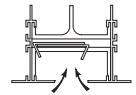


PERFORMANCE DATA • RETURN AIR APPLICATIONS

MODELS: FLH (10, 15, 20, 25 & 30)



FLOWLINE™ LINEAR DIFFUSERS

Slot Width	Slots	Airflow, CFM/FT.							
		20	35	50	65	80	95	110	
1" Slot Width	1 Slot	Static Pressure	.014	.043	.088	.149	.226	.318	.426
		Noise Criteria	<15	<18	26	33	39	45	48
		Airflow, CFM/FT.	40	70	100	130	160	190	220
	2 Slot	Static Pressure	.014	.043	.088	.149	.226	.318	.426
		Noise Criteria	<15	<19	28	36	42	48	51
		Airflow, CFM/FT.	25	40	55	70	85	100	115
1.5" Slot Width	1 Slot	Static Pressure	.012	.032	.059	.098	.143	.198	.261
		Noise Criteria	<15	<15	20	28	34	39	43
		Airflow, CFM/FT.	55	80	105	130	155	180	205
	2 Slot	Static Pressure	.015	.032	.054	.084	.119	.160	.208
		Noise Criteria	<15	<15	19	29	34	38	42
		Airflow, CFM/FT.	25	45	65	85	105	125	145
2" Slot Width	1 Slot	Static Pressure	.008	.023	.048	.083	.127	.179	.241
		Noise Criteria	<15	<15	22	27	35	41	46
		Airflow, CFM/FT.	45	85	125	165	205	245	285
	2 Slot	Static Pressure	.006	.021	.046	.080	.124	.177	.240
		Noise Criteria	<15	<15	22	29	37	43	48
		Airflow, CFM/FT.	30	55	80	105	130	155	180
2.5" Slot Width	1 Slot	Static Pressure	.010	.034	.074	.124	.190	.270	.364
		Noise Criteria	<15	<15	21	28	33	37	42
		Airflow, CFM/FT.	60	105	150	195	240	285	330
	2 Slot	Static Pressure	.010	.031	.063	.107	.162	.228	.306
		Noise Criteria	<15	<15	24	30	35	40	44
		Airflow, CFM/FT.	30	60	90	120	150	180	210
3" Slot Width	1 Slot	Static Pressure	.009	.036	.081	.144	.226	.326	.443
		Noise Criteria	<15	<15	18	27	33	38	43
		Airflow, CFM/FT.	60	120	180	240	300	360	420
	2 Slot	Static Pressure	.009	.036	.081	.144	.226	.326	.443
		Noise Criteria	<15	<15	22	30	36	41	46
		Airflow, CFM/FT.	30	60	90	120	150	180	210

NC Correction Factors for Various Lengths

Length (ft.)	2	4	6	8	9	10	15
Return	- 3	0	+ 1	+ 2	+ 3	+ 5	+ 7

Performance Notes:

1. Data is based upon a ductless return application.
2. All pressures are in inches w.g..
3. Noise criteria values are based on 10 dB room absorption, re 10⁻¹² watts, for a 4 ft. (1219) section. For other lengths, use the correction factor table above.
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006.