ENGINEERING DATA

HISD, HISR (Horizontal Pattern)

6" Inlet	24"	Airflow (CFM)	44	66	88	109	131	153	175
		Total Pressure	0.027	0.060	0.107	0.168	0.241	0.329	0.429
		Static Pressure	0.021	0.047	0.084	0.132	0.190	0.258	0.337
		Noise Criteria	-	13	20	26	30	34	37
		Throw	2-5-14	5-10-21	9-14-24	12-17-27	14-21-29	16-22-32	18-24-34
	36"	Airflow (CFM)	66	98	131	164	197	230	263
		Total Pressure	0.040	0.091	0.161	0.251	0.362	0.493	0.644
		Static Pressure	0.027	0.061	0.109	0.171	0.246	0.335	0.437
		Noise Criteria	-	16	23	29	33	37	40
		Throw	3-6-17	6-13-25	11-17-29	14-21-33	17-25-36	20-27-39	23-29-41
	48"	Airflow (CFM)	88	131	175	219	263	306	350
		Total Pressure	0.054	0.121	0.215	0.335	0.483	0.657	0.858
		Static Pressure	0.031	0.069	0.123	0.192	0.276	0.376	0.491
		Noise Criteria	-	19	26	31	36	39	43
		Throw	3-7-20	7-15-29	12-20-34	16-24-38	20-29-41	23-32-45	26-34-48
	60"	Airflow (CFM)	109	164	219	273	328	383	438
		Total Pressure	0.067	0.151	0.268	0.419	0.604	0.821	1.073
		Static Pressure	0.031	0.070	0.125	0.195	0.280	0.382	0.499
		Noise Criteria	-	21	28	33	37	41	44
		Throw	3-8-22	8-16-33	14-22-38	18-27-42	22-33-46	25-35-50	29-38-53
8" Inlet	24"	Airflow (CFM)	44	66	88	109	131	153	175
		Total Pressure	0.015	0.034	0.060	0.095	0.136	0.185	0.242
		Static Pressure	0.013	0.030	0.053	0.083	0.120	0.163	0.213
		Noise Criteria	-	-	15	21	25	29	32
		Throw	2-5-14	5-10-21	9-14-24	12-17-27	14-21-29	16-22-32	18-24-34
	36"	Airflow (CFM)	66	98	131	164	197	230	263
		Total Pressure	0.023	0.051	0.091	0.142	0.204	0.278	0.363
		Static Pressure	0.019	0.042	0.074	0.116	0.167	0.228	0.297
		Noise Criteria	-	12	19	24	29	32	36
		Throw	3-6-17	6-13-25	11-17-29	14-21-33	17-25-36	20-27-39	23-29-41
	48"	Airflow (CFM)	88	131	175	219	263	306	350
		Total Pressure	0.030	0.068	0.121	0.189	0.272	0.370	0.484
		Static Pressure	0.023	0.052	0.092	0.143	0.206	0.281	0.367
		Noise Criteria	-	14	21	26	31	35	38
		Throw	3-7-20	7-15-29	12-20-34	16-24-38	20-29-41	23-32-45	29-34-48
	60"	Airflow (CFM)	109	164	219	273	328	383	438
		Total Pressure	0.038	0.085	0.151	0.236	0.340	0.463	0.605
		Static Pressure	0.026	0.059	0.106	0.165	0.238	0.323	0.422
		Noise Criteria	-	16	23	28	33	37	40
		Throw	3-8-22	8-16-33	14-22-38	18-27-42	22-33-46	25-35-50	29-38-53
10" Inlet	36"	Airflow (CFM)	66	98	131	164	197	230	263
		Total Pressure	0.017	0.038	0.067	0.105	0.152	0.206	0.270
		Static Pressure	0.015	0.033	0.058	0.091	0.131	0.179	0.233
		Noise Criteria	-	-	16	22	26	30	33
		Throw	3-6-17	6-13-25	11-17-29	14-21-33	17-25-36	20-27-39	23-29-41
	48"	Airflow (CFM)	88	131	175	219	263	306	350
		Total Pressure	0.022	0.051	0.090	0.140	0.202	0.275	0.359
		Static Pressure	0.018	0.041	0.074	0.115	0.166	0.226	0.295
		Noise Criteria	-	12	19	24	28	32	35
		Throw	3-7-20	7-15-29	12-20-34	16-24-38	20-29-41	23-32-45	26-34-48
	60"	Airflow (CFM)	109	164	219	273	328	383	438
		Total Pressure	0.028	0.063	0.112	0.176	0.253	0.344	0.449
		Static Pressure	0.022	0.049	0.087	0.136	0.196	0.267	0.349
		Noise Criteria	-	13	20	26	30	34	37
		Throw	3-8-22	8-16-33	14-22-38	18-27-42	22-33-46	25-35-50	29-38-53

Return Data for HISR

HISR	Airflow, CFM/ft.	30	40	50	60	70	80	90	100
	Static Pressure, in. wc	-0.010	-0.018	-0.028	-0.041	-0.065	-0.073	-0.092	-0.114

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. Vertical throw values are for the down-blow slot section with blades set fully open to allow for maximum downward projection.
3. Engineering Units: Static Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
4. Airflow given is for the length of the diffuser.
5. Throw values given are for isothermal conditions.
6. NC is based upon 10dB room absorption (Re: 10^{-12} watts) evaluated at 125 through 4000 Hz octave bands.
7. Dash (-) in space denotes an NC value of less than 10.

ENGINEERING DATA

HIDD, HIDR (Horizontal & Vertical Patterns)

8" Down-Blow Slot									
6" Inlet	24"	Airflow (CFM)	38	56	75	94	113	131	150
		Total Pressure	0.018	0.041	0.073	0.114	0.164	0.223	0.291
		Static Pressure	0.016	0.035	0.063	0.098	0.141	0.192	0.251
		Noise Criteria	-	12	19	25	29	33	36
		Horizontal Throw	1-3-10	3-7-15	5-10-18	8-12-20	10-15-22	11-17-24	13-18-25
		Vertical Throw	1-1-3	1-2-4	2-3-5	2-3-7	3-4-7	3-5-8	4-5-9
8" Inlet	24"	Airflow (CFM)	38	56	75	94	113	131	150
		Total Pressure	0.011	0.025	0.045	0.071	0.102	0.138	0.181
		Static Pressure	0.010	0.023	0.041	0.065	0.093	0.127	0.165
		Noise Criteria	-	-	15	21	25	29	32
		Horizontal Throw	1-3-10	3-7-15	5-10-18	8-12-20	10-15-22	11-17-24	13-18-25
		Vertical Throw	1-1-3	1-2-4	2-3-5	2-3-7	3-4-7	3-5-8	4-5-9
10" Inlet	24"	Airflow (CFM)	38	56	75	94	113	131	150
		Total Pressure	0.008	0.018	0.033	0.051	0.074	0.100	0.131
		Static Pressure	0.008	0.017	0.031	0.048	0.069	0.094	0.123
		Noise Criteria	-	-	13	18	23	26	30
		Horizontal Throw	1-3-10	3-7-15	5-10-18	8-12-20	10-15-22	11-17-24	13-18-25
		Vertical Throw	1-1-3	1-2-4	2-3-5	2-3-7	3-4-7	3-5-8	4-5-9

12" Down-Blow Slot									
6" Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.027	0.061	0.109	0.171	0.246	0.334	0.437
		Static Pressure	0.022	0.049	0.087	0.135	0.195	0.265	0.346
		Noise Criteria	-	16	23	28	33	36	40
		Horizontal Throw	2-4-12	4-8-18	6-12-22	10-15-25	12-18-27	14-21-29	16-22-31
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.032	0.073	0.129	0.202	0.291	0.396	0.517
		Static Pressure	0.022	0.050	0.089	0.139	0.201	0.273	0.357
		Noise Criteria	-	19	26	31	36	40	43
		Horizontal Throw	2-4-15	4-10-22	8-15-27	12-18-30	15-22-33	17-25-36	19-27-38
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.038	0.085	0.152	0.237	0.341	0.464	0.606
		Static Pressure	0.022	0.050	0.089	0.139	0.200	0.272	0.355
		Noise Criteria	11	21	28	34	38	42	45
		Horizontal Throw	2-5-17	5-11-25	9-17-31	14-21-35	17-25-38	20-29-41	22-31-44
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10
8"Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.017	0.038	0.068	0.106	0.153	0.208	0.271
		Static Pressure	0.015	0.033	0.059	0.092	0.133	0.181	0.236
		Noise Criteria	-	12	19	24	29	32	36
		Horizontal Throw	2-4-12	4-8-18	6-12-22	10-15-25	12-18-27	14-21-29	16-22-31
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.020	0.045	0.080	0.126	0.181	0.246	0.321
		Static Pressure	0.016	0.036	0.065	0.101	0.146	0.199	0.259
		Noise Criteria	-	15	22	28	32	36	39
		Horizontal Throw	2-4-15	4-10-22	8-15-27	12-18-30	15-22-33	17-25-36	19-27-38
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.024	0.053	0.094	0.147	0.212	0.288	0.377
		Static Pressure	0.017	0.039	0.070	0.109	0.157	0.214	0.280
		Noise Criteria	-	17	24	30	34	38	41
		Horizontal Throw	2-5-17	5-11-25	9-17-31	14-21-35	17-25-38	20-29-41	22-31-44
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10

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. Vertical throw values are for the down-blow slot section with blades set fully open to allow for maximum downward projection.
3. Engineering Units: Static Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
4. Airflow given is for the length of the diffuser.
5. Throw values given are for isothermal conditions.
6. NC is based upon 10dB room absorption (Re: 10^{-12} watts) evaluated at 125 through 4000 Hz octave bands.
7. Dash (-) in space denotes an NC value of less than 10.

HIDD, HIDR (Horizontal & Vertical Patterns)

12" Down-Blow Slot									
6” Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.012	0.028	0.049	0.077	0.111	0.151	0.197
		Static Pressure	0.011	0.025	0.045	0.07	0.1	0.137	0.178
		Noise Criteria	-	-	16	22	26	30	33
		Horizontal Throw	2-4-12	4-8-18	6-12-22	10-15-25	12-18-27	14-21-29	16-22-31
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10
8” Inlet	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.015	0.033	0.058	0.091	0.131	0.178	0.233
		Static Pressure	0.013	0.028	0.05	0.078	0.113	0.153	0.2
		Noise Criteria	-	12	19	25	29	33	36
		Horizontal Throw	2-4-15	4-10-22	8-15-27	12-18-30	15-22-33	17-25-36	19-27-38
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10
10” Inlet	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.017	0.038	0.068	0.107	0.154	0.209	0.273
		Static Pressure	0.014	0.031	0.056	0.087	0.125	0.17	0.222
		Noise Criteria	-	15	22	27	32	35	39
		Horizontal Throw	2-5-17	5-11-25	9-17-31	14-21-35	17-25-38	20-29-41	22-31-44
		Vertical Throw	1-2-3	2-2-5	2-3-7	3-4-8	3-5-9	4-6-10	4-7-10

15" Down-Blow Slot									
6" Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.027	0.061	0.109	0.171	0.246	0.334	0.437
		Static Pressure	0.022	0.049	0.087	0.135	0.195	0.265	0.346
		Noise Criteria	-	16	23	28	33	36	40
		Horizontal Throw	1-3-11	3-7-17	6-11-21	9-14-23	11-17-25	13-19-27	15-21-29
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.035	0.079	0.141	0.221	0.318	0.432	0.565
		Static Pressure	0.025	0.057	0.101	0.158	0.227	0.309	0.404
		Noise Criteria	-	18	25	31	35	39	42
		Horizontal Throw	2-4-14	4-9-21	7-14-26	12-17-29	14-21-32	16-24-34	19-26-37
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.04	0.091	0.162	0.253	0.364	0.495	0.647
		Static Pressure	0.025	0.056	0.099	0.155	0.223	0.303	0.396
		Noise Criteria	-	21	28	33	38	41	45
		Horizontal Throw	2-5-16	5-11-24	9-16-30	13-20-34	16-24-37	19-28-40	22-30-43
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12
8"Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.019	0.044	0.077	0.121	0.174	0.237	0.31
		Static Pressure	0.017	0.039	0.069	0.107	0.155	0.211	0.275
		Noise Criteria	-	-	18	23	28	31	35
		Horizontal Throw	1-3-11	3-7-17	6-11-21	9-14-23	11-17-25	13-19-27	15-21-29
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.022	0.049	0.088	0.137	0.197	0.268	0.351
		Static Pressure	0.018	0.041	0.072	0.113	0.162	0.221	0.289
		Noise Criteria	-	14	21	27	31	35	38
		Horizontal Throw	2-4-14	4-9-21	7-14-26	12-17-29	14-21-32	16-24-34	19-26-37
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.025	0.056	0.1	0.157	0.226	0.308	0.402
		Static Pressure	0.019	0.043	0.076	0.119	0.171	0.233	0.305
		Noise Criteria	-	17	24	29	34	38	41
		Horizontal Throw	2-5-16	5-11-24	9-16-30	13-20-34	16-24-37	19-28-40	22-30-43
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12

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. Vertical throw values are for the down-blow slot section with blades set fully open to allow for maximum downward projection.
3. Engineering Units: Static Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
4. Airflow given is for the length of the diffuser.
5. Throw values given are for isothermal conditions.
6. NC is based upon 10dB room absorption (Re: 10^{-12} watts) evaluated at 125 through 4000 Hz octave bands.
7. Dash (-) in space denotes an NC value of less than 10.

ENGINEERING DATA

HIDD, HIDR (Horizontal & Vertical Patterns)

15" Down-Blow Slot

10" Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.014	0.032	0.056	0.088	0.126	0.172	0.225
		Static Pressure	0.013	0.029	0.052	0.081	0.116	0.158	0.206
		Noise Criteria	-	-	15	20	25	29	32
		Horizontal Throw	1-3-11	3-7-17	6-11-21	9-14-23	11-17-25	13-19-27	15-21-29
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.016	0.036	0.064	0.099	0.143	0.195	0.254
		Static Pressure	0.014	0.031	0.055	0.087	0.125	0.170	0.222
		Noise Criteria	-	12	19	24	29	32	36
		Horizontal Throw	2-4-14	4-9-21	7-14-26	12-17-29	14-21-32	16-24-34	19-26-37
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.018	0.041	0.073	0.114	0.164	0.223	0.291
		Static Pressure	0.015	0.034	0.060	0.094	0.135	0.184	0.240
		Noise Criteria	-	14	21	27	31	35	38
		Horizontal Throw	2-5-16	5-11-24	9-16-30	13-20-34	16-24-37	19-28-40	22-30-43
		Vertical Throw	1-2-4	2-3-6	2-4-7	3-5-9	4-6-10	4-6-11	5-7-12

18" Down-Blow Slot

6" Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.036	0.082	0.146	0.227	0.327	0.446	0.582
		Static Pressure	0.031	0.069	0.123	0.192	0.277	0.376	0.492
		Noise Criteria	-	13	20	26	30	34	37
		Horizontal Throw	1-3-10	3-7-15	5-10-19	9-13-21	10-15-23	12-18-25	14-19-27
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.039	0.087	0.155	0.243	0.349	0.475	0.621
		Static Pressure	0.029	0.065	0.115	0.180	0.259	0.352	0.460
		Noise Criteria	-	17	24	30	34	38	41
		Horizontal Throw	2-4-13	4-9-20	7-13-25	11-17-28	13-20-30	15-23-33	18-25-35
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.043	0.097	0.173	0.271	0.390	0.531	0.693
		Static Pressure	0.028	0.062	0.110	0.173	0.248	0.338	0.442
		Noise Criteria	-	20	27	33	37	41	44
		Horizontal Throw	2-5-16	5-11-24	8-16-29	13-20-33	16-24-36	18-27-39	21-29-41
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13
8" Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.023	0.051	0.090	0.141	0.203	0.277	0.362
		Static Pressure	0.020	0.046	0.082	0.128	0.184	0.250	0.327
		Noise Criteria	-	-	16	22	26	30	33
		Horizontal Throw	1-3-10	3-7-15	5-10-19	9-13-21	10-15-23	12-18-25	14-19-27
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.024	0.054	0.096	0.151	0.217	0.295	0.386
		Static Pressure	0.020	0.046	0.081	0.126	0.182	0.248	0.324
		Noise Criteria	-	14	21	26	30	34	37
		Horizontal Throw	2-4-13	4-9-20	7-13-25	11-17-28	13-20-30	15-23-33	18-25-35
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.027	0.061	0.108	0.168	0.242	0.330	0.430
		Static Pressure	0.021	0.047	0.083	0.130	0.188	0.255	0.334
		Noise Criteria	-	16	23	29	33	37	40
		Horizontal Throw	2-5-16	5-11-24	8-16-29	13-20-33	16-24-36	18-27-39	21-29-41
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13

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. Vertical throw values are for the down-blow slot section with blades set fully open to allow for maximum downward projection.
3. Engineering Units: Static Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
4. Airflow given is for the length of the diffuser.
5. Throw values given are for isothermal conditions.
6. NC is based upon 10dB room absorption (Re: 10^{-12} watts) evaluated at 125 through 4000 Hz octave bands.
7. Dash (-) in space denotes an NC value of less than 10.

ENGINEERING DATA

HIDD, HIDR (Horizontal & Vertical Patterns)

18" Down-Blow Slot									
10" Inlet	36"	Airflow (CFM)	56	84	113	141	169	197	225
		Total Pressure	0.016	0.037	0.066	0.102	0.148	0.201	0.262
		Static Pressure	0.015	0.034	0.061	0.095	0.137	0.187	0.244
		Noise Criteria	-	-	14	19	24	27	31
		Horizontal Throw	1-3-10	3-7-15	5-10-19	9-13-21	10-15-23	12-18-25	14-19-27
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13
	48"	Airflow (CFM)	75	113	150	188	225	263	300
		Total Pressure	0.017	0.039	0.070	0.109	0.157	0.214	0.280
		Static Pressure	0.015	0.035	0.062	0.097	0.139	0.189	0.247
		Noise Criteria	-	-	18	23	28	32	35
		Horizontal Throw	2-4-13	4-9-20	7-13-25	11-17-28	13-20-30	15-23-33	18-25-35
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13
	60"	Airflow (CFM)	94	141	188	234	281	328	375
		Total Pressure	0.020	0.044	0.078	0.122	0.176	0.239	0.312
		Static Pressure	0.016	0.037	0.065	0.102	0.147	0.200	0.261
		Noise Criteria	-	14	21	26	31	34	38
		Horizontal Throw	2-5-16	5-11-24	8-16-29	13-20-33	16-24-36	18-27-39	21-29-41
		Vertical Throw	1-2-4	2-3-6	3-4-8	3-5-10	4-6-11	5-7-12	5-8-13

Percent Of Supply Air Through Down-Blow Section

Plenum Length (ft.)	2	3	3	3	4	4	4	5	5	5
Down-Blow Length (in.)	8	12	15	18	12	15	18	12	15	18
CFM Through Down-Blow (%)	33	33	42	50	25	31	38	20	25	30

Return Data for HISR

HISR	Airflow, CFM/ft.	30	40	50	60	70	80	90	100
	Static Pressure, in. wc	-0.010	-0.018	-0.028	-0.041	-0.065	-0.073	-0.092	-0.114

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. Vertical throw values are for the down-blow slot section with blades set fully open to allow for maximum downward projection.
3. Engineering Units: Static Pressure = in. wc; Throw = ft at 150, 100, & 50 fpm.
4. Airflow given is for the length of the diffuser.
5. Throw values given are for isothermal conditions.
6. NC is based upon 10dB room absorption (Re: 10^{-12} watts) evaluated at 125 through 4000 Hz octave bands.
7. Dash (-) in space denotes an NC value of less than 10.