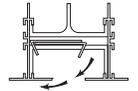


**PERFORMANCE DATA • HORIZONTAL HIGH THROW SERIES**

**MODELS: FLH / FTH (10 &15) • 1 SLOT WITH NAILOR PLENUM**



**A**

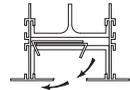
**FLOWLINE™ LINEAR DIFFUSERS**

<b>1" Slot Width</b>	<b>1 Slot 6" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	25	50	75	100	125	150	175
			Total Pressure	.008	.034	.075	.132	.206	.297	.040
			Static Pressure	.007	.030	.065	.115	.180	.260	.350
			Noise Criteria	<15	<15	<15	20	29	36	40
			Throw	1-2-5	3-6-9	5-9-12	7-10-13	8-10-14	9-11-16	10-12-18
		<b>4 Ft.</b>	Airflow, CFM	40	80	120	160	200	240	280
			Total Pressure	.009	.031	.066	.117	.180	.264	.352
			Static Pressure	.006	.020	.042	.075	.115	.170	.225
			Noise Criteria	<15	<15	<15	17	25	32	38
			Throw	1-2-5	3-6-12	5-9-15	8-12-17	10-12-18	12-15-20	13-16-22
		<b>5 Ft.</b>	Airflow, CFM	50	100	150	200	250	300	350
			Total Pressure	.009	.036	.079	.140	.217	.316	.424
			Static Pressure	.005	.020	.042	.075	.115	.170	.225
			Noise Criteria	<15	<15	<15	18	26	33	38
			Throw	1-2-7	3-7-13	8-10-17	10-13-19	12-15-20	14-16-22	15-17-24
<b>1" Slot Width</b>	<b>1 Slot 8" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	50	75	100	125	150	175	200
			Total Pressure	.029	.068	.119	.188	.272	.358	.471
			Static Pressure	.028	.065	.114	.180	.260	.342	.450
			Noise Criteria	<15	<15	20	28	35	41	44
			Throw	2-5-9	5-9-11	7-10-14	8-11-15	9-12-18	10-12-19	11-13-20
		<b>4 Ft.</b>	Airflow, CFM	70	110	150	190	230	270	310
			Total Pressure	.016	.040	.075	.120	.176	.242	.319
			Static Pressure	.014	.034	.063	.101	.149	.205	.270
			Noise Criteria	<15	<15	<15	23	30	36	41
			Throw	2-4-10	6-8-14	7-11-17	9-13-19	10-15-22	13-16-24	15-18-26
		<b>5 Ft.</b>	Airflow, CFM	80	130	180	230	280	330	380
			Total Pressure	.007	.025	.056	.093	.142	.206	.283
			Static Pressure	.006	.020	.044	.072	.110	.160	.220
			Noise Criteria	<15	<15	<15	23	29	35	40
			Throw	2-5-11	6-9-15	8-12-18	9-14-20	11-15-22	13-17-24	14-18-26
<b>1.5" Slot Width</b>	<b>1 Slot 6" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	30	60	90	120	150	180	210
			Total Pressure	.002	.038	.088	.148	.246	.367	.471
			Static Pressure	.001	.032	.075	.125	.210	.315	.400
			Noise Criteria	<15	<15	<15	22	31	39	44
			Throw	1-4-7	4-7-11	6-9-13	8-10-15	10-13-17	11-14-19	12-15-20
		<b>4 Ft.</b>	Airflow, CFM	70	110	150	190	230	270	310
			Total Pressure	.021	.045	.089	.148	.206	.288	.376
			Static Pressure	.013	.025	.052	.089	.120	.170	.220
			Noise Criteria	<15	<15	<15	20	24	30	36
			Throw	2-5-11	5-8-15	8-12-17	10-13-19	12-15-20	13-16-21	14-17-23
		<b>5 Ft.</b>	Airflow, CFM	85	135	185	235	285	335	385
			Total Pressure	.013	.055	.101	.165	.247	.342	.440
			Static Pressure	.001	.025	.045	.075	.115	.160	.200
			Noise Criteria	<15	<15	<15	20	26	31	37
			Throw	2-5-11	5-19-15	8-13-18	11-15-21	12-17-23	14-18-25	15-20-27
<b>1.5" Slot Width</b>	<b>1 Slot 8" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	30	60	90	120	150	180	210
			Total Pressure	.002	.032	.076	.128	.222	.317	.428
			Static Pressure	.001	.030	.072	.120	.210	.300	.405
			Noise Criteria	<15	<15	<15	23	31	40	44
			Throw	1-4-7	4-7-11	7-9-13	8-12-15	10-13-17	11-14-18	12-15-19
		<b>4 Ft.</b>	Airflow, CFM	70	120	170	220	270	320	370
			Total Pressure	.015	.035	.075	.125	.207	.272	.380
			Static Pressure	.012	.027	.060	.100	.170	.220	.310
			Noise Criteria	<15	<15	<15	22	30	36	44
			Throw	2-5-11	6-9-15	9-13-18	12-15-21	14-17-23	15-19-25	16-20-26
		<b>5 Ft.</b>	Airflow, CFM	85	145	205	265	325	385	445
			Total Pressure	.016	.041	.084	.131	.204	.276	.401
			Static Pressure	.012	.03	.062	.095	.150	.200	.300
			Noise Criteria	<15	<15	<15	23	30	36	43
			Throw	2-5-11	6-10-16	9-13-20	12-17-23	15-19-25	16-20-27	17-21-29
<b>1.5" Slot Width</b>	<b>1 Slot 10" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	30	60	90	120	150	180	210
			Total Pressure	.002	.027	.065	.109	.189	.269	.364
			Static Pressure	.002	.026	.063	.106	.184	.263	.355
			Noise Criteria	<15	<15	<15	20	28	37	41
			Throw	1-4-7	4-7-11	7-9-13	8-12-15	10-13-17	11-14-18	12-15-19
		<b>4 Ft.</b>	Airflow, CFM	70	120	170	220	270	320	370
			Total Pressure	.013	.030	.064	.106	.176	.231	.323
			Static Pressure	.012	.027	.058	.096	.161	.210	.294
			Noise Criteria	<15	<15	<15	19	27	33	41
			Throw	2-5-11	6-9-15	9-13-18	12-15-21	14-17-23	15-19-25	16-20-26
		<b>5 Ft.</b>	Airflow, CFM	85	145	205	265	325	385	445
			Total Pressure	.014	.035	.071	.111	.173	.235	.341
			Static Pressure	.012	.030	.063	.097	.151	.204	.299
			Noise Criteria	<15	<15	<15	20	27	33	40
			Throw	2-5-11	6-10-16	9-13-20	12-17-23	15-19-25	16-20-27	17-21-29

For performance table notes, see page A37.

**PERFORMANCE DATA • HORIZONTAL HIGH THROW SERIES**

**MODELS: FLH / FTH (20 & 25) • 1 SLOT WITH NAILOR PLENUM**



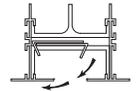
**FLOWLINE™ LINEAR DIFFUSERS**

<b>2" Slot Width</b>	<b>1 Slot 8" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>40</b>	<b>80</b>	<b>120</b>	<b>160</b>	<b>200</b>	<b>240</b>	<b>280</b>
			Total Pressure	.007	.028	.065	.115	.180	.259	.352
			Static Pressure	.006	.025	.057	.102	.159	.229	.312
			Noise Criteria	<15	<15	<15	17	26	31	38
			Throw	1-3-8	5-8-13	7-10-15	10-13-17	11-14-19	12-15-22	13-16-23
		<b>4 Ft.</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	.015	.034	.040	.094	.136	.185	.241
			Static Pressure	.010	.022	.040	.062	.089	.122	.159
			Noise Criteria	<15	<15	<15	15	22	30	37
			Throw	3-4-11	6-9-14	8-12-17	9-13-19	12-14-23	14-25-27	15-17-28
		<b>5 Ft.</b>	Airflow, CFM	<b>125</b>	<b>180</b>	<b>235</b>	<b>290</b>	<b>345</b>	<b>400</b>	<b>455</b>
			Total Pressure	.180	.037	.064	.097	.137	.184	.238
			Static Pressure	.010	.021	.035	.535	.076	.102	.132
			Noise Criteria	<15	<15	<15	22	29	34	39
			Throw	3-6-12	8-12-17	9-13-19	12-14-23	14-13-26	16-18-28	17-21-30
<b>2" Slot Width</b>	<b>1 Slot 12" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>50</b>	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>
			Total Pressure	.007	.028	.064	.113	.177	.254	.346
			Static Pressure	.007	.027	.060	.108	.168	.242	.329
			Noise Criteria	<15	<15	<15	17	24	29	37
			Throw	2-5-10	5-8-12	6-10-14	8-12-17	9-13-19	10-14-22	13-16-25
		<b>4 Ft.</b>	Airflow, CFM	<b>100</b>	<b>170</b>	<b>240</b>	<b>310</b>	<b>380</b>	<b>450</b>	<b>520</b>
			Total Pressure	.008	.023	.045	.076	.114	.169	.213
			Static Pressure	.065	.019	.038	.063	.094	.132	.176
			Noise Criteria	<15	<15	<15	20	27	33	39
			Throw	3-6-12	7-11-15	9-13-19	11-15-23	14-17-27	15-19-30	16-21-34
		<b>5 Ft.</b>	Airflow, CFM	<b>125</b>	<b>205</b>	<b>285</b>	<b>365</b>	<b>445</b>	<b>525</b>	<b>605</b>
			Total Pressure	.009	.023	.045	.074	.109	.152	.202
			Static Pressure	.007	.018	.034	.056	.083	.115	.153
			Noise Criteria	<15	<15	<15	23	31	36	41
			Throw	3-7-15	7-11-19	10-14-24	13-16-25	15-19-30	16-21-32	21-25-34
<b>2.5" Slot Width</b>	<b>1 Slot 10" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>100</b>	<b>145</b>	<b>190</b>	<b>235</b>	<b>280</b>	<b>325</b>	<b>370</b>
			Total Pressure	.024	.05	.085	.131	.186	.25	.324
			Static Pressure	.045	.045	.077	.117	.167	.224	.291
			Noise Criteria	<15	<15	<15	22	29	35	40
			Throw	4-9-11	6-19-13	8-12-17	10-14-18	12-16-22	13-17-24	14-18-26
		<b>4 Ft.</b>	Airflow, CFM	<b>140</b>	<b>220</b>	<b>300</b>	<b>380</b>	<b>460</b>	<b>540</b>	<b>620</b>
			Total Pressure	.015	.037	.069	.111	.163	.225	.296
			Static Pressure	.010	.026	.048	.077	.112	.155	.204
			Noise Criteria	<15	<15	<15	25	33	40	45
			Throw	5-8-17	10-14-22	12-16-25	14-17-28	16-19-31	19-22-33	21-24-35
		<b>5 Ft.</b>	Airflow, CFM	<b>150</b>	<b>240</b>	<b>330</b>	<b>420</b>	<b>510</b>	<b>600</b>	<b>690</b>
			Total Pressure	.013	.034	.063	.103	.151	.209	.277
			Static Pressure	.002	.020	.037	.060	.088	.122	.162
			Noise Criteria	<15	<15	<15	23	31	38	43
			Throw	3-8-16	8-12-21	12-15-25	15-18-29	17-21-32	19-23-35	21-27-38
<b>2.5" Slot Width</b>	<b>1 Slot 12" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>100</b>	<b>145</b>	<b>190</b>	<b>235</b>	<b>280</b>	<b>325</b>	<b>370</b>
			Total Pressure	.021	.043	.074	.114	.161	.217	.282
			Static Pressure	.019	.041	.070	.106	.151	.204	.264
			Noise Criteria	<15	<15	<15	20	27	33	38
			Throw	4-9-11	6-19-13	8-12-17	10-14-18	12-16-22	13-17-24	14-18-26
		<b>4 Ft.</b>	Airflow, CFM	<b>140</b>	<b>225</b>	<b>310</b>	<b>395</b>	<b>480</b>	<b>565</b>	<b>650</b>
			Total Pressure	.012	.031	.059	.096	.142	.197	.261
			Static Pressure	.009	.024	.046	.075	.111	.154	.204
			Noise Criteria	<15	<15	15	23	31	38	43
			Throw	5-8-17	10-14-22	12-16-25	14-17-29	17-20-32	20-23-34	22-26-37
		<b>5 Ft.</b>	Airflow, CFM	<b>150</b>	<b>250</b>	<b>350</b>	<b>450</b>	<b>550</b>	<b>650</b>	<b>750</b>
			Total Pressure	.010	.028	.054	.090	.134	.188	.250
			Static Pressure	.007	.019	.038	.063	.094	.131	.174
			Noise Criteria	<15	<15	16	26	34	40	46
			Throw	3-8-16	8-12-21	13-16-26	16-19-31	18-22-33	20-25-37	22-28-39

For performance table notes, see page A37.

**PERFORMANCE DATA • HORIZONTAL HIGH THROW SERIES**

**MODELS: FLH30 AND FTH30 • 1 SLOT WITH NAILOR PLENUM**



**A**

**FLOWLINE™ LINEAR DIFFUSERS**

<b>3" Slot Width</b>	<b>1 Slot 10" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	125	170	215	260	305	350	395
			Total Pressure	.030	.056	.089	.131	.180	.237	.302
			Static Pressure	.027	.049	.078	.115	.158	.208	.265
			Noise Criteria	<15	<15	<15	24	29	35	40
			Throw	7-11-16	9-13-19	11-15-21	13-17-23	15-18-25	16-19-28	17-20-31
		<b>4 Ft.</b>	Airflow, CFM	200	275	350	425	500	575	650
			Total Pressure	.027	.050	.081	.120	.166	.220	.281
			Static Pressure	.017	.032	.052	.076	.106	.140	.179
			Noise Criteria	<15	<15	18	22	28	34	40
			Throw	8-13-20	10-15-24	15-19-27	17-21-30	18-23-32	20-24-35	21-26-37
		<b>5 Ft.</b>	Airflow, CFM	220	310	400	490	580	670	760
			Total Pressure	.025	.040	.082	.123	.172	.230	.296
	Static Pressure		.013	.026	.043	.065	.091	.122	.157	
	Noise Criteria		<15	<15	16	24	32	39	45	
	Throw		8-12-21	12-17-25	15-20-29	18-23-32	20-24-35	21-26-37	23-28-40	
<b>3" Slot Width</b>	<b>1 Slot 12" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	125	170	215	260	305	350	395
			Total Pressure	.029	.053	.085	.124	.170	.224	.286
			Static Pressure	.026	.049	.078	.115	.158	.208	.265
			Noise Criteria	<15	<15	<15	18	25	31	36
			Throw	7-11-16	9-13-19	11-15-21	13-17-23	15-18-25	16-19-28	17-20-31
		<b>4 Ft.</b>	Airflow, CFM	200	290	380	470	560	650	740
			Total Pressure	.022	.047	.081	.123	.175	.236	.306
			Static Pressure	.017	.036	.061	.094	.133	.179	.232
			Noise Criteria	<15	<15	<15	22	29	36	41
			Throw	8-13-20	11-16-24	15-20-28	17-22-31	20-24-34	21-26-37	23-28-40
		<b>5 Ft.</b>	Airflow, CFM	220	330	440	550	660	770	880
			Total Pressure	.020	.044	.079	.123	.177	.241	.315
	Static Pressure		.013	.030	.053	.082	.118	.161	.210	
	Noise Criteria		<15	<15	19	26	32	39	43	
	Throw		8-12-21	11-14-26	14-16-30	17-20-34	20-25-37	22-27-39	24-29-42	

**Performance Notes:**

1. Data is based upon FlowLine™ with Nailor engineered plenum (uninsulated) as a complete assembly.
2. All pressures are in inches w.g..
3. Throw values are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
4. Noise criteria values are based on 10 dB room absorption, re 10<sup>-12</sup> watts.
5. Throw values are based on a 1-way air pattern. For 2-way pattern, throw is determined from the 1 slot data at half the specified air volume.
6. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-2023.