# **SLOT DIFFUSERS**

### MODELS ALF10/20, ALF17/27, ALF18/28 LINEAR FLOW BAR DIFFUSER

### MODEL ALF10/ALF20 - return diffuser MODEL ALF17/ALF27 - supply with high-flow slider MODEL ALF18/ALF28 - supply with jet-flow baffles

Airvector's **ALF** series combines sleek aesthetics with superior functionality, designed for installation in surface or lay-in T-bar ceilings, and plaster-in frame applications. Ideal for modern architectural ceiling suspension systems, the **ALF** series ensures higher air flow with 1 or 2 slots widths to accommodate different CFM requirements, noise, and pressure reduction.

#### **Product Variants:**

**Linear Flow Return:** Designed for higher air flow, matching ALF17/27 Airflow diffusers and ALF18/28 Jetflow diffusers. Ideal for return air applications.

**Linear Flow Airflow:** Fully adjustable sliding pattern controller for precise air direction. Matching ALF10/20 slot returns and ALF18/28 Jetflow diffusers available.

**Linear Flow Jetflow:** Enhanced air flow with jet-flow baffles, providing a unique air distribution pattern. Matching ALF10/20 slot returns and ALF17/27 Airflow diffusers available.

The **ALF** series is an excellent choice for projects requiring a combination of modern aesthetics and high-performance air distribution. With its versatile mounting options, durable construction, and efficient performance, the **ALF** series offers a comprehensive solution for various HVAC needs.



**IRVECTOR** 

#### **GENERAL FEATURES**

• Versatile Mounting: Suitable for surface mount (regular flange or Tape & Spackle) or T-bar lay-in installations.

• Adjustable Air Patterns: Available with or without pattern-control dampers, high-flow sliders, or jet-flow baffles for customizable air distribution.

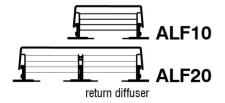
• **Durable Construction:** Made from extruded aluminum for long-lasting performance and a sleek appearance.

• **Custom Sizing:** Five slot sizes available (1", 1.5", 2", 2.5", 3"), with options for 1 to 2 slots wide to meet specific air volume needs.

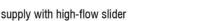
• Efficient Performance: Designed for higher CFM per linear foot, ensuring effective air distribution and reduced noise levels.

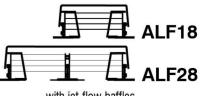
• Ideal for VAV Systems: Compatible with Variable Air Volume (VAV) systems for efficient and flexible air management.

• **High-Quality Finish:** Powder paint coating - White, custom finish available.











### Linear Flow Bar Return Diffuser ALF10/ALF20 Series

		CFM / ft	20	40	60	80	100	120	140
	1-Slot	Ps	0.010	0.036	0.78	0.139	0.215	0.304	0.416
1.0" Slot		NC	-	-	18	26	31	38	44
width		CFM / ft	40	85	130	175	220	265	310
	2-Slot	Ps	0.011	0.044	0.105	0.192	0.302	0.439	0.601
		NC	-	16	28	33	38	43	47
		CFM / ft	30	60	90	120	150	180	210
	1-Slot	Ps	0.010	0.036	0.082	0.148	0.233	0.335	0.452
1.5" Slot		NC	-	-	17	28	35	39	44
width		CFM / ft	60	120	180	240	300	360	420
	2-Slot	Ps	0.012	0.042	0.094	0.169	0.266	0.385	0.528
		NC	-	18	22	29	36	41	47
		CFM / ft	35	75	115	155	195	235	275
	1-Slot	Ps	0.007	0.035	0.081	0.148	0.231	0.337	0.468
2.0" Slot		NC	-	20	25	29	35	39	43
width		CFM / ft	70	150	230	310	390	470	550
	2-Slot	Ps	0.010	0.036	0.094	0.168	0.266	0391	0.543
		NC	<i></i>	23	28	31	36	41	46
		CFM / ft	40	95	150	205	260	315	370
	1-Slot	Ps	0.007	0.030	0.081	0.153	0.242	0.359	0.497
2.5" Slot		NC		-	20	28	34	40	52
width		CFM / ft	80	190	300	410	520	630	740
	2-Slot	Ps	0.007	0.044	0.094	0.173	0.280	0.415	0.573
		NC	-	18	24	30	36	42	55
		CFM / ft	50	115	180	245	310	375	440
	1-Slot	Ps	0.007	0.032	0.083	0.156	0.250	0.366	0.510
3 " Slot		NC	-	16	25	34	40	45	45
width		CFM / ft	100	230	360	490	620	750	80
	2-Slot	Ps	0.009	0.040	0.095	0.176	0.264	0.423	0.628
		NC	-	17	24	32	38	44	48

Rev. 6

SYMBOLS Ps Static Pressure in inches of water NC Noise Criteria based on 10 db room absorption

#### LENGTH ADJUSTMENTS

Above data obtained with 4 foot long sections. For lengths other than 4' use the adjustments in adjacent table.

1'.	Diffuser Length	2'	4'	6'	8'	10'
.,	NC Adjustment - Return	0	+3	+5	+6	+7

• Data based on test results according to ANSI/ASHRAE 70-2006.

• Data is derived from pressurized plenum application (non ducted)

disregarding plenum effects for pressure or sound.

• Plenums should be sized to ensure uniform velocity along the slot length.

• To preserve cataloged performance, duct inlet velocities should remain below 700 fpm.



# AIRVECTOR. ENGINEERING PERFORMANCE DATA

#### Linear Flow Bar Diffusers With Continuous Slot Adjustable high-flow slider - ALF17/ALF27 Series

		CFM / ft	25	40	55	70	85	100	115
	1-Slot	Ps	0.03	0.077	0.147	0.235	0.346	0.478	0.618
	1-3101	Throw	5-9-15	10-13-19	13-116-22	15-17-24	16-20-28	18-21-31	19-23-33
1.0" Slot		NC	-	17	27	34	40	46	51
width		CFM / ft	50	75	100	125	150	175	200
	2-Slot	Ps	0.03	0.067	0.127	0.191	0.269	0.363	0.468
	2-5101	Throw	7-12-21	12-17-26	16-21-30	20-24-33	21-26-36	23-27-39	24-30-43
		NC	-	18	27	33	39	45	50
		CFM / ft	30	45	60	75	90	105	120
	1.01-1	Ps	0.034	0.078	0.146	0.217	0.311	0.421	0.545
	1-Slot	Throw	6-11-17	11-15-20	14-17-23	15-18-26	16-19-28	17-22-30	18-23-34
1.5" Slot		NC	-	14	25	32	38	44	50
width		CFM / ft	60	85	110	135	160	185	210
	0.01-4	Ps	0.034	0.068	0.123	0.179	0.245	0.322	0.421
	2-Slot	Throw	9-15-23	13-19-28	18-22-31	19-25-35	22-27-38	24-29-41	25-30-43
		NC	-	-	20	28	32	38	42
		CFM / ft	30	50	70	90	110	130	150
	4.01-1	Ps	0.022	0.06	0.117	0.199	0.290	0.405	0.53
	1-Slot	Throw	6-10-17	9-14-21	13-18-25	16-20-28	17-21-30	19-24-34	20-26-36
2.0" Slot		NC	-	12	22	31	37	42	48
width		CFM / ft	60	95	130	165	200	235	270
		Ps	0.022	0.054	0.102	0.166	0.242	0.326	0.438
	2-Slot	Throw	8-13-23	14-20-29	18-24-34	22-27-37	23-30-41	25-32-45	27-34-49
		NC	-	12	23	30	37	42	48
		CFM / ft	30	55	80	105	130	155	180
		Ps	0.013	0.044	0.093	0.162	0.246	0.350	0.472
	1-Slot	Throw	5-8-17	10-16-21	14-19-26	17-22-30	19-24-34	21-26-37	23-28-40
2.5" Slot		NC	-	12	23	31	38	44	49
width		CFM / ft	60	105	150	195	240	285	330
	0.01	Ps	0.013	0.044	0.082	0.139	0.212	0.296	0.394
	2-Slot	Throw	7-11-22	14-21-30	19-26-35	24-29-40	26-33-46	28-35-50	31-38-53
		NC		14	25	32	39	44	49
		CFM / ft	30	60	90	120	150	180	210
		Ps	0.012	0.047	0.112	0.191	0.293	0.423	0.569
	1-Slot	Throw	4-8-16	11-15-22	15-19-28	18-23-32	20-26-36	22-28-41	24-30-44
3.0" Slot		NC		-	18	28	35	40	45
width		CFM / ft	60	120	180	240	300	360	420
		Ps	0.012	0.047	0.108	0.191	0.295	0.420	0.569
	2-Slot	Throw	6-11-22	14-22-33	22-28-40	27-32-46	29-35-51	32-38-56	34-43-59
		NC	-	-	22	31	38	44	48



Ps Static Pressure in inches of water SYMBOLS

Throw Horizontal distances in feet to a terminal velocity of 150, 100 and 50 FPM

NC Noise Criteria based on 10 db room absorption

LENGTH MULTIPLIERS AND ADJUSTMENTS Above data obtained with 4 foot long sections. For lengths other than 4', use the multipliers and adjustments in adjacent table.

• Data based on test results according to ANSI/ASHRAE 70-2006.

· Data is derived from pressurized plenum application (non ducted)

disregarding plenum effects for pressure or sound.

Plenums should be sized to ensure uniform velocity along the slot length.

• To preserve cataloged performance, duct inlet velocities should remain

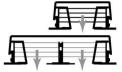
below 700 fpm.

Diffuser Length	2'	4'	6'	8'	10'
Throw Multiplier	0.7	1	1.2	1.5	1.8
NC Adjustment - Supply	-2	0	+2	+3	+4



#### **Linear Flow Bar Jet-Flow Diffusers** Jet-flow baffles - ALF18/ALF28 Series

		CFM / ft	20	40	60	80	100	120	140
	4 01-4	Ps	0.007	0.029	0.065	0.117	0.182	0.260	0.355
	1-Slot	Throw	3-4-8	5-7-13	8-10-20	10-13-23	12-18-26	14-20-28	16-21-31
1.0" Slot		NC	-		18	25	28	33	37
width		CFM / ft	40	85	130	175	220	265	310
	0.01-4	Ps	0.007	0.033	0.077	0.140	0.220	0.319	0.432
	2-Slot	Throw	4-6-10	8-10-20	11-16-29	15-21-34	18-26-38	22-29-40	25-32-45
		NC	-	12	23	30	36	40	44
		CFM / ft	30	60	90	120	150	180	210
	1.01.4	Ps	0.008	0.033	0.075	0.135	0.210	0.302	0.407
	1-Slot	Throw	3-5-8	5-7-16	8-12-23	10-16-28	12-19-31	16-22-33	18-26-37
1.5" Slot		NC	: <del>.</del>	-	18	22	30	34	38
width		CFM /ft	60	120	180	240	300	360	420
	2-Slot	Ps	0.008	0.033	0.075	0.135	0.210	0.302	0.407
	2-3101	Throw	3-6-11	8-11-22	11-15-32	14-21-37	17-27-43	22-32-47	25-36-51
		NC	3 <del>1</del>	-	20	28	32	38	42
		CFM / ft	35	75	115	155	195	235	275
	1-Slot	Ps	0.006	0.028	0.065	0.118	0.190	0.272	0.373
	1-3101	Throw	2-4-8	6-9-17	9-12-24	10-16-31	13-21-35	17-25-39	18-29-42
2.0" Slot		NC	, <del>-</del>	-:	19	26	29	35	39
width		CFM / ft	70	150	230	310	390	470	550
	2-Slot	Ps	0.006	0.028	0.065	0.118	0.190	0.272	0.373
	2-5101	Throw	2-5-11	8-12-23	12-17-35	16-24-44	19-29-49	23-33-54	27-40-59
		NC	<i></i>	17	25	35	40	45	45
		CFM / ft	40	95	150	205	260	315	370
	1-Slot	Ps	0.005	0.029	0.075	0.135	0.216	0.316	0.429
	1-0101	Throw	2-4-8	7-9-19	10-14-26	12-19-36	16-24-40	18-28-44	23-34-47
2.5" Slot		NC	-	-	19	26	32	38	42
width		CFM / ft	80	190	300	410	520	630	740
	2-Slot	Ps	0.005	0.029	0.075	0.135	0.216	0.316	0.429
	2-0101	Throw	3-5-12	8-13-26	12-20-38	17-27-50	23-33-57	27-40-62	31-46-67
		NC	-	11	23	29	36	40	44
		CFM / ft	50	115	180	245	310	375	440
	1-Slot	Ps	0.005	0.029	0.074	0.134	0.213	0.312	0.419
	1-0101	Throw	2-4-9	6-10-19	10-14-29	14-20-39	17-25-44	21-29-48	24-34-52
3.0" Slot		NC	2 <b>-</b>	-	18	25	31	36	40
width		CFM / ft	100	230	360	490	620	750	880
	2-Slot	Ps	0.005	0.029	0.074	0.134	0.213	0.312	0.419
	2-3101	Throw	2-4-12	8-13-26	13-21-40	19-28-54	24-35-62	29-43-68	33-50-73
		NC	-	-	22	285	35	41	45



Ps Static Pressure in inches of water SYMBOLS

Throw Vertical distances in feet to a terminal velocity of 150, 100 and 50 FPM

NC Noise Criteria based on 10 db room absorption

LENGTH MULTIPLIERS AND ADJUSTMENTS Above data obtained with 4 foot long sections. For lengths other than 4', use the multipliers and adjustments in adjacent table.

• Data based on test results according to ANSI/ASHRAE 70-2006.

• Data is derived from pressurized plenum application (non ducted)

disregarding plenum effects for pressure or sound.

• Plenums should be sized to ensure uniform velocity along the slot length. Page 4

• To preserve cataloged performance, duct inlet velocities should remain

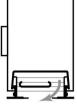
below 700 fpm.

Diffuser Length	2'	4'	6'	8'	10'
Throw Multiplier	0.7	1	1.2	1.5	1.8
NC Adjustment - Supply	-2	0	+2	+3	+4



# Linear Flow Bar High-Flow Diffusers Plenum with adjustable high-flow slider - ALF17 Series

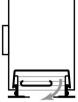
			CFM / ft	25	50	75	100	125	150	175
			Total Pressure	0.008	0.032	0.072	0.129	0.201	0.296	0.394
		2 ft.	Ps	0.007	0.032	0.072	0.129	0.201	0.255	0.345
		211.	5.950							
			NC	<10	<10	<10	20	28	36	40
			Throw	1-2-6	3-6-10	6-9-12	8-10-14	9-11-16	10-12-18	11-13-19
			CFM / ft	40	80	120	160	200	240	280
1.0" Slot	1-Slot		Total Pressure	0.007	0.028	0.064	0.114	0.185	0.255	0.348
	32 CD32523933	4 ft.	Ps	0.005	0.018	0.041	0.072	0.115	0.162	0.221
Width	6" Inlet	1 1	NC	<10	<10	<10	16	24	31	37
		1 1	Throw	1-2-6	3-6-13	6-10-16	9-13-18		13-16-22	
			CFM / ft	50	100	150	200	250	300	350
			Total Pressure	0.009	0.034	0.077	0.137	0.216	0.308	0.419
		5 ft.	Ps	0.005	0.018	0.041	0.072	0.210	0.162	0.221
		5 IL								
			NC	<10	<10	<10	18	25	33	38
			Throw	1-2-7	3-7-14	7-11-18	10-14-20	12-16-23	14-18-25	16-19-27
			CFM / ft	50	75	100	125	150	175	200
		I [	Total Pressure	0.029	0.066	0.118	0.184	0.265	0.361	0.471
		2 ft.	Ps	0.028	0.063	0.113	0.176	0.253	0.345	0.450
			NC	<10	<10	19	27	34	40	44
			Throw	2-5-9	6-9-12	8-10-14	9-11-15	10-12-18	11-13-19	12-14-20
			CFM / ft	70	110	150	190	230	270	310
	1	1 ł	Total Pressure	0.016	0.040	0.075	0.120	0.176	0.243	0.320
1.0" Slot	1-Slot	4 ft.	Ps	0.010	0.040	0.073	0.120	0.149	0.245	0.320
Width	8" Inlet	4 11.	NC				22			500 C 10 C
				<10	<10	13		29	35	40
			Throw	2-5-10	6-9-15	8-12-18	10-14-20	12-15-21	14-17-24	15-18-25
			CFM / ft	80	130	180	230	280	330	380
			Total Pressure	0.015	0.039	0.075	0.122	0.181	0.252	0.334
		5 ft.	Ps	0.008	0.030	0.058	0.095	0.141	0.196	0.260
		[	NC	<10	<10	13	22	29	35	40
			Throw	2-5-12	6-9-16	9-13-19	11-15-22	14-17-24	15-18-26	16-20-28
			CFM / ft	40	70	100	130	160	190	220
			Total Pressure	0.020	0.052	0.106	0.180	0.272	0.384	0.515
		2 ft.	Ps	0.014	0.044	0.090	0.152	0.231	0.326	0.437
		<sup>_</sup> "	NC	<10	<10	16	25	33	40	46
		I	Throw	2-5-9	5-8-12	8-10-14	9-12-16	11-13-18	11-14-20	12-15-21
			CFM / ft	80	120	160	200	240	280	320
1.5" Slot	1-Slot		Total Pressure	0.024	0.056	0.099	0.155	0.223	0.304	0.397
Width	6" Inlet	4 ft.	Ps	0.013	0.032	0.058	0.090	0.130	0.177	0.231
	0 11101	I [	NC	<10	<10	12	20	27	33	38
			Throw	3-6-13	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24	15-18-26
			CFM / ft	90	140	190	240	290	340	390
			Total Pressure	0.023	0.060	0.111	0.176	0.258	0.354	0.466
		5 ft.	Ps	0.011	0.028	0.052	0.083	0.121	0.167	0.220
		l	NC	<10	<10	12	20	27	33	39
		1 ł	Throw	3-6-13	6-10-17	9-14-20	11-16-22	14-17-24	15-19-27	16-20-28
		┝──┤	CFM / ft	40	70	100	130	160	190	220
					0.047	0.095			0.344	
		<u></u>	Total Pressure	0.015			0.161	0.244		0.461
		2 ft.	Ps	0.014	0.044	0.090	0.152	0.231	0.326	0.437
			NC	<10	<10	14	24	31	38	44
			Throw	2-5-9	5-8-12	8-10-14	9-12-16	11-13-18	11-14-20	12-15-21
			CFM / ft	80	130	180	230	280	330	380
1 6" 01-1	1 01-1	[	Total Pressure	0.018	0.047	0.090	0.146	0.217	0.301	0.400
1.5" Slot	1-Slot	4 ft.	Ps	0.014	0.038	0.073	0.119	0.177	0.246	0.326
Width	8" Inlet		NC	<10	<10	15	24	32	38	43
		1 ł	Throw	3-6-13	7-10-16	10-14-19	12-16-22	14-17-24	15-18-26	16-20-28
			CFM / ft	90	150	210	270	330	390	450
			'							
			Total Pressure	0.016	0.044	0.086	0.143	0.213	0.298	0.396
		5 ft.	Ps	0.012	0.032	0.064	0.105	0.157	0.220	0.292
		1 I	NC	<10	<10	14	24	31	37	43
		I Í	Throw	3-6-13	7-11-18	10-14-20	13-17-24	15-18-26	16-20-28	18-22-31





# Linear Flow Bar High-Flow Diffusers Plenum with adjustable high-flow slider - ALF17 Series

			CFM / ft	50	85	120	155	190	225	260
		1	Total Pressure	0.015	0.045	0.089	0.149	0.223	0.313	0.418
		2 ft.	Ps	0.014	0.041	0.082	0.136	0.205	0.270	0.383
			NC	<10	<10	12	21	28	33	40
			Throw	2-5-10	6-9-13	8-11-16	10-13-18	11-14-20	12-15-22	13-16-23
			CFM / ft	90	150	210	270	330	390	450
0.01 01-1	4 01-1	i I	Total Pressure	0.016	0.043	0.085	0.141	0.210	0.294	0.391
2.0" Slot	1-Slot	4 ft.	Ps	0.011	0.032	0.063	0.103	0.154	0.216	0.287
Width	8" Inlet		NC	<10	<10	20	29	36	42	48
			Throw	3-6-13	7-11-18	10-13-21	13-17-24	15-18-26	16-20-28	18-22-31
			CFM / ft	100	165	230	295	360	425	490
			Total Pressure	0.014	0.039	0.075	0.124	0.184	0.256	0.341
		5 ft.	Ps	0.009	0.025	0.048	0.079	0.118	0.164	0.218
		i I	NC	<10	<10	19	28	36	42	47
		1	Throw	2-5-13	6-10-18	10-15-22	13-17-25	15-19-27	17-21-30	18-23-32
			CFM / ft	50	90	130	170	210	250	290
		1	Total Pressure	0.014	0.047	0.098	0.167	0.254	0.361	0.485
		2 ft.	Ps	0.014	0.046	0.096	0.164	0.250	0.354	0.477
		1000 D.C.C.	NC	<10	<10	<10	13	20	27	32
			Throw	2-5-10	6-9-14	9-11-17	11-13-19	12-15-21	13-16-23	14-17-24
			CFM / ft	90	165	240	315	390	465	540
0.01 01 1	4 40		Total Pressure	0.012	0.041	0.087	0.151	0.231	0.328	0.443
2.0" Slot	1-Slot	4 ft.	Ps	0.011	0.039	0.082	0.141	0.216	0.306	0.413
Width	12" Inlet		NC	<10	<10	13	23	31	37	43
		1	Throw	3-6-13	8-12-18	11-16-22	15-18-26	15-20-28	18-22-31	19-24-33
			CFM / ft	100	190	280	370	460	550	640
			Total Pressure	0.010	0.036	0.079	0.138	0.213	0.305	0.413
		5 ft.	Ps	0.009	0.033	0.071	0.124	0.192	0.274	0.372
			NC	<10	<10	15	25	33	39	45
			Throw	2-5-13	8-12-19	12-17-24	16-20-28	18-22-31	19-24-34	21-26-35
			CFM / ft	100	145	190	235	280	325	370
		i I	Total Pressure	0.036	0.076	0.131	0.201	0.285	0.384	0.498
		2 ft.	Ps	0.034	0.072	0.123	0.189	0.269	0.362	0.469
			NC	<10	<10	17	26	33	39	44
			Throw	6-10-14	9-12-16	11-14-20	13-16-22	14-17-23	15-18-26	16-20-28
			CFM / ft	140	220	300	380	460	540	620
0.51.01.4	1 0.4		Total Pressure	0.021	0.052	0.096	0.154	0.226	0.311	0.410
2.5" Slot	1-Slot	4 ft.	Ps	0.017	0.041	0.077	0.124	0.181	0.250	0.329
Width	10" Inlet		NC	<10	<10	20	29	37	44	49
			Throw	5-9-17	10-15-25	14-18-25	16-19-28	18-22-31	19-24-33	21-25-34
			CFM / ft	150	240	330	420	510	600	690
			Total Pressure	0.017	0.044	0.081	0.134	0.197	0.273	0.361
		5 ft.	Ps	0.012	0.032	0.058	0.097	0.143	0.197	0.261
			NC	<10	<10	18	28	36	43	49
			Throw	4-9-18	10-15-22	13-18-26	17-21-29	19-23-32	20-25-35	22-27-38
			CFM / ft	100	145	190	235	280	325	370
			Total Pressure	0.035	0.074	0.127	0.195	0.277	0.373	0.483
		2 ft.	Ps	0.034	0.072	0.124	0.189	0.269	0.362	0.469
		[	NC	<10	<10	12	21	28	34	40
			Throw	6-10-14	9-12-17	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28
			CFM / ft	140	225	310	395	480	565	650
2.5" Slot	1-Slot		Total Pressure	0.019	0.049	0.092	0.149	0.221	0.306	0.405
Width	12" Inlet	4 ft.	Ps	0.017	0.043	0.082	0.134	0.197	0.273	0.362
wiutii		[	NC	<10	<10	16	26	31	39	45
			Throw	5-9-17	10-15-24	14-18-25	17-20-29	18-22-32	20-24-34	21-26-37
			CFM / ft	150	250	350	450	550	650	750
		[	Total Pressure	0.015	0.041	0.080	0.132	0.196	0.274	0.365
		5 ft. [	Ps	0.012	0.034	0.067	0.111	0.166	0.232	0.308
		[	NC	<10	<10	16	26	34	41	47
			Throw	4-9-18	10-15-23	14-19-27	18-22-31	19-24-34	21-26-37	23-28-39





### Linear Flow Bar High-Flow Diffusers

Plenum with adjustable high-flow slider - ALF17 Series

			CFM / ft	125	170	215	260	305	350	395
			Total Pressure	0.051	0.095	0.152	0.222	0.306	0.403	0.513
		2 ft.	Ps	0.048	0.089	0.142	0.208	0.286	0.377	0.480
			NC	<10	<10	15	23	30	36	41
			Throw	7-11-16	10-13-19	12-15-21	13-17-23	15-18-25	16-19-27	17-20-30
			CFM / ft	200	275	350	425	500	575	650
2.07 01-4	1.01-1		Total Pressure	0.039	0.074	0.120	0.177	0.245	0.324	0.414
3.0" Slot Width	1-Slot 10" Inlet	4 ft.	Ps	0.031	0.058	0.094	0.139	0.192	0.254	0.325
wiath	TO Inter		NC	<10	<10	17	25	29	36	42
			Throw	8-13-20	12-17-24	15-19-27	17-21-30	19-23-32	20-24-34	21-26-37
			CFM / ft	220	310	400	490	580	670	760
			Total Pressure	0.034	0.068	0.112	0.169	0.236	0.315	0.406
		5 ft.	Ps	0.024	0.047	0.079	0.118	0.166	0.221	0.284
			NC	<10	<10	17	25	33	40	46
			Throw	8-12-21	12-17-25	15-20-281	5618-23-32	20-24-35	21-26-37	23-28-40
			CFM / ft	125	170	215	260	305	350	395
			Total Pressure	0.050	0.092	0.147	0.215	0.296	0.389	0.496
		2 ft.	Ps	0.048	0.089	0.142	0.208	0.286	0.377	0.480
			NC	<10	<10	11	19	26	32	37
			Throw	7-11-16	10-13-19	12-15-20	13-16-23	15-18-24	16-19-27	17-20-29
			CFM / ft	200	290	380	470	560	650	740
3.0" Slot	1-Slot		Total Pressure	0.035	0.073	0.126	0.192	0.273	0.368	0.477
Width	12" Inlet	4 ft.	Ps	0.031	0.065	0.111	0.170	0.241	0.325	0.421
Widdi			NC	<10	<10	16	26	31	40	44
			Throw	8-13-20	12-17-24	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39
			CFM / ft	220	330	440	550	660	770	880
			Total Pressure	0.029	0.065	0.115	0.180	0.259	0.352	0.460
		5 ft.	Ps	0.024	0.054	0.095	0.149	0.215	0.292	0.381
			CFM / ft	<10	<10	17	26	34	41	46
			Throw	8-12-21	12-18-26	16-21-30	19-24-34	21-26-37	23-28-40	25-30-43

SYMBOLS

#### S Ps Static Pressure in inches of water

Throw Vertical distances in feet to a terminal velocity of 150, 100 and 50 FPM

NC Noise Criteria based on 10 db room absorption

#### LENGTH MULTIPLIERS AND ADJUSTMENTS

Above data obtained with 4 foot long sections. For lengths other than 4', use the multipliers and adjustments in adjacent table.

Diffuser Length	2'	4'	6'	8'	10'
Throw Multiplier	0.7	1	1.2	1.5	1.8
NC Adjustment - Supply	-2	0	+2	+3	+4
NC Adjustment - Return	0	+3	+4	+5	+7

Data based on test results according to ANSI/ASHRAE 70-2006.



# Linear Flow Bar High-Flow Diffusers Plenum with adjustable high-flow slider - ALF27 Series

	1									
			CFM / ft	80	120	160	200	240	280	320
			Total Pressure	0.021	0.048	0.085	0.133	0.192	0.261	0.341
		2 ft.	Ps	0.019	0.041	0.072	0.113	0.162	0.221	0.288
			NC	<10	<10	15	24	30	36	41
			Throw	3-6-13	6-10-17	9-13-18	11-14-20	13-16-22	14-17-24	15-18-26
			CFM / ft	160	230	300	370	440	510	580
			Total Pressure	0.031	0.064	0.109	0.167	0.235	0.316	0.409
1.0" Slot	2-Slot	4 ft.	Ps	0.018	0.037	0.064	0.096	0.136	0.183	0.237
Width	8" Inlet	410	NC	<10	<10	18	25	32	37	42
			Throw	4-9-18	9-13-22	11-17-25	14-20-28	17-21-30	19-23-32	20-24-35
			CFM / ft	200	280	360	440	520	600	680
			Total Pressure	0.039	0.075	0.125	0.186	0.260	0.347	0.445
		5 ft.	Ps	0.018	0.035	0.058	0.087	0.122	0.162	0.208
			NC	<10	<10	18	26	31	36	41
			Throw	5-10-20	9-14-24	12-18-27	15-21-30	18-23-33	20-25-35	22-27-38
			CFM / ft	80	130	180	230	280	330	380
			Total Pressure	0.019	0.051	0.098	0.160	0.238	0.329	0.437
		2 ft.	Ps	0.018	0.048	0.091	0.149	0.221	0.307	0.407
			NC	<10	<10	19	28	35	41	47
			Throw	3-6-13	7-11-16	10-14-19	12-15-22	14-17-24	15-18-26	16-20-28
			CFM / ft	160	240	320	400	480	560	640
			Total Pressure	0.023	0.053	0.094	0.146	0.211	0.288	0.374
1.0" Slot	2-Slot	4 ft.	Ps	0.023	0.033	0.094	0.140	0.211	0.200	0.374
Width	10" Inlet	416	NC	<10	<10	19	27	34	40	45
									10110	
			Throw	4-9-18	9-14-22	12-18-26	15-20-29	18-22-32	20-24-34	21-27-36
			CFM / ft	200	295	390	485	580	675	770
			Total Pressure	0.026	0.057	0.100	0.155	0.222	0.302	0.392
		5 ft.	Ps	0.018	0.039	0.069	0.106	0.152	0.205	0.267
			NC	<10	<10	20	28	34	40	45
			Throw	5-10-20	10-15-25	13-20-28	17-22-32	20-24-36	22-26-37	23-28-40
			CFM / ft	120	160	200	240	280	320	360
			Total Pressure	0.040	0.071	0.111	0.160	0.217	0.283	0.359
		2 ft.	Ps	0.032	0.058	0.090	0.130	0.177	0.231	0.292
		2 11.	NC	<10	11	20	26	32	37	41
			Throw	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24	15-18-26	16-19-27
			CFM / ft	240	310	380	450	520	590	660
			Total Pressure	0.062	0.103	0.155	0.218	0.291	0.375	0.469
1.5" Slot	2-Slot									
Width	8" Inlet	4 ft.	Ps	0.032	0.055	0.081	0.114	0.152	0.196	0.246
	1		NC	<10	15	22	28	34	38	43
			Throw	9-14-22	12-18-25	14-20-28	17-22-31	19-23-33	20-25-35	21-26-37
			CFM / ft	300	370	440	510	580	650	720
			Total Pressure	0.079	0.120	0.169	0.227	0.294	0.369	0.453
		5 ft.	Ps	0.031	0.049	0.070	0.094	0.121	0.152	0.187
			NC	<10	14	21	26	31	35	39
			Throw	10-15-25	13-19-29	15-21-30	17-23-32	20-24-35	21-26-37	22-27-39
			CFM / ft	120	170	220	270	320	370	420
			Total Pressure	0.034	0.068	0.114	0.172	0.241	0.323	0.416
		2 ft.	Ps	0.032	0.065	0.109	0.164	0.231	0.309	0.398
			NC	<10	11	22	29	35	40	45
			Throw	6-10-16	9-13-19	12-15-21	14-17-24	15-18-26	16-20-28	17-21-29
		<u> </u>	CFM / ft	240	320	400	480	560	640	720
			Total Pressure	0.038	0.068	0.106	0.153	0.209	040	0.345
1.5" Slot	2-Slot									
Width	12" Inlet	4 ft.	Ps	0.032	0.058	0.090	0.131	0.177	0.231	0.292
			NC	<10	14	22	29	35	40	44
			Throw	9-14-22	12-18-26	15-20-29	18-22-32	20-24-34	21-26-36	22-27-39
			CFM / ft	300	400	500	600	700	800	900
			Total Pressure	0.042	0.074	0.116	0.166	0.226	0.296	0.374
		5 ft.	Ps	0.032	0.058	0.090	0.130	0.178	0.231	0.292
			NC	<10	15	24	31	36	41	46
			Throw	10-15-25	14-20-29	17-23-32	20-25-35	22-27-38	23-29-41	25-31-43
			Inrow	10-10-20	14-20-29	17-23-32	20-20-30	22-21-38	23-29-41	20-31-43





# Linear Flow Bar High-Flow Diffusers Plenum with adjustable high-flow slider - ALF27 Series

	1									
,			CFM / ft	120	165	210	255	300	345	390
			Total Pressure	0.029	0.053	0.085	0.125	0.174	0.230	0.294
		2 ft.	Ps	0.020	0.039	0.063	0.092	0.128	0.169	0.216
			NC	<10	11	20	27	33	38	42
			Throw	5-9-16	8-12-18	10-15-21	12-16-23	14-18-25	15-19-27	16-20-28
			CFM / ft	240	300	360	420	480	540	600
			Total Pressure	0.050	0.078	0.112	0.153	0.200	0.253	0.312
2.0" Slot	2-Slot			10/003/00/7/2003		CALLSC AN AND THE		V201 2182585		KN211952 10.5 8.
Width	8" Inlet	4 ft.	Ps	0.020	0.031	0.046	0.063	0.082	0.103	0.128
			NC	12	21	27	33	38	43	47
			Throw	7-12-22	10-15-25	12-19-27	14-21-29	16-22-32	18-24-33	20-25-35
			CFM / ft	260	325	390	455	520	585	650
			Total Pressure	0.050	0.078	0.112	0.153	0.200	0.253	0.312
		5 ft.	Ps	0.015	0.024	0.034	0.045	0.061	0.078	0.096
			NC	11	20	26	32	37	42	46
			Throw	6-12-23	9-15-26	12-18-28	14-20-31	16-24-33	18-25-35	19-26-37
			CFM / ft		ROME DEPOTY Designed 5				495	570
		╏ ┝		120	195	270	345	420		
			Total Pressure	0.022	0.058	0.111	0.181	0.268	0.372	0.493
	1	2 ft.	Ps	0.020	0.054	0.103	0.169	0.250	0.348	0.460
	1		NC	<10	<10	17	26	33	39	45
	1		Throw	5-9-16	9-14-20	13-17-24	15-19-27	17-21-29	18-23-32	20-24-34
	1		CFM / ft	240	330	420	510	600	690	780
	7.0.000 0		Total Pressure	0.026	0.050	0.080	0.118	0.164	0.217	0.277
2" Slot	2-Slot	4 ft.	Ps	0.020	0.039	0.063	0.092	0.128	0.169	0.216
Width	12" Inlet	- ""	NC	<10	12	21	28	34	40	44
	1		Throw					11197 PG		
	1	┝──┤		7-12-22	11-17-26	14-21-29	17-23-32	20-25-35	22-27-38	23-28-40
	1		CFM / ft	280	380	480	580	680	780	880
			Total Pressure	0.026	0.047	0.076	0.110	0.152	0.200	0.254
	1	5 ft.	Ps	0.018	0.033	0.052	0.076	0.105	0.138	0.177
	1	[	NC	<10	14	22	29	35	40	45
			Throw	6-13-24	11-17-28	14-22-32	17-24-35	20-27-38	23-28-40	25-30-43
	1		CFM / ft	80	160	240	320	400	480	560
	1		Total Pressure	0.007	0.027	0.061	0.109	0.171	0.247	0.334
	1	2 ft.	Ps	0.005	0.022	0.049	0.088	0.137	0.197	0.269
		2	NC	<10	<10	11	22	31	39	45
		▎  ⊦		14 542	13 B	20124		218.10	22522	2020-10
			Throw	2-4-11	7-11-18	11-16-22	14-18-26	17-20-29	18-22-32	20-24-34
			CFM / ft	160	280	400	520	640	760	880
2.5" Slot	2-Slot		Total Pressure	0.011	0.033	0.068	0.115	0.175	0.245	0.328
Width	10" Inlet	4 ft. [	Ps	0.005	0.017	0.034	0.058	0.088	0.124	0.166
wiutif		I [	NC	<10	<10	15	26	35	42	48
	1		Throw	3-6-15	8-13-24	13-19-29	17-23-34	20-26-36	23-28-40	25-30-43
	1		CFM / ft	200	335	470	605	740	875	1010
	1		Total Pressure	0.014	0.039	0.077	0.128	0.190	0.266	0.354
	1	5 ft.	Ps	0.005	0.005	0.030	0.050	0.075	0.105	0.140
								NU 181001 998	42	
		<b>,</b> , , , , , , , , , , , , , , , , , ,	NC		~10	17	27 1			
			NC	<10	<10	17	27	35		48
		•	Throw	3-6-17	8-14-26	13-20-31	17-25-35	21-28-39	25-30-43	26-32-46
		•	Throw CFM / ft	3-6-17 80	8-14-26 170	13-20-31 260	17-25-35 350	21-28-39 440	25-30-43 530	26-32-46 620
			Throw CFM / ft Total Pressure	3-6-17 80 0.006	8-14-26 170 0.028	13-20-31 260 0.066	17-25-35 350 0.117	21-28-39 440 0.185	25-30-43 530 0.269	26-32-46 620 0.368
		2 ft.	Throw CFM / ft Total Pressure Ps	3-6-17 80 0.006 0.005	8-14-26 170 0.028 0.025	13-20-31 260 0.066 0.058	17-25-35 350 0.117 0.105	21-28-39 440 0.185 0.166	25-30-43 530 0.269 0.241	26-32-46 620 0.368 0.329
			Throw CFM / ft Total Pressure	3-6-17 80 0.006	8-14-26 170 0.028	13-20-31 260 0.066 0.058 <10	17-25-35 350 0.117 0.105 21	21-28-39 440 0.185 0.166 31	25-30-43 530 0.269	26-32-46 620 0.368
			Throw CFM / ft Total Pressure Ps	3-6-17 80 0.006 0.005	8-14-26 170 0.028 0.025	13-20-31 260 0.066 0.058	17-25-35 350 0.117 0.105	21-28-39 440 0.185 0.166	25-30-43 530 0.269 0.241	26-32-46 620 0.368 0.329
			Throw CFM / ft Total Pressure Ps NC Throw	3-6-17 80 0.006 0.005 <10 2-4-11	8-14-26 170 0.028 0.025 <10 8-12-19	13-20-31 260 0.066 0.058 <10 12-16-23	17-25-35 350 0.117 0.105 21 16-19-27	21-28-39 440 0.185 0.166 31 17-21-30	25-30-43 530 0.269 0.241 38 19-23-33	26-32-46 620 0.368 0.329 45 21-25-36
			Throw CFM / ft Total Pressure Ps NC Throw CFM / ft	3-6-17 80 0.006 0.005 <10 2-4-11 160	8-14-26 170 0.028 0.025 <10 8-12-19 295	13-20-31 260 0.066 0.058 <10 12-16-23 430	17-25-35 350 0.117 0.105 21 16-19-27 565	21-28-39 440 0.185 0.166 31 17-21-30 700	25-30-43 530 0.269 0.241 38 19-23-33 835	26-32-46 620 0.368 0.329 45 21-25-36 970
2.5" Slot	2-Slot	2 ft.	Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure	3-6-17 80 0.006 0.005 <10 2-4-11 160 0.008	8-14-26 170 0.028 0.025 <10 8-12-19 295 0.027	13-20-31 260 0.066 0.058 <10 12-16-23 430 0.058	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297
2.5" Slot Width	2-Slot 12" Inlet		Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps	3-6-17 80 0.006 0.005 <10 2-4-11 160 0.008 0.006	8-14-26 170 0.028 0.025 <10 8-12-19 295 0.027 0.019	13-20-31 260 0.066 0.058 <10 12-16-23 430 0.058 0.040	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101 0.068	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155 0.105	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220 0.149	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297 0.202
	And the process second	2 ft.	Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	3-6-17 80 0.006 0.005 <10 2-4-11 160 0.008 0.006 <10	8-14-26 170 0.028 0.025 <10 8-12-19 295 0.027 0.019 <10	13-20-31           260           0.066           0.058           <10           12-16-23           430           0.058           0.058           13	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101 0.068 25	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155 0.105 33	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220 0.149 41	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297 0.202 47
	And the process second	2 ft.	Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw	3-6-17 80 0.006 <10 2-4-11 160 0.008 0.006 <10 3-6-15	8-14-26 170 0.028 0.025 <10 8-12-19 295 0.027 0.019 <10 9-14-25	13-20-31           260           0.066           0.058           <10           12-16-23           430           0.058           0.040           13           14-21-30	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101 0.068 25 18-24-34	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155 0.105 33 22-27-38	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220 0.149 41 24-29-42	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297 0.202 47 26-32-45
	And the process second	2 ft.	Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft	3-6-17 80 0.006 <10 2-4-11 160 0.008 0.006 <10 3-6-15 200	8-14-26 170 0.028 0.025 <10 8-12-19 295 0.027 0.019 <10 9-14-25 350	13-20-31           260           0.066           0.058           <10           12-16-23           430           0.058           0.040           13           14-21-30           500	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101 0.068 25 18-24-34 650	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155 0.105 33 22-27-38 800	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220 0.149 41 24-29-42 950	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297 0.202 47 26-32-45 1100
	And the process second	2 ft.	Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw	3-6-17 80 0.006 <10 2-4-11 160 0.008 0.006 <10 3-6-15	8-14-26 170 0.028 0.025 <10 8-12-19 295 0.027 0.019 <10 9-14-25	13-20-31           260           0.066           0.058           <10           12-16-23           430           0.058           0.040           13           14-21-30	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101 0.068 25 18-24-34	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155 0.105 33 22-27-38	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220 0.149 41 24-29-42	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297 0.202 47 26-32-45
	And the process second	2 ft.	Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft	3-6-17 80 0.006 <10 2-4-11 160 0.008 0.006 <10 3-6-15 200	8-14-26 170 0.028 0.025 <10 8-12-19 295 0.027 0.019 <10 9-14-25 350	13-20-31           260           0.066           0.058           <10           12-16-23           430           0.058           0.040           13           14-21-30           500	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101 0.068 25 18-24-34 650	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155 0.105 33 22-27-38 800	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220 0.149 41 24-29-42 950	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297 0.202 47 26-32-45 1100
	And the protocol states	2 ft.	Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure	3-6-17 80 0.006 2-40 2-4-11 160 0.008 0.006 <10 3-6-15 200 0.010	8-14-26           170           0.028           0.025           <10	13-20-31           260           0.066           0.058           <10	17-25-35 350 0.117 0.105 21 16-19-27 565 0.101 0.068 25 18-24-34 650 0.101	21-28-39 440 0.185 0.166 31 17-21-30 700 0.155 0.105 33 22-27-38 800 0.153	25-30-43 530 0.269 0.241 38 19-23-33 835 0.220 0.149 41 24-29-42 950 0.215	26-32-46 620 0.368 0.329 45 21-25-36 970 0.297 0.202 47 26-32-45 1100 0.288





### Linear Flow Bar Jet-Flow Diffusers

Plenum with adjustable high-flow slider - ALF27 Series

	1			0.0	100	000	0.00	400	500	000
			CFM / ft	80	180	280	380	480	580	680
			Total Pressure	0.006	0.032	0.077	0.141	0.226	0.329	0.453
		2 ft.	Ps	0.006	0.025	0.060	0.111	0.177	0.259	0.356
			NC	<10	<10	<10	20	31	39	46
3.0" 2 Slot			Throw	1-3-10	7-12-19	12-17-24	16-20-28	18-22-32	20-24-35	22-27-38
			CFM / ft	150	300	450	600	750	900	1050
	2 Slot		Total Pressure	0.009	0.036	0.081	0.145	0.226	0.326	0.444
Slot	10" Inlet	4 ft.	Ps	0.004	0.017	0.040	0.069	0.108	0.156	0.212
Width			NC	<10	<10	<10	22	32	41	48
	1 1		Throw	2-4-13	7-13-25	13-20-31	18-25-35	22-28-39	25-31-43	27-33-47
			CFM / ft	180	350	520	690	860	1030	1200
		5 ft.	Total Pressure	0.011	0.041	0.090	0.159	0.246	0.353	0.480
			Ps	0.004	0.015	0.033	0.059	0.091	0.131	0.177
			NC	<10	<10	10	22	33	41	48
			Throw	2-4-14	7-14-27	14-21-33	18-27-38	23-30-42	27-33-46	29-35-50
			CFM / ft	80	180	280	380	480	580	680
			Total Pressure	0.006	0.028	0.068	0.126	0.201	0.293	0.403
		2 ft.	Ps	0.005	0.025	0.060	0.111	0.177	0.259	0.356
			NC	<10	<10	<10	16	26	35	42
			Throw	1-3-10	7-11-19	12-16-24	16-20-28	18-22-32	20-24-35	22-27-38
			CFM / ft	150	310	470	630	790	950	1110
3.0"	2 Slot		Total Pressure	0.007	0.028	0.065	0.117	0.183	0.265	0.362
Slot	12" Inlet	4 ft.	Ps	0.004	0.019	0.043	0.076	0.120	0.174	0.237
Width			NC	<10	<10	<10	19	30	38	45
			Throw	2-4-13	8-14-25	14-21-31	19-26-36	23-29-40	26-31-44	28-34-48
			CFM / ft	180	360	540	720	900	1080	1260
			Total Pressure	0.007	0.029	0.065	0.116	0.182	0.262	0.356
		5 ft.	Ps	0.004	0.016	0.036	0.064	0.100	0.144	0.197
			NC	<10	<10	<10	20	30	38	45
			Throw	2-4-14	7-14-27	14-21-33	19-26-39	24-31-43	27-33-47	29-36-51

SYMBOLS Ps Static Pressure in inches of water

Throw Vertical distances in feet to a terminal velocity of 150, 100 and 50 FPM

NC Noise Criteria based on 10 db room absorption

LENGTH MULTIPLIERS AND ADJUSTMENTS

Above data obtained with 4 foot long sections. For lengths other than 4', use the multipliers and adjustments in adjacent table.

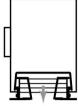
Diffuser Length	2'	4'	6'	8'	10'
Throw Multiplier	0.7	1	1.2	1.5	1.8
NC Adjustment - Supply	-2	0	+2	+3	+4
NC Adjustment - Return	0	+3	+4	+5	+7

Data based on test results according to ANSI/ASHRAE 70-2006.



### Linear Jet-Flow Diffusers Plenum with jet-flow baffles - ALF18 Series

			CFM / ft	50	95	140	185	230	275	320
			Total Pressure	0.010	0.043	0.093	0.163	0.252	0.361	0.488
		2 ft.	Static Pressure	0.009	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	16	23	29	34	39
			Throw	2-3-6	4-5-12	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
	1-Slot 8" Inlet		CFM / ft	100	175	250	325	400	475	550
1.0"	5		Total Pressure	0.016	0.048	0.097	0.166	0.252	0.356	0.477
Slot	t 8	4 ft.	Static Pressure	0.011	0.033	0.068	0.112	0.170	0.240	0.322
Width	l S		NC	<10	<10	19	25	30	34	38
	÷		Throw	3-4-8	5-7-14	7-10-19	9-12-22	11-17-24	13-19-26	15-20-28
			CFM / ft	110	195	280	365	450	535	620
			Total Pressure	0.014	0.045	0.094	0.156	0.242	0.342	0.459
		5 ft.	Static Pressure	0.008	0.026	0.053	0.091	0.141	0.195	0.262
			NC	<10	<10	17	24	28	33	37
			Throw	3-4-8	5-7-14	7-10-20	9-13-23	11-17-26	13-20-28	15-21-30
			CFM / ft	50	95	140	185	230	275	320
		2 ft.	Total Pressure	0.011	0.040	0.088 0.083	0.153	0.236 0.225	0.337 0.322	0.457
		211.	Static Pressure NC	0.011 <10	0.038 <10	16	0.146 22	28	33	0.436 39
			Throw	2-3-6	4-6-11	5-8-14	7-11-16	28 9-13-18	11-14-20	12-15-23
	let		CFM / ft	100	180	260	340	420	500	580
1.0"	=		Total Pressure	0.013	0.041	0.086	0.147	0.225	0.318	0.427
Slot	I-Slot 10" Inlet	4 ft.	Static Pressure	0.010	0.034	0.072	0.147	0.188	0.267	0.358
Width	lot	4 10.	NC	<10	<10	18	25	30	35	39
			Throw	3-4-8	5-7-15	7-11-19	9-14-22	12-17-25	14-19-27	16-21-29
		5 ft.	CFM / ft	110	210	310	410	510	610	710
			Total Pressure	0.011	0.039	0.086	0.150	0.234	0.331	0.449
			Static Pressure	0.008	0.030	0.065	0.113	0.177	0.253	0.343
			NC	<10	<10	19	27	31	35	40
			Throw	3-4-8	5-8-16	8-11-21	10-15-24	13-19-27	15-21-30	18-23-32
			CFM / ft	50	95	140	185	230	275	320
			Total Pressure	0.011	0.039	0.086	0.149	0.230	0.329	0.446
		2 ft.	Static Pressure	0.011	0.041	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	15	22	27	32	38
	5		Throw	2-3-6	4-6-11	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
4 01	1		CFM / ft	100	190	280	370	460	550	640
1.0" Slot	2"	4 ft.	Total Pressure	0.012	0.042	0.091	0.159	0.247	0.352	0.477
Width	1-Slot 12" Inlet	4 11.	Static Pressure NC	0.011 <10	0.038	0.083 19	0.146 26	0.225 32	0.322 37	0.436 42
wium	- N		Throw	3-4-8	5-8-16	8-12-20	10-15-23	13-18-26	15-20-28	18-22-30
	- I		CFM / ft	110	220	330	440	550	660	770
			Total Pressure	0.008	0.038	0.085	0.151	0.237	0.341	0.464
		5 ft.	Static Pressure	0.007	0.033	0.074	0.131	0.206	0.297	0.404
			NC	<10	<10	20	27	32	37	42
			Throw	3-4-8	5-8-16	8-12-22	11-16-25	14-20-28	16-22-31	19-24-33
			CFM / ft	60	110	160	210	260	310	360
			Total Pressure	0.014	0.046	0.097	0.167	0.257	0.365	0.492
			Static Pressure	0.008	0.026	0.058	0.096	0.147	0.209	0.282
			NC	<10	<10	<10	16	24	31	37
			Throw	1-3-5	3-5-9	5-7-14	6-9-17	7-11-19	9-13-21	10-15-23
A sector	nlet		CFM / ft	120	180	240	300	360	420	480
1.5"	1-Slot 8" Inlet		Total Pressure	0.031	0.070	0.125	0.195	0.280	0.382	0.498
Slot	of	4 ft.	Static Pressure	0.008	0.018	0.031	0.049	0.069	0.096	0.125
Width	-S		NC	<10	<10	<10	<10	16	22	27
			Throw	2-4-7	4-5-11	5-7-15	6-9-18	7-11-22	8-13-25	10-15-26
			CFM / ft	140	200	260	320	380	440	500
		5 ft.	Total Pressure	0.039	0.079	0.133	0.201	0.284	0.383 0.067	0.492
		511.	Static Pressure NC	<10	0.014	0.024 <10	0.036	0.050	17	
			Throw	2-4-8	<10 4-5-11	5-7-14	<10 6-9-17	12 7-10-21	8-12-24	22 9-14-27
			THOW	2-4-0	J 7-J-11	0-1-14	0-0-17	1-10-21	0-12-24	J-14-21





### Linear Jet-Flow Diffusers Plenum with jet-flow baffles - ALF18 Series

			CFM / ft	60	125	190	255	320	385	450
I			Total Pressure	0.010	0.037	0.086	0.155	0.244	0.354	0.483
		2 ft.	Ps	0.009	0.033	0.079	0.100	0.223	0.322	0.400
			NC	<10	<10	<10	19	28	36	44
			Throw	1-3-5	4-5-10	5-8-16	7-11-19	9-14-22	11-17-24	13-18-26
	let		CFM / ft	120	230	340	450	560	670	780
1.5"	1-Slot 8" Inlet		Total Pressure	0.011	0.040	0.089	0.153	0.236	0.338	0.459
Slot	t 8'	4 ft.	Ps	0.008	0.029	0.065	0.110	0.171	0.244	0.331
Width	Se l		NC	<10	<10	10	20	29	36	42
	÷		Throw	2-4-7	5-7-14	7-10-21	9-13-26	11-17-29	14-20-31	16-24-34
			CFM / ft	140	265	390	516	640	765	890
			Total Pressure	0.011	0.039	0.085	0.148	0.228	0.327	0.442
		5 ft.	Ps	0.007	0.024	0.053	0.092	0.145	0.204	0.276
			NC	<10	<10	<10	19	28	34	40
			Throw	2-4-8	5-7-14	7-11-21	9-14-27	12-17-30	14-20-33	16-24-36
			CFM / ft	60	125	190	255	320	385	450
			Total Pressure	0.008	0.036	0.082	0.148	0.233	0.335	0.461
		2 ft.	Ps	0.008	0.034	0.079	0.141	0.223	0.322	0.442
			NC	<10	<10	<10	18	27	35 11-17-24	43
	et		Throw CFM / ft	1-3-5 120	4-5-11 240	5-8-16 360	7-11-19 480	9-14-22 600	720	13-19-26 840
1.5"	1 2		Total Pressure	0.009	0.037	0.084	0.149	0.232	0.334	0.453
Slot		4 ft.	Ps	0.009	0.037	0.084	0.149	0.232	0.334	0.455
Width		4 10.	NC	<10	<10	10	21	30	37	45
widen			Throw	2-4-7	5-7-15	7-11-22	10-15-26	12-18-30	14-21-32	17-25-35
			CFM / ft	140	280	420	560	700	840	980
			Total Pressure	0.009	0.035	0.079	0.141	0.222	0.317	0.432
	1	5 ft.	Ps	0.007	0.027	0.061	0.109	0.173	0.246	0.334
			NC	<10	<10	10	20	28	36	43
			Throw	2-4-8	5-8-15	8-11-23	10-15-28	13-19-32	15-23-35	18-27-38
			CFM / ft	70	140	210	280	350	420	490
			Total Pressure	0.008	0.033	0.075	0.131	0.206	0.296	0.403
I I		2 ft.	Ps	0.006	0.023	0.051	0.092	0.143	0.206	0.280
			NC	<10	<10	14	21	27	33	38
	te te		NC Throw	1-2-5	3-5-10	5-7-15	7-10-20	8-12-23	10-15-25	12-17-27
0.01	Inlet		NC Throw CFM / ft	1-2-5 140	3-5-10 240	5-7-15 340	7-10-20 440	8-12-23 540	10-15-25 640	12-17-27 740
2.0"	2" Inlet		NC Throw CFM / ft Total Pressure	1-2-5 140 0.016	3-5-10 240 0.045	5-7-15 340 0.093	7-10-20 440 0.156	8-12-23 540 0.235	10-15-25 640 0.329	12-17-27 740 0.440
Slot	ot 12" Inlet	4 ft.	NC Throw CFM / ft Total Pressure Ps	1-2-5 140 0.016 0.005	3-5-10 240 0.045 0.017	5-7-15 340 0.093 0.034	7-10-20 440 0.156 0.057	8-12-23 540 0.235 0.085	10-15-25 640 0.329 0.120	12-17-27 740 0.440 0.160
	-Slot 12" Inlet	4 ft.	NC Throw CFM / ft Total Pressure Ps NC	1-2-5 140 0.016 0.005 <10	3-5-10 240 0.045 0.017 12	5-7-15 340 0.093 0.034 21	7-10-20 440 0.156 0.057 27	8-12-23 540 0.235 0.085 32	10-15-25 640 0.329 0.120 36	12-17-27 740 0.440 0.160 40
Slot	1-Slot 12" Inlet	4 ft.	NC Throw CFM / ft Total Pressure Ps NC Throw	1-2-5 140 0.016 0.005 <10 1-3-7	3-5-10 240 0.045 0.017 12 4-6-12	5-7-15 340 0.093 0.034 21 6-9-17	7-10-20 440 0.156 0.057 27 7-11-22	8-12-23 540 0.235 0.085 32 9-14-27	10-15-25 640 0.329 0.120 36 11-16-30	12-17-27 740 0.440 0.160 40 12-19-33
Slot	1-Slot 12" Inlet	4 ft.	NC Throw CFM / ft Total Pressure Ps NC NC Throw CFM / ft	1-2-5 140 0.016 0.005 <10 1-3-7 150	3-5-10 240 0.045 0.017 12 4-6-12 260	5-7-15 340 0.093 0.034 21 6-9-17 370	7-10-20 440 0.156 0.057 27 7-11-22 480	8-12-23 540 0.235 0.085 32 9-14-27 590	10-15-25 640 0.329 0.120 36 11-16-30 700	12-17-27 740 0.440 0.160 40 12-19-33 810
Slot	1-Slot 12" Inlet		NC Throw CFM / ft Total Pressure Ps NC NC Throw CFM / ft Total Pressure	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459
Slot	1-Slot 12" Inlet	4 ft. 5 ft.	NC Throw CFM / ft Total Pressure Ps NC NC Throw CFM / ft	1-2-5 140 0.016 0.005 <10 1-3-7 150	3-5-10 240 0.045 0.017 12 4-6-12 260	5-7-15 340 0.093 0.034 21 6-9-17 370	7-10-20 440 0.156 0.057 27 7-11-22 480	8-12-23 540 0.235 0.085 32 9-14-27 590	10-15-25 640 0.329 0.120 36 11-16-30 700	12-17-27 740 0.440 0.160 40 12-19-33 810
Slot	1-Slot 12" Inlet		NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015 0.003	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123
Slot	1-Slot 12" Inlet		NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015 0.003 <10	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40
Slot	1-Slot 12" Inlet		NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015 0.003 <10 1-3-7	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34
Slot	1-Slot 12" Inlet		NC         Throw         CFM / ft         Total Pressure         Ps	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015 0.003 <10 1-3-7 70 0.007 0.006	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.112	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353
Slot	1-Slot 12" Inlet		NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015 0.003 <10 1-3-7 70 0.007 0.006 <10	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.112 18	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258 31	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36
Slot			NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           0.003           <10           1-3-7           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.112 18 7-11-21	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24	10-15-25           640           0.329           0.120           36           11-16-30           700           0.343           0.092           36           10-16-31           470           0.304           0.258           31           11-17-26	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28
Slot Width			NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC CFM / ft Total Pressure CFM / ft Total Pressure Ps NC CFM / ft Total Pressure CFM / ft Total Pressure Ps NC CFM / ft Throw CFM / ft	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5           140	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11 265	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.112 18 7-11-21 515	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.210 0.178 26 9-14-24 640	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258 31 11-17-26 765	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890
Slot Width		5 ft.	NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Throw CFM / ft Total Pressure	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5           140           0.010	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11 265 0.035	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.112 18 7-11-21 515 0.132	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24 640 0.207	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258 31 11-17-26 765 0.294	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398
Slot Width 2.0" Slot			NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015 0.003 <10 1-3-7 70 0.007 0.006 <10 1-2-5 140 0.010 0.006	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11 265 0.035 0.021	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076 0.044	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.132 0.112 18 7-11-21 515 0.132 0.077	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24 640 0.207 0.122	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258 31 11-17-26 765 0.294 0.171	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398 0.231
Slot Width		5 ft.	NC Throw CFM / ft Total Pressure Ps NC	1-2-5 140 0.016 0.005 <10 1-3-7 150 0.015 0.003 <10 1-3-7 70 0.007 0.006 <10 1-2-5 140 0.010 0.006 <10	$\begin{array}{r} 3-5-10\\ 240\\ 0.045\\ 0.017\\ 12\\ 4-6-12\\ 260\\ 0.047\\ 0.013\\ 13\\ 3-6-12\\ 150\\ 0.031\\ 0.026\\ <10\\ 4-5-11\\ 265\\ 0.035\\ 0.021\\ 10\\ \end{array}$	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076 0.044 19	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.132 0.112 18 7-11-21 515 0.132 0.077 25	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24 640 0.207 0.122 31	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258 31 11-17-26 765 0.294 0.171 36	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398 0.231 41
Slot Width 2.0" Slot	1-Slot 8" Inlet 1-Slot 12" Inlet	5 ft.	NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw Throw CFM / ft Total Pressure Ps NC Throw	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5           140           0.010           0.006           <10           1-3-7	$\begin{array}{r} 3-5-10\\ 240\\ 0.045\\ 0.017\\ 12\\ 4-6-12\\ 260\\ 0.047\\ 0.013\\ 13\\ 3-6-12\\ 150\\ 0.031\\ 0.026\\ <10\\ 4-5-11\\ 265\\ 0.035\\ 0.021\\ 10\\ 4-7-13\\ \end{array}$	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076 0.044 19 7-10-20	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.132 0.112 18 7-11-21 515 0.132 0.077 25 9-13-26	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.210 0.178 26 9-14-24 640 0.207 0.122 31 11-16-30	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258 31 11-17-26 765 0.294 0.171 36 13-19-33	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398 0.231 41 15-22-36
Slot Width 2.0" Slot		5 ft.	NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC Throw CFM / ft	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5           140           0.010           0.006           <10           1-3-7           150	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11 265 0.035 0.021 10 4-7-13 300	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076 0.044 19 7-10-20 450	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.132 0.112 18 7-11-21 515 0.132 0.077 25 9-13-26 600	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24 640 0.207 0.122 31 11-16-30 750	10-15-25 640 0.329 0.120 36 11-16-30 700 0.343 0.092 36 10-16-31 470 0.304 0.258 31 11-17-26 765 0.294 0.171 36 13-19-33 900	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398 0.231 41 15-22-36 1050
Slot Width 2.0" Slot		5 ft. 4 ft.	NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5           140           0.010           0.006           <10           1-3-7           150           0.009	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11 265 0.035 0.021 10 4-7-13 300 0.036	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076 0.044 19 7-10-20 450 0.080	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.132 0.132 0.132 0.132 0.132 0.132 0.077 25 9-13-26 600 0.143	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24 640 0.207 0.122 31 11-16-30 750 0.223	10-15-25           640           0.329           0.120           36           11-16-30           700           0.343           0.092           36           10-16-31           470           0.304           0.258           31           11-17-26           765           0.294           0.171           36           13-19-33           900           0.323	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398 0.231 41 15-22-36 1050 0.437
Slot Width 2.0" Slot		5 ft.	NC Throw CFM / ft Total Pressure Ps	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5           140           0.010           0.006           <10           1-3-7           150           0.009           0.004	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11 265 0.021 10 4-7-13 300 0.036 0.017	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076 0.044 19 7-10-20 450 0.080 0.038	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.132 0.112 18 7-11-21 515 0.132 0.077 25 9-13-26 600 0.143 0.067	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24 640 0.207 0.122 31 11-16-30 750 0.223 0.105	10-15-25           640           0.329           0.120           36           11-16-30           700           0.343           0.092           36           10-16-31           470           0.304           0.258           31           11-17-26           765           0.294           0.171           36           13-19-33           900           0.323           0.151	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398 0.231 41 15-22-36 1050 0.437 0.204
Slot Width 2.0" Slot		5 ft. 4 ft.	NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure	1-2-5           140           0.016           0.005           <10           1-3-7           150           0.015           0.003           <10           1-3-7           70           0.007           0.006           <10           1-2-5           140           0.010           0.006           <10           1-3-7           150           0.009	3-5-10 240 0.045 0.017 12 4-6-12 260 0.047 0.013 13 3-6-12 150 0.031 0.026 <10 4-5-11 265 0.035 0.021 10 4-7-13 300 0.036	5-7-15 340 0.093 0.034 21 6-9-17 370 0.096 0.026 21 6-8-17 230 0.075 0.064 11 5-8-16 390 0.076 0.044 19 7-10-20 450 0.080	7-10-20 440 0.156 0.057 27 7-11-22 480 0.161 0.043 27 7-11-22 310 0.132 0.132 0.132 0.132 0.132 0.132 0.132 0.077 25 9-13-26 600 0.143	8-12-23 540 0.235 0.085 32 9-14-27 590 0.243 0.065 32 9-13-27 390 0.210 0.178 26 9-14-24 640 0.207 0.122 31 11-16-30 750 0.223	10-15-25           640           0.329           0.120           36           11-16-30           700           0.343           0.092           36           10-16-31           470           0.304           0.258           31           11-17-26           765           0.294           0.171           36           13-19-33           900           0.323	12-17-27 740 0.440 0.160 40 12-19-33 810 0.459 0.123 40 12-18-34 550 0.417 0.353 36 13-20-28 890 0.398 0.231 41 15-22-36 1050 0.437





# ENGINEERING

### Linear Jet-Flow Diffusers Plenum with jet-flow baffles - ALF18 Series

			CFM / ft	70	160	250	340	430	520	610	
			Total Pressure	0.007	0.032	0.079	0.147	0.235	0.343	0.472	
		2 ft.	Ps	0.006	0.031	0.073	0.135	0.216	0.316	0.435	
			NC	<10	<10	<10	17	25	31	36	
	-		Throw	1-2-5	4-6-11	6-9-18	8-12-22	10-15-25	12-18-27	14-21-30	
	nlei		CFM / ft	140	290	440	590	740	890	1040	
2.0"	<u>.</u>		Total Pressure	0.008	0.033	0.075	0.136	0.215	0.311	0.425	
Slot		4 ft.	Ps	0.006	0.025	0.057	0.100	0.160	0.231	0.316	
Width			NC	<10	<10	17	24	30	37	41	
			Throw	1-3-7	5-7-15	7-11-22	10-15-29	13-19-33	15-22-36	17-26-39	
			CFM / ft	150	330	510	690	870	1050	1230	
		5 ft.	Total Pressure	0.006	0.031	0.075	0.137	0.218	0.320	0.436	
			Ps	0.004	0.020	0.049	0.089	0.141	0.208	0.283	
			NC	<10	<10	19	26	32	38	43	
			Throw	1-3-7	5-7-15	8-11-23	10-16-31	13-20-36	16-24-39	18-28-42	
			CFM / ft	80	190	300	410	520	630	740	
		2 ft.		Total Pressure	0.005	0.031	0.077	0.143	0.231	0.339	0.465
			Ps	0.005	0.027	0.068	0.126	0.203	0.300	0.412	
			NC	<10	<10	<10	12	20	27	33	
	5		Throw	1-2-5	4-6-12	6-9-19	9-13-24	11-16-27	13-20-30	15-23-33	
	풀	4 ft.	CFM / ft	150	335	520	705	890	1075	1260	
2.5"	ŝ		Total Pressure	0.007	0.032	0.078	0.146	0.228	0.334	0.459	
Slot	Ē		Ps	0.004	0.021	0.051	0.095	0.149	0.217	0.298	
Width	1-Slot 12" Inlet		NC	<10	<10	<10	18	26	32	38	
	÷		Throw	1-2-7	5-7-15	8-11-23	10-16-31	13-20-36	16-24-40	18-28-43	
				CFM / ft	160	370	580	790	1000	1210	1420
		-	Total Pressure	0.006	0.032	0.075	0.138	0.222	0.324	0.447	
		5 ft.	Ps	0.003	0.018	0.040	0.075	0.120	0.176	0.243	
			NC	<10	<10	<10	18	26	32	38	
			Throw	1-3-6	5-7-15	8-11-23	10-16-31	13-20-38	16-24-42	19-28-45	
			CFM / ft	100	225	350	475	600	725	850	
		0.0	Total Pressure	0.005	0.031	0.076	0.140	0.224	0.327	0.449	
		2 ft.	Ps	0.004	0.025	0.064	0.117	0.187	0.274	0.376	
			NC	<10 1-2-6	<10 4-6-12	<10	<10 9-13-26	15 11-17-30	24	31	
	et	<u> </u>	Throw	200		6-10-19	9-13-26 800		13-20-32	16-24-35	
3.0"	-		CFM / ft Total Pressure	0.009	400 0.037	600 0.082	0.147	1000 0.231	1200 0.333	1400 0.454	
Slot	12"	4 ft.	Ps	0.009	0.037	0.082	0.147	0.231	0.333	0.454	
Width	I-Slot 12" Inlet	4 11.	NC PS	<10	<10	<10	<10	17	25	32	
width	-S		Throw	1-3-8	5-8-16	8-12-24	10-16-31	13-20-38	16-24-42	32 18-27-45	
	-		CFM / ft	240	460	680	900	1120	1340	1560	
			Total Pressure	0.011	0.039	0.085	0.149	0.231	0.333	0.449	
		5 ft.	Ps	0.005	0.039	0.039	0.149	0.231	0.333	0.449	
		<i>о</i> п.	NC	<10	<10	<10	<10	15	24	30	
			Throw	1-3-8	5-8-16	8-12-24	11-16-32	13-20-39	16-23-44	18-27-49	
			THIOW	1-0-0	0-0-10	0-12-24	11-10-32	13-20-39	10-23-44	10-27-49	

Rev. 0

SYMBOLS Ps Static Pressure in inches of water Throw Vertical distances in feet to a terminal velocity of 150, 100 and 50 FPM

NC Noise Criteria based on 10 db room absorption

LENGTH MULTIPLIERS AND ADJUSTMENTS

Above data obtained with 4 foot long sections. For lengths other than 4', use the multipliers and adjustments in adjacent table.

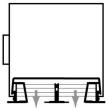
Data based on test results according to ANSI/ASHRAE 70-2006.



### Linear Jet-Flow Diffusers

Plenum with jet-flow baffles - ALF28 Series

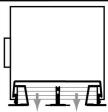
			CFM / ft	80	155	230	305	380	455	530
			Total Pressure	0.009	0.038	0.083	0.147	0.228	0.326	0.443
		2 ft.	Ps	0.005	0.026	0.056	0.099	0.154	0.020	0.299
		2 11.	NC	<10	<10	16	23	29	33	37
			Throw	2-3-7	4-7-13	6-10-18	8-13-21	10-16-23	13-18-26	15-20-28
	et									
4.01	Ē		CFM / ft	160	260	360	460	560	660	760
1.0"	ŵ	4 ft.	Total Pressure	0.020	0.053	0.103	0.165	0.244	0.339	0.450
Slot	2-Slot 8" Inlet		Ps	0.007	0.018	0.036	0.056	0.083	0.116	0.154
Width			NC	<10	<10	16	21	26	30	33
	'n		Throw	3-5-9	5-8-15	7-11-21	9-14-26	11-16-29	13-19-31	15-22-33
			CFM / ft	200	300	400	500	600	700	800
			Total Pressure	0.027	0.061	0.109	0.173	0.248	0.334	0.437
		5 ft.	Ps	0.007	0.015	0.027	0.043	0.061	0.083	0.109
			NC	<10	<10	13	19	24	27	30
			Throw	3-5-10	5-8-16	7-10-21	9-13-26	10-15-30	12-18-32	14-21-34
			CFM / ft	80	165	250	335	420	505	590
			Total Pressure	0.008	0.035	0.080	0.143	0.225	0.327	0.443
		2 ft.	Ps	0.007	0.029	0.066	0.119	0.188	0.271	0.396
		- Krist 20020	NC	<10	<10	17	25	30	35	40
	<b>.</b>		Throw	2-3-7	5-7-14	7-10-19	9-14-22	12-17-25	14-19-27	16-21-29
	nle		CFM / ft	160	300	440	580	720	860	1000
1.0"	1-Slot 12" Inlet		Total Pressure	0.012	0.043	0.092	0.160	0.247	0.352	0.478
Slot	12	4 ft.	Ps	0.007	0.024	0.051	0.089	0.138	0.197	0.265
Width	t		NC	<10	<10	19	26	31	35	39
width	-Si		Throw	3-5-9	6-9-18	9-13-25	11-17-29	14-21-32	17-24-35	19-27-38
	-		CFM / ft	200	350	500	650	800	950	1100
			Total Pressure	0.015	0.047	0.095	0.161	0.245	0.343	0.460
		5 ft.	Ps	0.007	0.047	0.033	0.072	0.243	0.154	0.206
		0 11.	NC	<10	<10	18	24	30	34	37
			Throw	3-5-10	6-9-18	9-13-26	11-17-31	14-21-34	17-25-37	19-28-40
			CFM / ft	80	170	260	350	440	530	620
			Total Pressure	0.007	0.034	0.081	0.143	0.226	0.327	0.448
		2 ft.	Ps	0.007	0.034	0.076	0.143	0.220	0.327	0.448
			NC NC							
			Throw	<10 2-3-7	<10 5-7-15	18 7-11-19	25 10-14-23	31 12-18-25	36 15-20-28	41 17-21-30
	let									
1.0"	2-Slot 12" Inlet		CFM / ft	160	320	480	640	800	960	1120
1.0"	12.		Total Pressure	0.010	0.040	0.085	0.150	0.235	0.338	0.461
Slot	Ŧ	4 ft.	Ps	0.008	0.027	0.061	0.109	0.170	0.245	0.334
Width	ŝ		NC	<10	10	20	27	33	37	42
	Ś		Throw	3-5-10	6-9-19	9-14-26	12-19-30	16-23-34	19-26-37	22-29-40
			CFM / ft	200	375	550	725	900	1075	1250
		<b>.</b>	Total Pressure	0.009	0.038	0.082	0.143	0.220	0.314	0.424
		5 ft.	Ps	0.006	0.024	0.051	0.089	0.138	0.197	0.266
			NC	<10	10	20	26	32	36	40
			Throw	3-5-10	7-9-20	10-14-28	13-19-32	16-24-36	19-28-40	22-30-43
			CFM / ft	120	210	300	390	480	570	660
			Total Pressure	0.015	0.047	0.097	0.161	0.243	0.343	0.460
		2 ft.	Ps	0.008	0.024	0.051	0.083	0.125	0.177	0.237
			NC	<10	<10	<10	17	25	31	37
	Ħ		Throw	2-4-7	4-6-13	6-9-19	8-12-24	10-15-26	12-17-29	13-20-31
	l II		CFM / ft	240	340	440	540	640	740	840
1.5"	\$		Total Pressure	0.037	0.075	0.126	0.191	0.266	0.355	0.458
Slot	Ŧ	4 ft.	Ps	0.008	0.016	0.026	0.040	0.057	0.074	0.096
Width	2-Slot 8" Inlet		NC	<10	<10	<10	<10	15	21	26
	'''		Throw	2-5-10	5-7-15	6-9-19	8-12-23	9-14-28	11-16-32	12-18-35
			CFM / ft	260	365	470	575	680	785	890
			Total Pressure	0.041	0.080	0.132	0.198	0.277	0.371	0.475
		5 ft.	Ps	0.006	0.012	0.019	0.029	0.040	0.055	0.070
			NC	<10	<10	<10	<10	11	17	21
			Throw	2-5-10	4-7-14	6-9-18	7-11-22	9-13-26	10-15-31	11-17-35
		•								





### Linear Jet-Flow Diffusers Plenum with jet-flow baffles - ALF28 Series

			CEM / #	120	230	340	450	560	670	780
			CFM / ft Total Pressure	0.012	0.040	0.087	0.153	0.236	0.338	0.459
		2 ft.	Ps	0.009	0.040	0.063	0.130	0.230	0.330	0.331
		2 11.	NC	<10	<10	10	20	29	36	42
1			Throw	2-4-7	4-7-13	7-10-21	9-14-26	11-17-29	14-20-31	16-24-34
	let		CFM / ft	240	390	540	690	840	990	1140
1.5"	2-Slot 10" Inlet	4 ft.	Total Pressure	0.020	0.053	0.103	0.165	0.244	0.339	0.449
Slot	10		Ps	0.020	0.033	0.042	0.065	0.096	0.133	0.177
Width	ы		NC	<10	<10	<10	16	24	30	35
widdi	-S		Throw	2-5-10	6-8-17	8-12-24	10-14-30	12-18-35	14-21-38	16-24-41
	2		CFM / ft	260	425	590	755	920	1085	1250
		5 ft.	Total Pressure	0.020	0.054	0.103	0.171	0.253	0.350	0.464
			Ps	0.006	0.016	0.030	0.052	0.076	0.102	0.136
		•	NC	<10	<10	<10	13	21	27	32
			Throw	2-5-10	5-8-16	8-11-23	10-14-29	12-18-35	14-21-39	16-24-43
			CFM / ft	120	240	360	480	600	720	840
			Total Pressure	0.009	0.037	0.084	0.149	0.232	0.332	0.455
		2 ft.	Ps	0.008	0.031	0.070	0.145	0.196	0.282	0.386
			NC	<10	<10	10	21	30	37	45
	-		Throw	2-4-7	5-7-15	7-11-22	10-15-26	12-18-30	15-22-32	17-25-36
	2-Slot 12" Inlet		CFM / ft	240	415	590	765	940	1115	1290
1.5"			Total Pressure	0.014	0.041	0.083	0.139	0.210	0.295	0.393
Slot	12	4 ft.	Ps	0.008	0.023	0.047	0.080	0.120	0.168	0.224
Width	ot		NC	<10	<10	<10	19	27	33	39
	S-S		Throw	2-5-10	6-9-18	8-13-25	11-16-33	13-20-37	16-24-40	18-28-43
			CFM / ft	260	440	620	800	980	1160	1340
			Total Pressure	0.013	0.036	0.072	0.120	0.183	0.253	0.338
		5 ft.	Ps	0.006	0.017	0.033	0.056	0.086	0.117	0.156
			NC	<10	<10	<10	15	22	28	34
			Throw	2-5-10	6-8-17	8-12-24	10-16-31	13-19-38	15-22-41	17-26-44
		1	CFM / ft	70	140	210	280	350	420	490
					140					
			Total Pressure	0.008	0.033	0.076	0.134	0.206	0.296	0.403
		2 ft.	Total Pressure Ps			0.076 0.036	0.134 0.057	0.206 0.085	0.296 0.120	0.403 0.160
		2 ft.	Total Pressure Ps NC	0.008 0.006 <10	0.033 0.017 12	0.076 0.036 20	0.134 0.057 27	0.206 0.085 32	0.296 0.120 36	0.403 0.160 40
	÷	2 ft.	Total Pressure Ps NC Throw	0.008 0.006 <10 1-3-7	0.033 0.017 12 4-6-12	0.076 0.036 20 5-9-17	0.134 0.057 27 7-11-22	0.206 0.085 32 9-14-27	0.296 0.120 36 11-16-30	0.403 0.160 40 12-19-33
	nlet	2 ft.	Total Pressure Ps NC Throw CFM / ft	0.008 0.006 <10 1-3-7 250	0.033 0.017 12 4-6-12 355	0.076 0.036 20 5-9-17 460	0.134 0.057 27 7-11-22 565	0.206 0.085 32 9-14-27 670	0.296 0.120 36 11-16-30 775	0.403 0.160 40 12-19-33 880
2.0"	3" Inlet	1000/00/203	Total Pressure Ps NC Throw CFM / ft Total Pressure	0.008 0.006 <10 1-3-7 250 0.037	0.033 0.017 12 4-6-12 355 0.076	0.076 0.036 20 5-9-17 460 0.124	0.134 0.057 27 7-11-22 565 0.187	0.206 0.085 32 9-14-27 670 0.263	0.296 0.120 36 11-16-30 775 0.352	0.403 0.160 40 12-19-33 880 0.453
Slot	ot 8" Inlet	2 ft. 4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps	0.008 0.006 <10 1-3-7 250 0.037 0.004	0.033 0.017 12 4-6-12 355 0.076 0.009	0.076 0.036 20 5-9-17 460 0.124 0.015	0.134 0.057 27 7-11-22 565 0.187 0.023	0.206 0.085 32 9-14-27 670 0.263 0.033	0.296 0.120 36 11-16-30 775 0.352 0.044	0.403 0.160 40 12-19-33 880 0.453 0.057
	-Slot 8" Inlet	1000/00/203	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10	0.033 0.017 12 4-6-12 355 0.076 0.009 17	0.076 0.036 20 5-9-17 460 0.124 0.015 23	0.134 0.057 27 7-11-22 565 0.187 0.023 28	0.206 0.085 32 9-14-27 670 0.263 0.033 32	0.296 0.120 36 11-16-30 775 0.352 0.044 35	0.403 0.160 40 12-19-33 880 0.453 0.057 38
Slot	2-Slot 8" Inlet	1000/00/203	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31
Slot	2-Slot 8" Inlet	1000/00/203	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940
Slot	2-Slot 8" Inlet	4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494
Slot	2-Slot 8" Inlet	1000/00/203	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041
Slot	2-Slot 8" Inlet	4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38
Slot	2-Slot 8" Inlet	4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10 1-3-9	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30
Slot	2-Slot 8" Inlet	4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10 1-3-9 140	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950
Slot	2-Slot 8" Inlet	4 ft. 5 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10 1-3-9 140 0.010	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453
Slot	2-Slot 8" Inlet	4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Throw CFM / ft Total Pressure Ps	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10 1-3-9 140 0.010 0.006	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263
Slot		4 ft. 5 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 2-3-10 280 0.042 0.003 10 1-3-9 140 0.010 0.006 <10	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43
Slot		4 ft. 5 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.042 0.003 10 1-3-9 140 0.010 0.006 <10 1-3-7	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37
Slot Width		4 ft. 5 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft	$\begin{array}{c} 0.008 \\ 0.006 \\ < 10 \\ 1-3.7 \\ 250 \\ 0.037 \\ 0.004 \\ < 10 \\ 2.3.10 \\ 280 \\ 0.042 \\ 0.003 \\ 10 \\ 1-3.9 \\ 140 \\ 0.010 \\ 0.006 \\ < 10 \\ 1-3.7 \\ 250 \end{array}$	0.033 0.017 12 4.6-12 355 0.076 0.009 17 3.6-13 390 0.085 0.007 18 3.6-12 275 0.038 0.022 10 5-7-14 425	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300
Slot Width		4 ft. 5 ft. 2 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure CFM / ft Throw CFM / ft Throw	$\begin{array}{c} 0.008 \\ 0.006 \\ < 10 \\ 1-3.7 \\ 250 \\ 0.037 \\ 0.004 \\ < 10 \\ 2.3-10 \\ 280 \\ 0.042 \\ 0.003 \\ 10 \\ 1-3.9 \\ 140 \\ 0.010 \\ 0.006 \\ < 10 \\ 1-3.7 \\ 250 \\ 0.018 \end{array}$	0.033 0.017 12 4.6-12 355 0.076 0.009 17 3.6-13 390 0.085 0.007 18 3.6-12 275 0.038 0.022 10 5-7-14 425 0.051	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478
Slot Width 2.0" Slot		4 ft. 5 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	$\begin{array}{c} 0.008 \\ 0.006 \\ < 10 \\ 1-3.7 \\ 250 \\ 0.037 \\ 0.004 \\ < 10 \\ 2.3-10 \\ 280 \\ 0.042 \\ 0.003 \\ 10 \\ 1-3.9 \\ 140 \\ 0.010 \\ 0.006 \\ < 10 \\ 1-3.7 \\ 250 \\ 0.018 \\ 0.005 \end{array}$	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14 425 0.051 0.013	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102 0.026	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170 0.044	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257 0.068	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358 0.092	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478 0.123
Slot Width		4 ft. 5 ft. 2 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure NC Throw CFM / ft Total Pressure Ps NC NC Throw CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10 1-3-9 140 0.010 0.006 <10 1-3-7 250 0.018 0.005 <10	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14 425 0.051 0.013 16	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102 0.026 24	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170 0.044 30	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257 0.068 34	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358 0.092 39	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478 0.123 42
Slot Width 2.0" Slot	2-Slot 10" Inlet 2-Slot 8" Inlet	4 ft. 5 ft. 2 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Total Pressure Ps NC Throw	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10 1-3-9 140 0.010 0.006 <10 1-3-7 250 0.018 0.005 <10 2-3-9	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14 425 0.051 0.013 16 4-8-15	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102 0.026 24 7-11-21	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170 0.044 30 9-14-28	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257 0.068 34 11-17-34	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358 0.092 39 13-20-40	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478 0.123 42 15-23-43
Slot Width 2.0" Slot		4 ft. 5 ft. 2 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure CFM / ft Total Pressure Ps NC CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Throw CFM / ft	0.008 0.006 <10 1-3-7 250 0.037 0.004 <10 2-3-10 280 0.042 0.003 10 1-3-9 140 0.010 0.006 <10 1-3-7 250 0.018 0.005 <10 2-3-9 280	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14 425 0.051 0.013 16 4-8-15 460	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102 0.026 24 7-11-21 640	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170 0.044 30 9-14-28 820	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257 0.068 34 11-17-34 1000	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358 0.092 39 13-20-40 1180	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478 0.123 42 15-23-43 1360
Slot Width 2.0" Slot		4 ft. 5 ft. 2 ft. 4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC Throw CFM / ft Total Pressure	0.008           0.006           <10           1-3-7           250           0.037           0.004           <10           2-3-10           280           0.042           0.003           10           1-3-9           140           0.010           0.006           <10           1-3-7           250           0.018           0.005           <10           2-3-9           280           0.020	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14 425 0.051 0.013 16 4-8-15 460 0.054	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102 0.26 24 7-11-21 640 0.105	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170 0.044 30 9-14-28 820 0.173	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257 0.068 34 11-17-34 1000 0.257	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358 0.092 39 13-20-40 1180 0.359	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478 0.123 42 15-23-43 1360 0.475
Slot Width 2.0" Slot		4 ft. 5 ft. 2 ft.	Total Pressure         Ps         NC         Throw         CFM / ft         Total Pressure         Ps	0.008           0.006           <10           1-3-7           250           0.037           0.004           <10           2-3-10           280           0.042           0.003           10           1-3-9           140           0.010           0.006           <10           1-3-7           250           0.018           0.005           <10           2-3-9           280           0.020           0.004	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14 425 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.054 0.054 0.010	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102 0.026 24 7-11-21 640 0.105 0.019	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170 0.044 30 9-14-28 820 0.173 0.031	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257 0.068 34 11-17-34 1000 0.257 0.047	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358 0.092 39 13-20-40 1180 0.359 0.065	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478 0.123 42 15-23-43 1360 0.475 0.085
Slot Width 2.0" Slot		4 ft. 5 ft. 2 ft. 4 ft.	Total Pressure Ps NC Throw CFM / ft Total Pressure Ps NC	0.008           0.006           <10           1-3-7           250           0.037           0.004           <10           2-3-10           280           0.042           0.003           10           1-3-9           140           0.010           0.006           <10           1-3-7           250           0.018           0.005           <10           2-3-9           280           0.020	0.033 0.017 12 4-6-12 355 0.076 0.009 17 3-6-13 390 0.085 0.007 18 3-6-12 275 0.038 0.022 10 5-7-14 425 0.051 0.013 16 4-8-15 460 0.054	0.076 0.036 20 5-9-17 460 0.124 0.015 23 5-8-16 500 0.140 0.012 24 4-8-16 410 0.086 0.051 19 7-11-21 600 0.102 0.26 24 7-11-21 640 0.105	0.134 0.057 27 7-11-22 565 0.187 0.023 28 7-10-20 610 0.208 0.017 28 6-10-19 545 0.149 0.087 27 9-14-26 775 0.170 0.044 30 9-14-28 820 0.173	0.206 0.085 32 9-14-27 670 0.263 0.033 32 8-12-24 720 0.290 0.024 32 8-11-23 680 0.232 0.135 32 11-17-31 950 0.257 0.068 34 11-17-34 1000 0.257	0.296 0.120 36 11-16-30 775 0.352 0.044 35 9-14-28 830 0.385 0.032 36 9-13-26 815 0.333 0.194 38 14-20-34 1125 0.358 0.092 39 13-20-40 1180 0.359	0.403 0.160 40 12-19-33 880 0.453 0.057 38 10-16-31 940 0.494 0.041 38 10-15-30 950 0.453 0.263 43 16-24-37 1300 0.478 0.123 42 15-23-43 1360 0.475





### Linear Jet-Flow Diffusers

Plenum with jet-flow baffles - ALF28 Series

			CFM / ft	140	280	420	560	700	840	980
			Total Pressure	0.011	0.031	0.069	0.130	0.193	0.277	0.378
		2 ft.	Ps	0.007	0.023	0.052	0.092	0.143	0.206	0.280
			NC	<10	<10	16	24	29	35	40
	÷		Throw	1-3-7	4-7-14	7-11-20	9-14-28	12-18-32	14-21-35	16-25-38
	nle		CFM / ft	250	450	650	850	1050	1250	1450
2.0"	2-Slot 12" Inlet	4 ft.	Total Pressure	0.080	0.035	0.076	0.132	0.192	0.272	0.390
Slot			Ps	0.005	0.015	0.031	0.051	0.080	0.114	0.153
Width			NC	<10	13	22	28	33	37	42
			Throw	2-3-9	5-8-16	8-12-23	10-15-30	13-18-37	15-22-43	17-26-46
			CFM / ft	280	480	680	880	1080	1280	1480
			Total Pressure	0.012	0.034	0.070	0.115	0.173	0.244	0.324
		5 ft.	Ps	0.004	0.011	0.022	0.036	0.054	0.078	0.102
			NC	<10	13	21	27	32	36	40
			Throw	1-3-9	4-8-15	7-11-22	9-14-28	11-17-34	14-20-41	16-24-46
			CFM / ft	150	335	520	705	890	1075	1260
			Total Pressure	0.010	0.032	0.078	0.150	0.229	0.334	0.479
		2 ft.	Ps	0.004	0.021	0.051	0.093	0.149	0.218	0.299
			NC	<10	<10	<10	18	26	33	39
	at a		Throw	1-2-7	5-7-15	8-11-23	10-16-31	13-20-35	16-24-40	18-27-43
		4 ft. 5 ft.	CFM / ft	300	540	780	1020	1260	1500	1740
2.5"	2"		Total Pressure	0.010	0.043	0.090	0.162	0.235	0.334	0.449
Slot	t 1		Ps	0.004	0.014	0.029	0.050	0.075	0.106	0.142
Width	2-Slot 12" Inlet		NC	<10	<10	<10	18	25	31	36
	2-		Throw	1-3-9	5-8-17	8-12-24	11-16-32	13-20-39	16-23-47	18-27-50
			CFM / ft	350	600	850	1100	1350	1600	1850
			Total Pressure	0.020	0.049	0.095	0.170	0.239	0.336	0.480
			Ps	0.004	0.012	0.022	0.036	0.055	0.077	0.103
			NC	<10	<10	<10	16	24	30	35
			Throw	1-4-10	4-8-17	8-12-24	10-15-31	13-19-38	15-22-45	17-26-51
			CFM / ft	175	385	595	805	1015	1225	1435
			Total Pressure	0.009	0.034	0.082	0.160	0.238	0.347	0.477
		2 ft.	Ps	0.003	0.019	0.046	0.084	0.134	0.195	0.268
			NC	<10	<10	<10	<12	18	26	33
	let		Throw	1-4-7	5-8-15	8-13-23	11-17-32	13-20-38	16-24-42	19-28-46
2 0"	2-Slot 12" Inlet		CFM / ft	320	580	840	1100	1360	1620	1880
3.0" Slot	12"	4 ft.	Total Pressure	0.080	0.050	0.102 0.023	0.170 0.041	0.270	0.330	0.510 0.115
Width	t	411.	Ps NC	<10	<10	<10	<10	16		
wiuui	-SI		Throw	1-4-9	4-9-16	8-13-23	10-17-30	12-21-38	24 15-25-45	31 17-29-52
	5	-	CFM / ft	380	645	<u> </u>	1175	1440	15-25-45	17-29-52
			Total Pressure	0.020	0.051	0.101	0.180	0.253	0.357	0.510
		5 ft.	Ps	0.020	0.001	0.017	0.180	0.253	0.357	0.510
		9 IL	NC PS	<10	<10	<10	<10	<10	13	26
				1-4-9	3-8-16	7-11-23	10-16-29	12-18-36	14-21-42	20 16-27-48
			Throw	1-4-9	3-0-10	1-11-23	10-10-29	12-10-30	14-21-42	10-27-48

SYMBOLS

S Static Pressure in inches of water
 Throw Vertical distances in feet to a terminal velocity of 150, 100 and 50 FPM

NC Noise Criteria based on 10 db room absorption

LENGTH MULTIPLIERS AND ADJUSTMENTS

Above data obtained with 4 foot long sections. For lengths other than 4', use the multipliers and adjustments in adjacent table.

Data based on test results according to ANSI/ASHRAE 70-2006.

