-26-37	21-28-39	23-29-41
	Noise Criteria (NC)	-	-	11	18	23	27	31	35	38

4 Duct Width	Total Pressure	0.009	0.021	0.037	0.057	0.082	0.113	0.146	0.186	0.229
	Airflow (CFM/Linear Foot)	49	73	98	122	146	171	195	220	244
	Horizontal Throw	4-8-15	8-12-23	10-15-28	13-19-32	15-23-35	18-27-38	21-28-40	23-30-43	26-32-45
	Noise Criteria (NC)	-	-	12	19	24	28	32	36	39

5 Duct Width	Total Pressure	0.009	0.020	0.035	0.056	0.080	0.109	0.142	0.179	0.222
	Airflow (CFM/Linear Foot)	63	94	125	157	188	220	251	282	314
	Horizontal Throw	4-9-17	9-13-26	11-17-32	14-22-36	17-26-39	20-30-43	23-32-46	26-34-48	29-36-51
	Noise Criteria (NC)	-	-	13	19	25	29	33	36	39

6 Duct Width	Total Pressure	0.009	0.020	0.035	0.056	0.080	0.109	0.142	0.180	0.222
	Airflow (CFM/Linear Foot)	78	116	155	194	233	272	310	349	388
	Horizontal Throw	4-10-19	10-14-29	13-19-36	16-24-40	19-29-44	22-34-47	26-36-51	29-38-54	32-40-57
	Noise Criteria (NC)	-	-	14	20	26	30	34	37	40

See page LS~51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series C1 Core

2 Duct Width	Total Pressure	0.011	0.025	0.043	0.069	0.098	0.136	0.176	0.221	0.277
	Airflow (CFM/Linear Foot)	19	28	37	47	56	66	75	84	94
	Horizontal Throw	3-5-10	5-8-15	7-10-18	8-13-20	10-15-2	12-17-23	14-18-25	15-19-26	16-20-28
	Noise Criteria (NC)	-	-	12	19	25	30	33	37	40

2 1/2 Duct Width	Total Pressure	0.011	0.024	0.043	0.067	0.097	0.132	0.173	0.219	0.270
	Airflow (CFM/Linear Foot)	26	39	52	65	78	91	104	117	130
	Horizontal Throw	3-6-12	6-9-18	8-12-21	10-15-23	12-1-25	14-19-27	16-21-29	18-22-31	19-23-33
	Noise Criteria (NC)	-	-	14	21	26	31	35	38	41

3 Duct Width	Total Pressure	0.011	0.024	0.042	0.067	0.097	0.130	0.171	0.214	0.266
	Airflow (CFM/Linear Foot)	33	50	66	83	100	116	133	149	166
	Horizontal Throw	3-7-13	7-10-20	9-13-23	11-17-26	13-20-29	15-22-31	18-23-33	20-25-35	21-26-37
	Noise Criteria (NC)	-	-	15	22	27	32	36	39	42

3 1/2 Duct Width	Total Pressure	0.011	0.024	0.043	0.067	0.096	0.132	0.172	0.219	0.269
	Airflow (CFM/Linear Foot)	41	61	82	102	122	143	163	184	204
	Horizontal Throw	4-7-15	7-11-22	10-15-26	12-18-29	15-22-32	17-24-34	20-26-37	22-28-39	24-29-41
	Noise Criteria (NC)	-	-	16	23	28	33	37	40	43

4 Duct Width	Total Pressure	0.011	0.025	0.044	0.069	0.099	0.135	0.176	0.224	0.276
	Airflow (CFM/Linear Foot)	49	73	98	122	146	171	195	220	244
	Horizontal Throw	4-8-16	8-12-24	11-16-28	13-20-32	16-24-35	19-27-38	22-28-40	24-30-43	26-32-45
	Noise Criteria (NC)	-	-	17	24	29	34	38	41	44

5 Duct Width	Total Pressure	0.011	0.024	0.042	0.067	0.096	0.131	0.171	0.215	0.267
	Airflow (CFM/Linear Foot)	63	94	125	157	188	220	251	282	314
	Horizontal Throw	4-9-18	9-14-27	12-18-32	15-23-36	18-27-39	21-30-43	24-32-46	27-34-48	29-36-51
	Noise Criteria (NC)	-	-	18	25	30	35	39	42	45

6 Duct Width	Total Pressure	0.011	0.024	0.043	0.067	0.096	0.131	0.171	0.216	0.267
	Airflow (CFM/Linear Foot)	78	116	155	194	233	272	310	349	388
	Horizontal Throw	5-10-20	10-15-30	13-20-36	17-25-40	20-30-44	24-34-47	27-36-51	30-38-54	33-40-57
	Noise Criteria (NC)	-	-	19	26	31	36	40	43	46

See page LS-51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series D0 Core

2 Duct Width	Total Pressure	0.013	0.030	0.053	0.084	0.120	0.164	0.214	0.271	0.334
	Airflow (CFM/Linear Foot)	20	30	40	50	60	70	80	90	100
	Horizontal Throw	3-5-11	5-8-16	7-11-18	9-13-20	11-16-22	12-17-24	14-18-26	16-19-27	17-20-29
	Noise Criteria (NC)	-	-	-	14	19	23	27	30	33

2 1/2 Duct Width	Total Pressure	0.013	0.030	0.053	0.084	0.120	0.164	0.214	0.271	0.334
	Airflow (CFM/Linear Foot)	28	42	56	70	84	98	112	126	140
	Horizontal Throw	3-6-12	6-9-19	8-12-22	10-15-24	12-19-26	14-20-28	16-22-30	19-23-32	20-24-34
	Noise Criteria (NC)	-	-	-	15	20	25	29	32	35

3 Duct Width	Total Pressure	0.015	0.034	0.060	0.093	0.134	0.182	0.238	0.302	0.372
	Airflow (CFM/Linear Foot)	38	57	76	95	114	133	152	171	190
	Horizontal Throw	4-7-15	7-11-22	10-15-25	12-18-8	15-22-31	17-23-33	20-25-35	22-27-38	23-28-40
	Noise Criteria (NC)	-	-	12	18	23	27	31	35	38

3 1/2 Duct Width	Total Pressure	0.015	0.033	0.058	0.091	0.132	0.179	0.234	0.296	0.365
	Airflow (CFM/Linear Foot)	46	69	92	115	138	161	184	207	230
	Horizontal Throw	4-8-16	8-12-24	11-16-28	13-20-31	16-24-34	19-26-37	21-28-39	24-29-41	25-31-44
	Noise Criteria (NC)	-	-	12	19	24	28	32	35	38

4 Duct Width	Total Pressure	0.014	0.032	0.058	0.090	0.130	0.177	0.231	0.292	0.36
	Airflow (CFM/Linear Foot)	54	81	108	135	162	189	216	243	270
	Horizontal Throw	4-9-17	9-13-26	12-17-30	14-22-33	17-26-37	20-28-40	23-30-42	26-32-45	27-33-47
	Noise Criteria (NC)	-	-	13	19	24	29	32	36	39

5 Duct Width	Total Pressure	0.015	0.033	0.058	0.091	0.130	0.176	0.230	0.291	0.358
	Airflow (CFM/Linear Foot)	72	107	142	177	212	247	282	317	352
	Horizontal Throw	5-10-20	10-15-30	13-20-34	16-25-38	20-30-42	23-32-45	26-34-48	29-36-51	31-38-54
	Noise Criteria (NC)	-	-	14	20	26	30	34	37	40

6 Duct Width	Total Pressure	0.011	0.028	0.054	0.088	0.131	0.182	0.241	0.309	0.385
	Airflow (CFM/Linear Foot)	75	122	169	216	263	310	357	404	451
	Horizontal Throw	4-9-19	10-15-31	14-21-37	18-27-42	22-33-47	26-36-51	30-38-54	33-41-58	35-43-61
	Noise Criteria (NC)	-	-	14	21	27	31	35	39	42

See page LS ~51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series D3 Core

2 Duct Width	Total Pressure	0.012	0.028	0.051	0.080	0.116	0.159	0.209	0.265	0.328
	Airflow (CFM/Linear Foot)	19	29	39	49	59	69	79	89	99
	Horizontal Throw	3-5-10	5-8-15	7-10-18	9-13-20	11-16-22	12-17-24	14-18-26	16-19-27	17-20-29
	Noise Criteria (NC)	-	-	16	22	28	32	36	39	43

2 1/2 Duct Width	Total Pressure	0.012	0.026	0.046	0.072	0.104	0.141	0.184	0.233	0.288
	Airflow (CFM/Linear Foot)	26	39	52	65	78	91	104	117	130
	Horizontal Throw	3-6-12	6-9-18	8-12-21	10-15-23	12-18-25	14-19-27	16-21-29	18-22-31	19-23-33
	Noise Criteria (NC)	-	-	16	22	27	32	36	39	42

3 Duct Width	Total Pressure	0.011	0.026	0.046	0.073	0.105	0.144	0.188	0.238	0.295
	Airflow (CFM/Linear Foot)	33	50	67	84	101	118	135	152	169
	Horizontal Throw	3-7-13	7-10-20	9-14-24	11-17-26	14-20-29	16-22-31	18-24-33	20-25-35	22-26-37
	Noise Criteria (NC)	-	-	17	23	29	33	37	40	43

3 1/2 Duct Width	Total Pressure	0.011	0.025	0.044	0.069	0.099	0.135	0.177	0.224	0.276
	Airflow (CFM/Linear Foot)	40	60	80	100	120	140	160	180	200
	Horizontal Throw	4-7-15	7-11-22	10-15-26	12-19-29	15-22-32	17-24-34	20-26-36	22-27-39	23-29-41
	Noise Criteria (NC)	-	-	17	23	29	33	37	40	43

4 Duct Width	Total Pressure	0.012	0.027	0.048	0.076	0.110	0.150	0.196	0.248	0.307
	Airflow (CFM/Linear Foot)	49	74	99	124	149	174	199	224	249
	Horizontal Throw	4-8-17	8-13-25	11-17-29	14-21-32	17-25-35	20-27-38	23-29-41	25-30-43	26-32-45
	Noise Criteria (NC)	-	-	19	25	31	35	39	42	45

5 Duct Width	Total Pressure	0.011	0.026	0.047	0.073	0.106	0.144	0.188	0.238	0.294
	Airflow (CFM/Linear Foot)	63	95	127	159	191	223	255	287	319
	Horizontal Throw	5-9-19	9-14-28	13-19-32	16-24-36	19-28-40	22-30-43	25-32-46	28-34-49	30-36-51
	Noise Criteria (NC)	-	-	19	26	31	36	40	43	46

6 Duct Width	Total Pressure	0.011	0.025	0.045	0.071	0.102	0.139	0.182	0.231	0.285
	Airflow (CFM/Linear Foot)	76	115	154	193	232	271	310	349	388
	Horizontal Throw	5-10-21	10-16-31	14-21-36	17-26-40	21-31-44	24-34-47	28-36-51	31-38-54	33-40-57
	Noise Criteria (NC)	-	-	20	26	32	36	40	43	46

See page LS-51 for notes on performance data

Linear/
Slot Diffusers



ENGINEERING DATA

4000 Series Performance Notes

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Tests data based on 4' active diffuser lengths in an unducted application with pattern controller and no damper. For other lengths, refer to the following tables

Throw Corrections for Length (multiply)

Active Length (ft)	2	4	8	10
Throw Correction	0.72	1	1.5	1.7

3. Engineering Units: Air Flow Rate = CFM/linear foot; Static Pressure = in. w.c.; Throw = ft at 150, 100, and 50 fpm terminal velocity.
4. NC is based upon 10 dB room absorption (Re: 10^{-12} watts) evaluated at 125 through 4000 Hz octave bands.
5. Dash "-" indicates NC value less than 10