

PERFORMANCE DATA

FL-10 / FL-15 / FL-20 / FL-25 / FL-30 WITH CONTINUOUS SLOT  
PLENUM & HIGHTHROW PATTERN CONTROLLER

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Slot Width	Configuration	Performance Metrics							
		Airflow, cfm/ft.	Static Pressure	NC (Noise Criteria)	Throw	Airflow, cfm/ft.	Static Pressure	NC (Noise Criteria)	Throw
1.0" Slot	1-Slot	Airflow, cfm/ft.	25	40	55	70	85	100	115
		Static Pressure	0.028	0.072	0.136	0.221	0.325	0.450	0.596
		NC (Noise Criteria)	<10	16	26	33	39	44	49
		Throw	5-8-14	9-13-18	12-15-21	14-17-24	15-19-27	17-20-29	18-22-31
	2-Slot	Airflow, cfm/ft.	50	75	100	125	150	175	200
		Static Pressure	0.028	0.063	0.113	0.176	0.253	0.345	0.450
		NC (Noise Criteria)	<10	17	26	33	39	44	48
		Throw	7-11-20	11-17-25	15-20-29	19-23-32	20-25-35	22-27-38	23-29-41
1.5" Slot	1-Slot	Airflow, cfm/ft.	30	45	60	75	90	105	120
		Static Pressure	0.032	0.073	0.130	0.203	0.292	0.398	0.520
		NC (Noise Criteria)	<10	14	24	31	37	42	48
		Throw	6-10-16	10-14-19	13-16-22	14-18-25	16-19-27	17-21-29	18-22-32
	2-Slot	Airflow, cfm/ft.	60	85	110	135	160	185	210
		Static Pressure	0.032	0.065	0.109	0.164	0.231	0.309	0.398
		NC (Noise Criteria)	<10	16	24	31	36	41	45
		Throw	9-14-22	13-19-27	17-21-30	19-24-33	21-26-36	23-28-39	24-29-42
2.0" Slot	1-Slot	Airflow, cfm/ft.	30	50	70	90	110	130	150
		Static Pressure	0.020	0.057	0.111	0.184	0.274	0.383	0.510
		NC (Noise Criteria)	<10	11	22	30	36	41	46
		Throw	5-9-16	9-14-20	13-17-24	16-19-27	17-21-30	19-23-33	20-25-35
	2-Slot	Airflow, cfm/ft.	60	95	130	165	200	235	270
		Static Pressure	0.020	0.051	0.096	0.154	0.227	0.313	0.413
		NC (Noise Criteria)	<10	12	22	30	36	41	46
		Throw	7-12-22	13-19-28	17-23-33	21-26-37	23-29-41	25-31-44	27-33-47
2.5" Slot	1-Slot	Airflow, cfm/ft.	30	55	80	105	130	155	180
		Static Pressure	0.012	0.041	0.088	0.151	0.232	0.329	0.444
		NC (Noise Criteria)	<10	11	23	31	38	43	48
		Throw	4-8-16	10-15-21	14-18-26	17-21-29	19-23-33	21-25-36	22-27-39
	2-Slot	Airflow, cfm/ft.	60	105	150	195	240	285	330
		Static Pressure	0.012	0.038	0.077	0.130	0.197	0.278	0.373
		NC (Noise Criteria)	<10	13	24	32	38	44	48
		Throw	6-11-22	13-20-29	19-25-35	23-28-40	26-32-45	28-34-49	30-37-52
3.0" Slot	1-Slot	Airflow, cfm/ft.	30	60	90	120	150	180	210
		Static Pressure	0.011	0.044	0.100	0.177	0.277	0.399	0.543
		NC (Noise Criteria)	<10	<10	18	27	34	40	45
		Throw	3-7-15	10-15-22	15-19-27	18-22-32	20-25-35	22-27-39	24-29-42
	2-Slot	Airflow, cfm/ft.	60	120	180	240	300	360	420
		Static Pressure	0.011	0.044	0.100	0.177	0.277	0.399	0.543
		NC (Noise Criteria)	<10	<10	21	30	37	43	48
		Throw	5-10-21	14-21-32	21-27-39	26-32-45	29-35-50	32-39-55	34-42-59

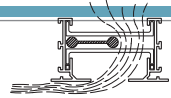
- All pressures are in inches of water
- Pressure loss data assumes a duct velocity less than 800 fpm in the inlet duct
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Throw data based on active sections 4 feet long. For a 2-foot section, the throw values are 0.72 times those shown. For a 10-foot continuous length, the throw values are 1.7 times those shown, 1.8 for 12-foot units.
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10<sup>-12</sup> watts, for a 4-foot section. (See Table A for other lengths). For supply units used as a return, add 3 NC.
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- The tests were conducted with no plenum effect for pressure or sound
- Throw values for HighThrow units are based on a one-way discharge from the slot
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet

Table A, NC Correction for length

Length, Feet	2	4	6	8	10
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

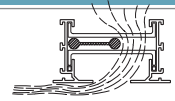
Table B, Throw Correction Multiplier for length

Length, Feet	2	4	8	10	12
Throw Correction	0.72	1.0	1.5	1.7	1.8



FL-10 / FL-15 / FT-10 / FT-15 - 1-SLOT, HIGHTHROW WITH TITUS PLENUM

1.0" Slot Width	1-Slot 6" Inlet	2 ft.	Airflow, cfm	25	50	75	100	125	150	175
			Total Pressure	0.008	0.032	0.072	0.129	0.201	0.290	0.394
			Static Pressure	0.007	0.028	0.063	0.113	0.176	0.253	0.345
			NC (Noise Criteria)	<10	<10	<10	20	28	35	40
			Throw	1-2-6	3-6-10	6-9-12	8-10-14	9-11-16	10-12-18	11-13-19
		4 ft.	Airflow, cfm	40	80	120	160	200	240	280
			Total Pressure	0.007	0.028	0.064	0.114	0.177	0.255	0.348
			Static Pressure	0.005	0.018	0.041	0.072	0.113	0.162	0.221
			NC (Noise Criteria)	<10	<10	<10	16	24	31	37
			Throw	1-2-6	3-6-13	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24
		5 ft.	Airflow, cfm	50	100	150	200	250	300	350
			Total Pressure	0.009	0.034	0.077	0.137	0.214	0.308	0.419
Static Pressure	0.005		0.018	0.041	0.072	0.113	0.162	0.221		
NC (Noise Criteria)	<10		<10	<10	18	26	33	38		
Throw	1-2-7		3-7-14	7-11-18	10-14-20	12-16-23	14-18-25	16-19-27		
1.0" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	50	75	100	125	150	175	200
			Total Pressure	0.029	0.066	0.118	0.184	0.265	0.361	0.471
			Static Pressure	0.028	0.063	0.113	0.176	0.253	0.345	0.450
			NC (Noise Criteria)	<10	<10	19	27	34	40	44
			Throw	3-6-10	6-9-12	8-10-14	9-11-16	10-12-18	11-13-19	12-14-20
		4 ft.	Airflow, cfm	70	110	150	190	230	270	310
			Total Pressure	0.016	0.040	0.075	0.120	0.176	0.243	0.320
			Static Pressure	0.014	0.034	0.063	0.102	0.149	0.205	0.271
			NC (Noise Criteria)	<10	<10	13	22	29	35	40
			Throw	2-5-11	6-9-15	8-12-18	10-14-20	12-15-22	14-17-24	15-18-25
		5 ft.	Airflow, cfm	80	130	180	230	280	330	380
			Total Pressure	0.015	0.039	0.075	0.122	0.181	0.252	0.334
Static Pressure	0.012		0.030	0.058	0.095	0.141	0.196	0.260		
NC (Noise Criteria)	<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		
1.5" Slot Width	1-Slot 6" Inlet	2 ft.	Airflow, cfm	40	70	100	130	160	190	220
			Total Pressure	0.017	0.052	0.106	0.180	0.272	0.384	0.515
			Static Pressure	0.014	0.044	0.090	0.152	0.231	0.326	0.437
			NC (Noise Criteria)	<10	<10	16	25	33	40	46
			Throw	2-5-9	5-8-12	8-10-14	9-12-16	11-13-18	11-14-20	12-15-21
		4 ft.	Airflow, cfm	80	120	160	200	240	280	320
			Total Pressure	0.025	0.056	0.099	0.155	0.223	0.304	0.397
			Static Pressure	0.014	0.032	0.058	0.090	0.130	0.177	0.231
			NC (Noise Criteria)	<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
		5 ft.	Airflow, cfm	90	140	190	240	290	340	390
			Total Pressure	0.025	0.060	0.111	0.176	0.258	0.354	0.466
Static Pressure	0.012		0.028	0.052	0.083	0.121	0.167	0.220		
NC (Noise Criteria)	<10		<10	12	20	27	33	39		
Throw	3-6-13		6-10-17	9-14-20	11-16-22	14-17-24	15-19-27	16-20-28		
1.5" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	40	70	100	130	160	190	220
			Total Pressure	0.015	0.047	0.095	0.161	0.244	0.344	0.461
			Static Pressure	0.014	0.044	0.090	0.152	0.231	0.326	0.437
			NC (Noise Criteria)	<10	<10	14	24	32	38	45
			Throw	2-5-9	5-8-12	8-10-14	9-12-16	11-13-18	11-14-20	12-15-21
		4 ft.	Airflow, cfm	80	130	180	230	280	330	380
			Total Pressure	0.018	0.047	0.090	0.146	0.217	0.301	0.400
			Static Pressure	0.014	0.038	0.073	0.119	0.177	0.246	0.326
			NC (Noise Criteria)	<10	<10	15	24	32	38	43
			Throw	3-6-13	7-10-16	10-14-19	12-15-22	14-17-24	15-18-26	16-20-28
		5 ft.	Airflow, cfm	90	150	210	270	330	390	450
			Total Pressure	0.016	0.044	0.086	0.143	0.213	0.298	0.396
Static Pressure	0.012		0.032	0.064	0.105	0.157	0.220	0.292		
NC (Noise Criteria)	<10		<10	14	24	31	37	43		
Throw	3-6-13		7-11-18	10-15-21	13-17-24	15-18-26	16-20-28	18-22-31		



FL-20 / FL-25 / FT-20 - 1-SLOT, HIGHTHROW WITH TITUS PLENUM

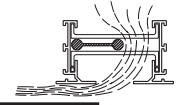
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2.0" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	50	85	120	155	190	225	260
			Total Pressure	0.015	0.045	0.089	0.149	0.223	0.313	0.418
			Static Pressure	0.014	0.041	0.082	0.136	0.205	0.287	0.383
			NC (Noise Criteria)	<10	<10	12	21	28	35	40
		Throw	2-5-10	6-9-13	8-11-16	10-13-18	11-14-20	12-15-22	13-16-23	
		4 ft.	Airflow, CFM	90	150	210	270	330	390	450
			Total Pressure	0.016	0.043	0.085	0.141	0.210	0.294	0.391
			Static Pressure	0.011	0.032	0.063	0.103	0.154	0.216	0.287
			NC (Noise Criteria)	<10	<10	20	29	36	42	48
		Throw	3-6-13	7-11-18	10-15-21	13-17-24	15-18-26	16-20-28	18-22-31	
		5 ft.	Airflow, cfm	100	165	230	295	360	425	490
			Total Pressure	0.014	0.039	0.075	0.124	0.184	0.256	0.341
	Static Pressure		0.009	0.025	0.048	0.079	0.118	0.164	0.218	
	NC (Noise Criteria)		<10	<10	19	28	36	42	47	
	Throw	2-5-13	6-10-18	10-15-22	13-17-25	15-19-27	17-21-30	18-23-32		
2.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	50	90	130	170	210	250	290
			Total Pressure	0.014	0.047	0.098	0.167	0.254	0.361	0.485
			Static Pressure	0.014	0.046	0.096	0.164	0.250	0.354	0.477
			NC (Noise Criteria)	<10	<10	<10	13	20	27	32
		Throw	2-5-10	6-9-14	9-12-16	11-13-19	12-15-21	13-16-23	14-17-24	
		4 ft.	Airflow, cfm	90	165	240	315	390	465	540
			Total Pressure	0.012	0.041	0.087	0.151	0.231	0.328	0.443
			Static Pressure	0.011	0.039	0.082	0.141	0.216	0.306	0.413
			NC (Noise Criteria)	<10	<10	13	23	31	37	43
		Throw	3-6-13	8-12-18	11-16-22	15-18-26	16-20-28	18-22-31	19-24-33	
		5 ft.	Airflow, cfm	100	190	280	370	460	550	640
			Total Pressure	0.010	0.036	0.079	0.138	0.213	0.305	0.413
	Static Pressure		0.009	0.033	0.071	0.124	0.192	0.274	0.372	
	NC (Noise Criteria)		<10	<10	15	25	33	39	45	
	Throw	2-5-13	8-12-20	12-17-24	16-20-28	18-22-31	19-24-34	21-26-36		
2.5" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	100	145	190	235	280	325	370
			Total Pressure	0.036	0.076	0.131	0.201	0.285	0.384	0.498
			Static Pressure	0.034	0.072	0.124	0.189	0.269	0.362	0.469
			NC (Noise Criteria)	<10	<10	17	26	33	39	44
		Throw	6-10-14	9-12-17	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28	
		4 ft.	Airflow, cfm	140	220	300	380	460	540	620
			Total Pressure	0.021	0.052	0.096	0.154	0.226	0.311	0.410
			Static Pressure	0.017	0.041	0.077	0.124	0.181	0.250	0.329
			NC (Noise Criteria)	<10	<10	20	29	37	44	49
		Throw	5-9-17	10-15-21	14-18-25	16-20-28	18-22-31	19-24-33	21-25-36	
		5 ft.	Airflow, cfm	150	240	330	420	510	600	690
			Total Pressure	0.017	0.044	0.083	0.134	0.197	0.273	0.361
	Static Pressure		0.012	0.032	0.060	0.097	0.143	0.197	0.261	
	NC (Noise Criteria)		<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		
2.5" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	100	145	190	235	280	325	370
			Total Pressure	0.035	0.074	0.127	0.195	0.277	0.373	0.483
			Static Pressure	0.034	0.072	0.124	0.189	0.269	0.362	0.469
			NC (Noise Criteria)	<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	
		4 ft.	Airflow, cfm	140	225	310	395	480	565	650
			Total Pressure	0.019	0.049	0.092	0.149	0.221	0.306	0.405
			Static Pressure	0.017	0.043	0.082	0.134	0.197	0.273	0.362
			NC (Noise Criteria)	<10	<10	16	26	34	41	46
		Throw	5-9-17	10-15-22	14-18-25	17-20-29	18-22-32	20-24-34	21-26-37	
		5 ft.	Airflow, cfm	150	250	350	450	550	650	750
			Total Pressure	0.015	0.041	0.080	0.132	0.196	0.274	0.365
	Static Pressure		0.012	0.034	0.067	0.111	0.166	0.232	0.308	
	NC (Noise Criteria)		<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		

Performance notes appear at end of table



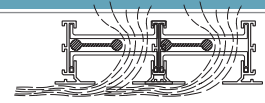
FL-30 - 1-SLOT, HIGHTHROW WITH TITUS PLENUM



3.0" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	125	170	215	260	305	350	395
			Total Pressure	0.051	0.095	0.152	0.222	0.306	0.403	0.513
			Static Pressure	0.048	0.089	0.142	0.208	0.286	0.377	0.480
			NC (Noise Criteria)	<10	<10	15	23	30	36	41
			Throw	7-11-16	10-13-19	12-15-21	13-16-23	15-18-25	16-19-27	17-20-29
		4 ft.	Airflow, cfm	200	275	350	425	500	575	650
			Total Pressure	0.039	0.074	0.120	0.177	0.245	0.324	0.414
			Static Pressure	0.031	0.058	0.094	0.139	0.192	0.254	0.325
			NC (Noise Criteria)	<10	<10	17	25	32	39	44
			Throw	8-13-20	12-17-24	15-19-27	17-21-30	19-23-32	20-24-34	21-26-37
		5 ft.	Airflow, cfm	220	310	400	490	580	670	760
			Total Pressure	0.034	0.068	0.112	0.169	0.236	0.315	0.406
			Static Pressure	0.024	0.047	0.079	0.118	0.166	0.221	0.284
			NC (Noise Criteria)	<10	<10	17	25	33	40	46
			Throw	8-12-21	12-17-25	15-20-29	18-23-32	20-24-35	21-26-37	23-28-40
3.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	125	170	215	260	305	350	395
			Total Pressure	0.050	0.092	0.147	0.215	0.296	0.389	0.496
			Static Pressure	0.048	0.089	0.142	0.208	0.286	0.377	0.480
			NC (Noise Criteria)	<10	<10	11	19	26	32	37
			Throw	7-11-16	10-13-19	12-15-21	13-16-23	15-18-25	16-19-27	17-20-29
		4 ft.	Airflow, cfm	200	290	380	470	560	650	740
			Total Pressure	0.035	0.073	0.126	0.192	0.273	0.368	0.477
			Static Pressure	0.031	0.065	0.111	0.170	0.241	0.325	0.421
			NC (Noise Criteria)	<10	<10	16	26	33	40	45
			Throw	8-13-20	12-17-24	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39
		5 ft.	Airflow, cfm	220	330	440	550	660	770	880
			Total Pressure	0.029	0.065	0.115	0.180	0.259	0.352	0.460
			Static Pressure	0.024	0.054	0.095	0.149	0.215	0.292	0.381
			NC (Noise Criteria)	<10	<10	17	26	34	41	47
			Throw	8-12-21	12-18-26	16-21-30	19-24-34	21-26-37	23-28-40	25-30-43

- All pressures are in inches of water
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10<sup>-12</sup> watts
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Conducted tests with FlowBar and plenums as a composite assembly
- Plenums not provided by Titus may demonstrate performance variations from data published by Titus. If a factory-engineered plenum is not provided, Titus does not guarantee performance.
- Throw values for HighThrow units are based on a one-way discharge from the slot
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet

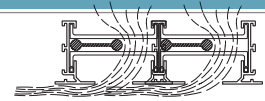
FL-10 / FL-15 / FT-10 / FT-15 - 2-SLOT, HIGHTHROW WITH TITUS PLENUM



1.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, CFM	80	120	160	200	240	280	320
			Total Pressure	0.021	0.048	0.085	0.133	0.192	0.261	0.341
			Static Pressure	0.018	0.041	0.072	0.113	0.162	0.221	0.288
			NC (Noise Criteria)	<10	<10	15	24	30	36	41
		Throw	3-6-13	6-10-16	9-13-18	11-14-20	13-16-22	14-17-24	15-18-26	
		4 ft.	Airflow, CFM	160	230	300	370	440	510	580
			Total Pressure	0.031	0.064	0.109	0.167	0.235	0.316	0.409
			Static Pressure	0.018	0.037	0.063	0.096	0.136	0.183	0.237
			NC (Noise Criteria)	<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	
		5 ft.	Airflow, CFM	200	280	360	440	520	600	680
			Total Pressure	0.039	0.075	0.125	0.186	0.260	0.347	0.445
Static Pressure	0.018		0.035	0.058	0.087	0.122	0.162	0.208		
NC (Noise Criteria)	<10		<10	18	25	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			
1.0" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, CFM	80	130	180	230	280	330	380
			Total Pressure	0.019	0.051	0.098	0.160	0.237	0.329	0.437
			Static Pressure	0.018	0.048	0.091	0.149	0.221	0.307	0.407
			NC (Noise Criteria)	<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	
		4 ft.	Airflow, CFM	160	240	320	400	480	560	640
			Total Pressure	0.023	0.053	0.094	0.146	0.211	0.287	0.374
			Static Pressure	0.018	0.041	0.072	0.113	0.162	0.221	0.288
			NC (Noise Criteria)	<10	<10	19	27	34	40	45
		Throw	4-9-18	9-14-22	12-18-26	15-20-29	18-22-32	20-24-34	21-26-36	
		5 ft.	Airflow, CFM	200	295	390	485	580	675	770
			Total Pressure	0.026	0.057	0.100	0.155	0.222	0.301	0.392
Static Pressure	0.018		0.039	0.069	0.106	0.152	0.205	0.267		
NC (Noise Criteria)	<10		<10	20	28	34	40	45		
Throw	5-10-20	10-15-25	13-20-28	17-22-32	20-24-35	22-26-37	23-28-40			
1.5" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	120	160	200	240	280	320	360
			Total Pressure	0.040	0.071	0.111	0.159	0.217	0.283	0.359
			Static Pressure	0.032	0.058	0.090	0.130	0.177	0.231	0.292
			NC (Noise Criteria)	<10	11	19	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	
		4 ft.	Airflow, cfm	240	310	380	450	520	590	660
			Total Pressure	0.062	0.103	0.155	0.218	0.291	0.375	0.469
			Static Pressure	0.032	0.054	0.081	0.114	0.152	0.196	0.246
			NC (Noise Criteria)	<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	
		5 ft.	Airflow, cfm	300	370	440	510	580	650	720
			Total Pressure	0.079	0.120	0.169	0.227	0.294	0.369	0.453
Static Pressure	0.032		0.049	0.070	0.094	0.121	0.152	0.187		
NC (Noise Criteria)	<10		14	21	26	31	35	39		
Throw	10-15-25	13-19-28	15-21-30	17-23-32	20-24-35	21-26-37	22-27-39			
1.5" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	120	170	220	270	320	370	420
			Total Pressure	0.034	0.068	0.114	0.172	0.241	0.323	0.416
			Static Pressure	0.032	0.065	0.109	0.164	0.231	0.309	0.398
			NC (Noise Criteria)	<10	11	21	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	
		4 ft.	Airflow, cfm	240	320	400	480	560	640	720
			Total Pressure	0.038	0.068	0.106	0.153	0.209	0.272	0.345
			Static Pressure	0.032	0.058	0.090	0.130	0.177	0.231	0.292
			NC (Noise Criteria)	<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	
		5 ft.	Airflow, cfm	300	400	500	600	700	800	900
			Total Pressure	0.042	0.074	0.116	0.166	0.226	0.296	0.374
Static Pressure	0.032		0.058	0.090	0.130	0.177	0.231	0.292		
NC (Noise Criteria)	<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			



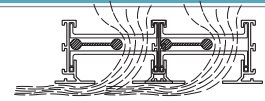
FL-20 / FL-25 / FT-20 - 2-SLOT, HIGHTHROW WITH TITUS PLENUM



2.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	120	165	210	255	300	345	390
			Total Pressure	0.028	0.053	0.085	0.125	0.174	0.230	0.294
			Static Pressure	0.020	0.039	0.063	0.092	0.128	0.169	0.216
			NC (Noise Criteria)	<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	
		4 ft.	Airflow, cfm	240	300	360	420	480	540	600
			Total Pressure	0.050	0.078	0.112	0.153	0.200	0.253	0.312
			Static Pressure	0.020	0.032	0.046	0.063	0.082	0.103	0.128
			NC (Noise Criteria)	12	21	27	33	38	43	47
		Throw	7-12-22	10-15-25	12-18-27	14-21-29	16-22-32	18-24-33	20-25-35	
		5 ft.	Airflow, cfm	260	325	390	455	520	585	650
			Total Pressure	0.050	0.078	0.112	0.153	0.200	0.253	0.312
	Static Pressure		0.015	0.024	0.034	0.047	0.061	0.078	0.096	
	NC (Noise Criteria)		11	20	26	32	37	42	46	
	Throw	6-12-23	9-15-26	12-18-28	14-20-31	16-23-33	18-25-35	19-26-37		
2.0" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	120	195	270	345	420	495	570
			Total Pressure	0.022	0.058	0.111	0.181	0.268	0.372	0.493
			Static Pressure	0.020	0.054	0.103	0.169	0.250	0.347	0.460
			NC (Noise Criteria)	<10	<10	17	26	33	39	45
		Throw	5-9-16	9-14-20	13-17-24	15-19-27	17-21-29	18-23-32	20-24-34	
		4 ft.	Airflow, cfm	240	330	420	510	600	690	780
			Total Pressure	0.026	0.050	0.080	0.118	0.164	0.217	0.277
			Static Pressure	0.020	0.039	0.063	0.092	0.128	0.169	0.216
			NC (Noise Criteria)	<10	12	21	28	34	39	44
		Throw	7-12-22	11-17-26	14-21-29	17-23-32	20-25-35	22-27-38	23-28-40	
		5 ft.	Airflow, cfm	280	380	480	580	680	780	880
			Total Pressure	0.026	0.047	0.076	0.110	0.152	0.200	0.254
	Static Pressure		0.018	0.033	0.052	0.076	0.105	0.138	0.176	
	NC (Noise Criteria)		<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		
2.5" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, cfm	80	160	240	320	400	480	560
			Total Pressure	0.007	0.027	0.061	0.109	0.171	0.246	0.334
			Static Pressure	0.005	0.022	0.049	0.088	0.137	0.197	0.269
			NC (Noise Criteria)	<10	<10	11	22	31	39	45
		Throw	2-4-11	7-11-18	11-16-22	14-18-26	17-20-29	18-22-32	20-24-34	
		4 ft.	Airflow, cfm	160	280	400	520	640	760	880
			Total Pressure	0.011	0.033	0.068	0.115	0.174	0.245	0.328
			Static Pressure	0.005	0.017	0.034	0.058	0.088	0.124	0.166
			NC (Noise Criteria)	<10	<10	15	26	35	42	48
		Throw	3-6-15	8-13-24	13-19-29	17-23-33	20-26-36	23-28-40	25-30-43	
		5 ft.	Airflow, cfm	200	335	470	605	740	875	1010
			Total Pressure	0.014	0.039	0.077	0.127	0.190	0.266	0.354
	Static Pressure		0.005	0.015	0.030	0.050	0.075	0.105	0.140	
	NC (Noise Criteria)		<10	<10	17	27	35	42	48	
	Throw	3-6-17	8-14-26	13-20-31	17-25-35	21-28-39	25-30-43	26-32-46		
2.5" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	80	170	260	350	440	530	620
			Total Pressure	0.006	0.028	0.065	0.117	0.185	0.269	0.368
			Static Pressure	0.005	0.025	0.058	0.105	0.166	0.241	0.329
			NC (Noise Criteria)	<10	<10	<10	21	31	38	45
		Throw	2-4-11	8-11-19	12-16-23	16-19-27	17-21-30	19-23-33	21-25-36	
		4 ft.	Airflow, cfm	160	295	430	565	700	835	970
			Total Pressure	0.008	0.027	0.058	0.101	0.155	0.220	0.297
			Static Pressure	0.005	0.019	0.040	0.068	0.105	0.149	0.202
			NC (Noise Criteria)	<10	<10	13	25	33	41	47
		Throw	3-6-15	9-14-25	14-21-30	18-24-34	22-27-38	24-29-42	26-32-45	
		5 ft.	Airflow, cfm	200	350	500	650	800	950	1100
			Total Pressure	0.010	0.029	0.060	0.101	0.153	0.215	0.288
	Static Pressure		0.005	0.017	0.034	0.058	0.088	0.124	0.166	
	NC (Noise Criteria)		<10	<10	14	25	34	41	47	
	Throw	3-6-17	9-15-27	14-21-32	19-26-37	23-29-41	26-31-44	28-34-48		

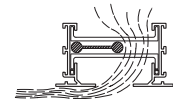


FL-30 - 2-SLOT, HIGHTHROW WITH TITUS PLENUM



3.0" Slot Width	2 Slot 10" Inlet	2 ft.	Airflow, cfm	80	180	280	380	480	580	680
			Total Pressure	0.006	0.032	0.077	0.141	0.226	0.329	0.453
Static Pressure	0.005	0.025	0.060	0.111	0.177	0.259	0.356			
NC (Noise Criteria)	<10	<10	<10	20	31	39	46			
Throw	1-3-10	7-11-19	12-17-24	16-20-28	18-22-32	20-24-35	22-27-38			
3.0" Slot Width	2 Slot 10" Inlet	4 ft.	Airflow, cfm	150	300	450	600	750	900	1050
			Total Pressure	0.009	0.036	0.081	0.145	0.226	0.326	0.444
Static Pressure	0.004	0.017	0.039	0.069	0.108	0.156	0.212			
NC (Noise Criteria)	<10	<10	<10	22	32	41	48			
Throw	2-4-13	7-13-25	13-20-31	18-25-35	22-28-39	25-31-43	27-33-47			
3.0" Slot Width	2 Slot 10" Inlet	5 ft.	Airflow, cfm	180	350	520	690	860	1030	1200
			Total Pressure	0.011	0.041	0.090	0.159	0.246	0.353	0.480
Static Pressure	0.004	0.015	0.033	0.059	0.091	0.131	0.177			
NC (Noise Criteria)	<10	<10	10	23	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			
3.0" Slot Width	2 Slot 12" Inlet	2 ft.	Airflow, cfm	80	180	280	380	480	580	680
			Total Pressure	0.006	0.028	0.068	0.126	0.201	0.293	0.403
Static Pressure	0.005	0.025	0.060	0.111	0.177	0.259	0.356			
NC (Noise Criteria)	<10	<10	<10	16	26	35	42			
Throw	1-3-10	7-11-19	12-17-24	16-20-28	18-22-32	20-24-35	22-27-38			
3.0" Slot Width	2 Slot 12" Inlet	4 ft.	Airflow, cfm	150	310	470	630	790	950	1110
			Total Pressure	0.007	0.028	0.065	0.117	0.183	0.265	0.362
Static Pressure	0.004	0.018	0.043	0.076	0.120	0.174	0.237			
NC (Noise Criteria)	<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			
3.0" Slot Width	2 Slot 12" Inlet	5 ft.	Airflow, cfm	180	360	540	720	900	1080	1260
			Total Pressure	0.007	0.029	0.065	0.116	0.182	0.262	0.356
Static Pressure	0.004	0.016	0.036	0.064	0.100	0.144	0.195			
NC (Noise Criteria)	<10	<10	<10	20	30	38	45			
Throw	2-4-14	7-14-27	14-21-33	19-27-39	24-31-43	27-33-47	29-36-51			

- All pressures are in inches of water
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10<sup>-12</sup> watts
- The tests were conducted with the FlowBar and plenums as a composite assembly
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Plenums not provided by Titus may demonstrate performance variations from data published by Titus. Titus can not guarantee performance if a factory engineered plenum is not provided.
- Throw values for HighThrow units are based on a one-way discharge from the slot
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet



MODUFLOW 24 X 24 INCHES 1-SLOT DATA  
(BASED ON MF10 MODEL)

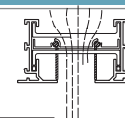
1" Slot Width	6" Dia Inlet	Neck Velocity, (fpm)	300	400	500	600	700	750	800	850	900
		Velocity Pressure, (In. WG)	0.006	0.010	0.016	0.022	0.031	0.035	0.040	0.045	0.051
Airflow, cfm	59	79	98	118	137	147	157	167	177		
Total Pressure, (In. WG)	0.015	0.027	0.043	0.062	0.084	0.096	0.110	0.124	0.139		
NC (Noise Criteria)	-	-	12	18	22	24	26	28	30		
Throw feet	0-1-4	1-2-6	1-3-8	2-4-9	2-5-10	3-6-11	3-6-11	3-7-12	4-7-12		
1" Slot Width	8" Dia Inlet	Airflow, cfm	105	140	175	209	244	262	279	297	314
		Total Pressure, (In. WG)	0.027	0.048	0.075	0.108	0.148	0.169	0.193	0.218	0.244
NC (Noise Criteria)	-	17	24	29	34	36	38	40	42		
Throw feet	1-3-8	2-5-11	4-7-12	5-8-13	6-10-14	7-10-14	7-11-15	8-11-15	8-11-16		
1" Slot Width	10" Dia Inlet	Airflow, cfm	164	218	273	327	382	409	436	464	491
		Total Pressure, (In. WG)	0.042	0.075	0.116	0.168	0.228	0.262	0.298	0.336	0.377
NC (Noise Criteria)	18	26	33	39	43	45	47	49	51		
Throw feet	3-6-11	6-9-13	7-10-15	9-11-16	10-12-17	10-13-18	11-13-19	11-14-19	11-14-20		

- All data based on tests conducted in accordance with ASHRAE Standard 70-2006
- Throw based on Isothermal air, at 150, 100 and 50 fpm terminal velocities
- NC based on a 10 dB reduction in discharge sound in all octave bands for room absorption



PERFORMANCE DATA

FL-10 / FL-15 / FL-20 / FL-25 / FL-30 WITH CONTINUOUS SLOT  
PLENUM AND JETTHROW PATTERN CONTROLLER



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Slot Width	Slots	Performance Data							
		Airflow, cfm/ft.	Static Pressure	NC (Noise Criteria)	Throw	Airflow, cfm/ft.	Static Pressure	NC (Noise Criteria)	Throw
1.0"	1-Slot	Airflow, cfm/ft.	20	40	60	80	100	120	140
		Static Pressure	0.007	0.027	0.061	0.109	0.170	0.245	0.334
		NC (Noise Criteria)	<10	<10	17	24	28	32	36
		Throw	2-3-7	4-7-13	7-10-19	9-13-22	11-17-24	13-19-26	15-20-29
	2-Slot	Airflow, cfm/ft.	40	85	130	175	220	265	310
		Static Pressure	0.007	0.031	0.072	0.130	0.206	0.299	0.409
NC (Noise Criteria)		<10	11	22	29	34	38	42	
Throw		3-5-9	7-10-20	10-15-27	14-20-32	17-25-36	21-28-39	24-30-42	
1.5"	1-Slot	Airflow, cfm/ft.	30	60	90	120	150	180	210
		Static Pressure	0.008	0.031	0.070	0.125	0.196	0.282	0.384
		NC (Noise Criteria)	<10	<10	17	22	28	33	37
		Throw	2-4-7	5-7-15	7-11-22	10-15-26	12-18-30	15-22-32	17-25-35
	2-Slot	Airflow, cfm/ft.	60	120	180	240	300	360	420
		Static Pressure	0.008	0.031	0.070	0.125	0.196	0.282	0.384
		NC (Noise Criteria)	<10	<10	19	27	32	37	40
		Throw	2-5-10	7-10-21	10-15-31	14-21-37	17-26-42	21-31-46	24-35-49
2.0"	1-Slot	Airflow, cfm/ft.	35	75	115	155	195	235	275
		Static Pressure	0.006	0.026	0.062	0.112	0.178	0.258	0.353
		NC (Noise Criteria)	<10	<10	17	24	29	33	37
		Throw	1-3-7	5-8-15	8-12-23	10-16-30	13-20-34	16-24-37	18-28-40
	2-Slot	Airflow, cfm/ft.	70	150	230	310	390	470	550
		Static Pressure	0.006	0.026	0.062	0.112	0.178	0.258	0.353
		NC (Noise Criteria)	<10	<10	19	26	32	36	40
		Throw	2-4-10	7-11-21	11-16-33	15-22-42	18-28-48	22-33-52	26-39-57
2.5"	1-Slot	Airflow, cfm/ft.	40	95	150	205	260	315	370
		Static Pressure	0.005	0.027	0.068	0.126	0.203	0.298	0.412
		NC (Noise Criteria)	<10	<10	18	25	30	35	39
		Throw	1-3-7	6-8-17	9-13-26	12-18-35	15-23-39	18-28-43	22-33-46
	2-Slot	Airflow, cfm/ft.	80	190	300	410	520	630	740
		Static Pressure	0.005	0.027	0.068	0.126	0.203	0.298	0.412
		NC (Noise Criteria)	<10	11	22	28	34	38	42
		Throw	2-4-10	8-12-24	12-19-37	17-26-49	22-32-55	26-39-60	31-46-66
3.0"	1-Slot	Airflow, cfm/ft.	50	115	180	245	310	375	440
		Static Pressure	0.005	0.028	0.067	0.125	0.200	0.293	0.403
		NC (Noise Criteria)	<10	<10	17	24	30	34	38
		Throw	1-3-8	6-9-18	9-14-28	13-19-38	16-24-42	20-29-47	23-34-51
	2-Slot	Airflow, cfm/ft.	100	230	360	490	620	750	880
		Static Pressure	0.005	0.028	0.067	0.125	0.200	0.293	0.403
		NC (Noise Criteria)	<10	<10	21	27	34	39	43
		Throw	2-4-11	8-13-25	13-20-40	18-27-53	23-34-60	28-42-66	33-49-71

- All pressures are in inches of water
- Pressure loss data assumes a duct velocity less than 800 fpm in the inlet duct
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Throw data based on active sections 4 feet long. For a 2-foot section, throw values are 0.72 times those shown.
- For a 10-foot continuous length, the throw values are 1.7 times those shown, 1.8 for 12-foot units
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10<sup>-12</sup> watts for a 4-foot section (See Table A for other lengths). For supply units used as a return, add 3 NC.

- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- The tests were conducted with no plenum effect for pressure or sound
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (vertical blow)
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet

Table A, NC Correction for length

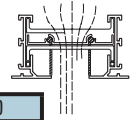
Length, Feet	2	4	6	8	10
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Table B, Throw Correction Multiplier for length

Length, Feet	2	4	8	10	12
Throw Correction	0.72	1	1.5	1.7	1.8







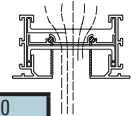
FL-10 / FL-15 / FT-10 / FT-15 - 1-SLOT, JETTHROW WITH TITUS PLENUM

1.0" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.012	0.043	0.093	0.163	0.252	0.361	0.488
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	16	23	29	34	39
			Throw	2-3-6	4-6-11	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
		4 ft.	Airflow, cfm	100	175	250	325	400	475	550
			Total Pressure	0.016	0.048	0.099	0.166	0.252	0.356	0.477
			Static Pressure	0.011	0.033	0.066	0.112	0.170	0.240	0.322
			NC	<10	<10	18	25	30	34	38
			Throw	3-4-8	5-7-14	7-10-19	9-13-22	11-17-24	13-19-26	15-20-28
		5 ft.	Airflow, cfm	110	195	280	365	450	535	620
			Total Pressure	0.014	0.045	0.094	0.159	0.242	0.342	0.459
			Static Pressure	0.008	0.026	0.053	0.091	0.138	0.195	0.262
			NC	<10	<10	17	24	29	33	37
			Throw	3-4-8	5-7-14	7-10-20	9-13-23	11-17-26	13-20-28	15-21-30
1.0" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.011	0.040	0.088	0.153	0.236	0.338	0.457
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	16	22	28	33	38
			Throw	2-3-6	4-6-11	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
		4 ft.	Airflow, cfm	100	180	260	340	420	500	580
			Total Pressure	0.013	0.041	0.086	0.147	0.225	0.318	0.428
			Static Pressure	0.011	0.034	0.072	0.123	0.188	0.266	0.358
			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.	Airflow, cfm	110	210	310	410	510	610	710
			Total Pressure	0.011	0.039	0.086	0.150	0.232	0.331	0.449
			Static Pressure	0.008	0.030	0.065	0.114	0.177	0.253	0.343
			NC	<10	<10	19	26	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
1.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.011	0.039	0.085	0.149	0.230	0.329	0.446
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	<10	15	22	27	32	38
			Throw	2-3-6	4-6-11	5-8-14	7-11-16	9-13-18	11-14-20	12-15-22
		4 ft.	Airflow, cfm	100	190	280	370	460	550	640
			Total Pressure	0.012	0.042	0.091	0.159	0.247	0.352	0.477
			Static Pressure	0.011	0.038	0.083	0.146	0.225	0.322	0.436
			NC	<10	10	19	26	32	37	42
			Throw	3-4-8	5-8-16	8-12-20	10-15-23	13-18-26	15-20-28	18-22-30
		5 ft.	Airflow, cfm	110	220	330	440	550	660	770
			Total Pressure	0.009	0.038	0.085	0.151	0.237	0.341	0.464
			Static Pressure	0.008	0.033	0.074	0.132	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
1.5" Slot Width	1-Slot 8" Inlet	2 ft.	Airflow, cfm	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	0.056	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
		4 ft.	Airflow, cfm	120	180	240	300	360	420	480
			Total Pressure	0.031	0.070	0.125	0.195	0.280	0.382	0.498
			Static Pressure	0.008	0.018	0.031	0.049	0.070	0.096	0.125
			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
		5 ft.	Airflow, cfm	140	200	260	320	380	440	500
			Total Pressure	0.039	0.079	0.133	0.201	0.284	0.381	0.492
			Static Pressure	0.007	0.014	0.024	0.036	0.050	0.067	0.087
			NC	<10	<10	<10	<10	12	17	22
			Throw	2-4-8	4-5-11	5-7-14	6-9-17	7-10-21	8-12-24	9-14-27

Performance notes appear at end of table



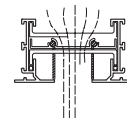
FL-15 / FL-20 / FT-15 / FT-20 - 1-SLOT, JETTHROW WITH TITUS PLENUM



1.5" Slot Width	1-Slot 10" Inlet	2 ft.	Airflow, cfm	60	125	190	255	320	385	450
			Total Pressure	0.009	0.037	0.086	0.155	0.244	0.354	0.483
			Static Pressure	0.008	0.034	0.079	0.141	0.223	0.322	0.441
			NC	<10	<10	<10	19	28	36	44
			Throw	1-3-5	4-5-11	5-8-16	7-11-19	9-14-22	11-17-24	13-18-26
		Airflow, cfm	120	230	340	450	560	670	780	
	4 ft.	Total Pressure	0.011	0.040	0.087	0.153	0.236	0.338	0.459	
		Static Pressure	0.008	0.029	0.063	0.110	0.171	0.244	0.331	
		NC	<10	<10	10	20	29	36	42	
		Throw	2-4-7	5-7-14	7-10-21	9-14-26	11-17-29	14-20-31	16-24-34	
		Airflow, cfm	140	265	390	515	640	765	890	
	5 ft.	Total Pressure	0.011	0.039	0.085	0.148	0.229	0.327	0.442	
Static Pressure		0.007	0.024	0.053	0.092	0.143	0.204	0.276		
NC		<10	<10	<10	19	27	34	40		
Throw		2-4-8	5-7-14	7-11-21	9-14-27	12-17-30	14-21-33	16-24-36		
Airflow, cfm		60	125	190	255	320	385	450		
1.5" Slot Width	1-Slot 12" Inlet	2 ft.	Total Pressure	0.008	0.036	0.082	0.148	0.233	0.337	0.461
			Static Pressure	0.008	0.034	0.079	0.141	0.223	0.322	0.441
			NC	<10	<10	<10	18	27	35	43
			Throw	1-3-5	4-5-11	5-8-16	7-11-19	9-14-22	11-17-24	13-18-26
			Airflow, cfm	120	240	360	480	600	720	840
		4 ft.	Total Pressure	0.009	0.037	0.084	0.149	0.232	0.334	0.455
	Static Pressure		0.008	0.031	0.070	0.125	0.196	0.282	0.384	
	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	17-25-35	
	Airflow, cfm		140	280	420	560	700	840	980	
	5 ft.	Total Pressure	0.009	0.035	0.079	0.141	0.220	0.317	0.432	
		Static Pressure	0.007	0.027	0.061	0.109	0.171	0.246	0.334	
NC		<10	<10	10	21	29	36	43		
Throw		2-4-8	5-8-15	8-11-23	10-15-29	13-19-32	15-23-35	18-27-38		
Airflow, cfm		70	140	210	280	350	420	490		
2.0" Slot Width	1-Slot 8" Inlet	2 ft.	Total Pressure	0.008	0.033	0.074	0.132	0.206	0.296	0.403
			Static Pressure	0.006	0.023	0.052	0.092	0.143	0.206	0.280
			NC	<10	<10	14	21	27	33	38
			Throw	1-2-5	3-5-10	5-7-15	7-10-20	8-12-23	10-15-25	12-17-27
			Airflow, cfm	140	240	340	440	540	640	740
		4 ft.	Total Pressure	0.016	0.046	0.093	0.156	0.235	0.329	0.440
	Static Pressure		0.006	0.017	0.034	0.057	0.085	0.120	0.160	
	NC		<10	12	21	27	32	36	40	
	Throw		1-3-7	4-6-12	6-9-17	7-11-22	9-14-27	11-16-30	12-19-33	
	Airflow, cfm		150	260	370	480	590	700	810	
	5 ft.	Total Pressure	0.016	0.047	0.096	0.161	0.243	0.343	0.459	
		Static Pressure	0.004	0.013	0.026	0.043	0.065	0.092	0.123	
NC		<10	13	21	27	32	36	40		
Throw		1-3-7	3-6-12	6-8-17	7-11-22	9-13-27	10-16-31	12-18-34		
Airflow, cfm		70	150	230	310	390	470	550		
2.0" Slot Width	1-Slot 10" Inlet	2 ft.	Total Pressure	0.007	0.031	0.073	0.132	0.210	0.304	0.417
			Static Pressure	0.006	0.026	0.062	0.112	0.178	0.258	0.353
			NC	<10	<10	11	18	26	31	36
			Throw	1-2-5	4-5-11	5-8-16	7-11-21	9-14-24	11-17-26	13-20-28
			Airflow, cfm	140	265	390	515	640	765	890
		4 ft.	Total Pressure	0.010	0.035	0.076	0.133	0.206	0.294	0.398
	Static Pressure		0.006	0.021	0.044	0.077	0.120	0.171	0.231	
	NC		<10	10	19	25	30	36	41	
	Throw		1-3-7	4-7-13	7-10-20	9-13-26	11-16-30	13-19-33	15-22-36	
	Airflow, cfm		150	300	450	600	750	900	1050	
	5 ft.	Total Pressure	0.009	0.036	0.080	0.143	0.223	0.321	0.437	
		Static Pressure	0.004	0.017	0.038	0.067	0.105	0.151	0.206	
NC		<10	11	21	27	33	37	42		
Throw		1-3-7	4-7-13	7-10-20	9-13-27	11-17-33	13-20-36	16-24-39		

Performance notes appear at end of table

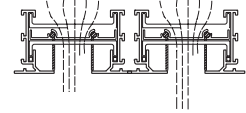
FL-30 / FL-25 / FT-20 - 1-SLOT, JETTHROW WITH TITUS PLENUM



Slot Width	Inlet	Height	Performance Metrics															
			Airflow, cfm	Total Pressure	Static Pressure	NC	Throw	Airflow, cfm	Total Pressure	Static Pressure	NC	Throw						
2.0"	1-Slot 12" Inlet	2 ft.	Airflow, cfm	70	160	250	340	430	520	610	Airflow, cfm	70	160	250	340	430	520	610
			Total Pressure	0.006	0.032	0.079	0.147	0.235	0.343	0.472	Total Pressure	0.006	0.032	0.079	0.147	0.235	0.343	0.472
			Static Pressure	0.006	0.030	0.073	0.135	0.216	0.316	0.435	Static Pressure	0.006	0.030	0.073	0.135	0.216	0.316	0.435
			NC	<10	<10	<10	17	25	31	36	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	Throw	1-2-5	4-6-11	6-9-18	8-12-22	10-15-25	12-18-27	14-21-30	
		Airflow, cfm	140	290	440	590	740	890	1040	Airflow, cfm	140	290	440	590	740	890	1040	
	4 ft.	Total Pressure	0.008	0.033	0.076	0.137	0.215	0.311	0.425	Total Pressure	0.008	0.033	0.076	0.137	0.215	0.311	0.425	
		Static Pressure	0.006	0.025	0.057	0.102	0.160	0.231	0.316	Static Pressure	0.006	0.025	0.057	0.102	0.160	0.231	0.316	
		NC	<10	<10	17	24	31	37	41	NC	<10	<10	17	24	31	37	41	
		Throw	1-3-7	5-7-15	7-11-22	10-15-29	12-19-33	15-22-36	17-26-39	Throw	1-3-7	5-7-15	7-11-22	10-15-29	12-19-33	15-22-36	17-26-39	
		5 ft.	Airflow, cfm	150	330	510	690	870	1050	1230	Airflow, cfm	150	330	510	690	870	1050	1230
			Total Pressure	0.006	0.031	0.075	0.137	0.218	0.318	0.436	Total Pressure	0.006	0.031	0.075	0.137	0.218	0.318	0.436
Static Pressure	0.004		0.020	0.049	0.089	0.141	0.206	0.283	Static Pressure	0.004	0.020	0.049	0.089	0.141	0.206	0.283		
NC	<10		<10	19	26	32	38	43	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	Throw	1-3-7	5-7-15	8-11-23	10-16-31	13-20-36	16-24-39	18-28-42			
2.5"	1-Slot 12" Inlet	2 ft.	Airflow, cfm	80	190	300	410	520	630	740	Airflow, cfm	80	190	300	410	520	630	740
			Total Pressure	0.005	0.031	0.077	0.143	0.231	0.339	0.467	Total Pressure	0.005	0.031	0.077	0.143	0.231	0.339	0.467
			Static Pressure	0.005	0.027	0.068	0.126	0.203	0.298	0.412	Static Pressure	0.005	0.027	0.068	0.126	0.203	0.298	0.412
			NC	<10	<10	<10	12	20	26	33	NC	<10	<10	<10	12	20	26	33
		Throw	1-2-5	4-6-12	6-9-19	9-13-24	11-16-27	13-20-30	15-23-33	Throw	1-2-5	4-6-12	6-9-19	9-13-24	11-16-27	13-20-30	15-23-33	
		Airflow, cfm	150	335	520	705	890	1075	1260	Airflow, cfm	150	335	520	705	890	1075	1260	
	4 ft.	Total Pressure	0.007	0.032	0.078	0.144	0.229	0.334	0.459	Total Pressure	0.007	0.032	0.078	0.144	0.229	0.334	0.459	
		Static Pressure	0.004	0.021	0.051	0.093	0.149	0.217	0.298	Static Pressure	0.004	0.021	0.051	0.093	0.149	0.217	0.298	
		NC	<10	<10	<10	18	26	32	38	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	Throw	1-2-7	5-7-15	8-11-23	10-16-31	13-20-36	16-24-40	18-28-43	
		5 ft.	Airflow, cfm	160	370	580	790	1000	1210	1420	Airflow, cfm	160	370	580	790	1000	1210	1420
			Total Pressure	0.006	0.030	0.075	0.138	0.222	0.324	0.447	Total Pressure	0.006	0.030	0.075	0.138	0.222	0.324	0.447
Static Pressure	0.003		0.016	0.040	0.075	0.120	0.176	0.243	Static Pressure	0.003	0.016	0.040	0.075	0.120	0.176	0.243		
NC	<10		<10	<10	18	26	32	38	NC	<10	<10	<10	18	26	32	38		
Throw	1-2-6	5-7-15	8-11-23	10-16-31	13-20-38	16-24-42	19-28-45	Throw	1-2-6	5-7-15	8-11-23	10-16-31	13-20-38	16-24-42	19-28-45			
3.0"	1-Slot 12" Inlet	2 ft.	Airflow, cfm	100	225	350	475	600	725	850	Airflow, cfm	100	225	350	475	600	725	850
			Total Pressure	0.006	0.031	0.076	0.140	0.224	0.327	0.449	Total Pressure	0.006	0.031	0.076	0.140	0.224	0.327	0.449
			Static Pressure	0.005	0.026	0.064	0.117	0.187	0.274	0.376	Static Pressure	0.005	0.026	0.064	0.117	0.187	0.274	0.376
			NC	<10	<10	<10	<10	15	24	31	NC	<10	<10	<10	<10	15	24	31
		Throw	1-2-6	4-6-12	6-10-19	9-13-26	11-17-30	13-20-32	16-24-35	Throw	1-2-6	4-6-12	6-10-19	9-13-26	11-17-30	13-20-32	16-24-35	
		Airflow, cfm	200	400	600	800	1000	1200	1400	Airflow, cfm	200	400	600	800	1000	1200	1400	
	4 ft.	Total Pressure	0.009	0.037	0.083	0.148	0.231	0.333	0.454	Total Pressure	0.009	0.037	0.083	0.148	0.231	0.333	0.454	
		Static Pressure	0.005	0.021	0.047	0.083	0.130	0.187	0.255	Static Pressure	0.005	0.021	0.047	0.083	0.130	0.187	0.255	
		NC	<10	<10	<10	<10	17	25	32	NC	<10	<10	<10	<10	17	25	32	
		Throw	1-3-8	5-8-16	8-12-24	10-16-31	13-20-38	16-24-42	18-27-45	Throw	1-3-8	5-8-16	8-12-24	10-16-31	13-20-38	16-24-42	18-27-45	
		5 ft.	Airflow, cfm	240	460	680	900	1120	1340	1560	Airflow, cfm	240	460	680	900	1120	1340	1560
			Total Pressure	0.011	0.039	0.085	0.149	0.231	0.331	0.449	Total Pressure	0.011	0.039	0.085	0.149	0.231	0.331	0.449
Static Pressure	0.005		0.018	0.039	0.067	0.105	0.150	0.203	Static Pressure	0.005	0.018	0.039	0.067	0.105	0.150	0.203		
NC	<10		<10	<10	<10	15	24	30	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	18-27-48	Throw	1-3-8	5-8-16	8-12-24	11-16-32	13-20-39	16-23-44	18-27-48			

- All pressures are in inches of water.
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10<sup>-12</sup> watts.
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Plenums not provided by Titus may demonstrate performance variations from data published by Titus. Titus can not guarantee performance if a factory engineered plenum is not provided.
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (vertical blow).
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet.

FL-10 / FL-15 / FT-10 / FT-15 - 2-SLOT, JETTHROW WITH TITUS PLENUM

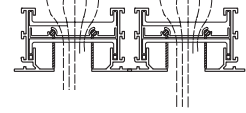


1.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	80	155	230	305	380	455	530
			Total Pressure	0.010	0.038	0.083	0.147	0.228	0.326	0.443
			Static Pressure	0.007	0.026	0.056	0.099	0.154	0.220	0.299
			NC	<10	<10	16	23	29	33	37
		Throw	2-3-7	4-6-13	6-10-18	8-13-21	10-16-23	13-18-26	15-20-28	
		4 ft.	Airflow, cfm	160	260	360	460	560	660	760
	Total Pressure		0.020	0.053	0.101	0.165	0.244	0.339	0.450	
	5 ft.	4 ft.	Static Pressure	0.007	0.018	0.034	0.056	0.083	0.116	0.154
			NC	<10	<10	15	21	26	30	33
		Throw	3-5-9	5-8-15	7-11-21	9-13-26	11-16-29	13-19-31	15-22-33	
		5 ft.	Airflow, cfm	200	300	400	500	600	700	800
			Total Pressure	0.027	0.061	0.109	0.171	0.246	0.334	0.437
Static Pressure		0.007	0.015	0.027	0.043	0.061	0.083	0.109		
NC	<10	<10	13	19	23	27	30			
Throw	3-5-10	5-8-16	7-10-21	9-13-26	10-16-30	12-18-32	14-21-34			
1.0" Slot Width	1-Slot 12" Inlet	2 ft.	Airflow, cfm	80	165	250	335	420	505	590
			Total Pressure	0.008	0.035	0.080	0.143	0.225	0.325	0.443
			Static Pressure	0.007	0.029	0.066	0.119	0.188	0.271	0.370
			NC	<10	<10	17	25	30	35	40
		Throw	2-3-7	5-7-14	7-10-19	9-14-22	12-17-25	14-19-27	16-21-29	
		4 ft.	Airflow, cfm	160	300	440	580	720	860	1000
	Total Pressure		0.012	0.043	0.092	0.160	0.247	0.352	0.476	
	5 ft.	4 ft.	Static Pressure	0.007	0.024	0.051	0.089	0.138	0.197	0.266
			NC	<10	<10	19	26	31	35	39
		Throw	3-5-9	6-9-18	9-13-25	11-17-29	14-21-32	17-25-35	19-27-38	
		5 ft.	Airflow, cfm	200	350	500	650	800	950	1100
			Total Pressure	0.015	0.047	0.095	0.161	0.243	0.343	0.460
Static Pressure		0.007	0.021	0.043	0.072	0.109	0.154	0.206		
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			
1.0" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	80	170	260	350	440	530	620
			Total Pressure	0.007	0.034	0.079	0.143	0.226	0.327	0.448
			Static Pressure	0.007	0.031	0.072	0.130	0.206	0.299	0.409
			NC	<10	<10	18	25	31	36	41
		Throw	2-3-7	5-7-14	7-11-19	10-14-23	12-18-25	15-20-28	17-21-30	
		4 ft.	Airflow, cfm	160	320	480	640	800	960	1120
	Total Pressure		0.009	0.038	0.085	0.150	0.235	0.338	0.461	
	5 ft.	4 ft.	Static Pressure	0.007	0.027	0.061	0.109	0.170	0.245	0.334
			NC	<10	10	20	27	33	37	42
		Throw	3-5-9	6-9-19	9-14-26	12-19-30	16-23-34	19-26-37	22-29-40	
		5 ft.	Airflow, cfm	200	375	550	725	900	1075	1250
			Total Pressure	0.011	0.038	0.082	0.143	0.220	0.314	0.424
Static Pressure		0.007	0.024	0.051	0.089	0.138	0.197	0.266		
NC	<10	10	20	26	32	36	40			
Throw	3-5-10	7-10-20	10-14-28	13-19-32	16-24-36	19-28-40	22-30-43			
1.5" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	120	210	300	390	480	570	660
			Total Pressure	0.015	0.047	0.095	0.161	0.243	0.343	0.460
			Static Pressure	0.008	0.024	0.049	0.083	0.125	0.177	0.237
			NC	<10	<10	<10	17	25	31	37
		Throw	2-4-7	4-6-13	6-9-18	8-12-24	10-15-26	12-17-29	13-20-31	
		4 ft.	Airflow, cfm	240	340	440	540	640	740	840
	Total Pressure		0.037	0.075	0.126	0.189	0.266	0.355	0.458	
	5 ft.	4 ft.	Static Pressure	0.008	0.016	0.026	0.040	0.056	0.074	0.096
			NC	<10	<10	<10	<10	15	21	26
		Throw	2-5-10	5-7-15	6-9-19	8-12-23	9-14-27	11-16-32	12-18-35	
		5 ft.	Airflow, cfm	260	365	470	575	680	785	890
			Total Pressure	0.041	0.080	0.132	0.198	0.277	0.369	0.475
Static Pressure		0.006	0.012	0.019	0.029	0.040	0.054	0.069		
NC	<10	<10	<10	<10	11	17	21			
Throw	2-5-10	4-7-14	6-9-18	7-11-22	9-13-26	10-15-30	11-17-34			

Performance notes appear at end of table



FL-15 / FL-20 / FT-15 / FT-20 - 2-SLOT, JETTHROW WITH TITUS PLENUM

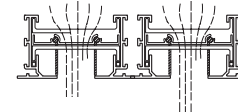


1.5" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, cfm	120	230	340	450	560	670	780
			Total Pressure	0.011	0.040	0.087	0.153	0.236	0.338	0.459
			Static Pressure	0.008	0.029	0.063	0.110	0.171	0.244	0.331
			NC	<10	<10	10	20	29	36	42
		Throw	2-4-7	5-7-14	7-10-21	9-14-26	11-17-29	14-20-31	16-24-34	
		4 ft.	Airflow, cfm	240	390	540	690	840	990	1140
	Total Pressure		0.020	0.053	0.101	0.165	0.244	0.339	0.449	
	Static Pressure		0.008	0.021	0.040	0.065	0.096	0.133	0.177	
	NC		<10	<10	<10	16	24	30	35	
	5 ft.	Airflow, cfm	260	425	590	755	920	1085	1250	
		Total Pressure	0.020	0.054	0.103	0.169	0.251	0.350	0.464	
		Static Pressure	0.006	0.016	0.030	0.050	0.074	0.102	0.136	
NC		<10	<10	<10	13	21	27	32		
1.5" Slot Width	2-Slot 12" Inlet	2 ft.	Airflow, cfm	120	240	360	480	600	720	840
			Total Pressure	0.009	0.037	0.084	0.149	0.232	0.334	0.455
			Static Pressure	0.008	0.031	0.070	0.125	0.196	0.282	0.384
			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	17-25-35	
		4 ft.	Airflow, cfm	240	415	590	765	940	1115	1290
	Total Pressure		0.014	0.041	0.083	0.139	0.210	0.295	0.395	
	Static Pressure		0.008	0.023	0.047	0.080	0.120	0.169	0.226	
	NC		<10	<10	<10	19	27	33	39	
	5 ft.	Airflow, cfm	260	440	620	800	980	1160	1340	
		Total Pressure	0.013	0.036	0.072	0.120	0.181	0.253	0.338	
		Static Pressure	0.006	0.017	0.033	0.056	0.084	0.117	0.156	
NC		<10	<10	<10	14	22	28	34		
2.0" Slot Width	2-Slot 8" Inlet	2 ft.	Airflow, cfm	70	140	210	280	350	420	490
			Total Pressure	0.008	0.033	0.074	0.132	0.206	0.296	0.403
			Static Pressure	0.006	0.017	0.034	0.057	0.085	0.120	0.160
			NC	<10	12	21	27	32	36	40
		Throw	1-3-7	4-6-12	6-9-17	7-11-22	9-14-27	11-16-30	12-19-33	
		4 ft.	Airflow, cfm	250	355	460	565	670	775	880
	Total Pressure		0.037	0.074	0.124	0.187	0.263	0.352	0.453	
	Static Pressure		0.005	0.009	0.015	0.023	0.033	0.044	0.057	
	NC		<10	17	23	28	32	35	38	
	5 ft.	Airflow, cfm	280	390	500	610	720	830	940	
		Total Pressure	0.044	0.085	0.140	0.208	0.290	0.385	0.494	
		Static Pressure	0.004	0.007	0.012	0.017	0.024	0.032	0.041	
NC		10	18	24	28	32	36	38		
2.0" Slot Width	2-Slot 10" Inlet	2 ft.	Airflow, cfm	140	275	410	545	680	815	950
			Total Pressure	0.010	0.038	0.084	0.149	0.232	0.333	0.453
			Static Pressure	0.006	0.022	0.049	0.087	0.135	0.194	0.263
			NC	<10	10	20	27	32	38	43
		Throw	1-3-7	5-7-14	7-10-21	9-14-27	11-17-31	14-20-34	16-24-37	
		4 ft.	Airflow, cfm	250	425	600	775	950	1125	1300
	Total Pressure		0.018	0.051	0.102	0.170	0.255	0.358	0.478	
	Static Pressure		0.005	0.013	0.026	0.044	0.066	0.092	0.123	
	NC		<10	16	24	30	35	39	42	
	5 ft.	Airflow, cfm	280	460	640	820	1000	1180	1360	
		Total Pressure	0.020	0.054	0.105	0.173	0.257	0.357	0.475	
		Static Pressure	0.004	0.010	0.019	0.031	0.047	0.065	0.086	
NC		<10	16	24	30	35	39	42		
5 ft.	Throw	1-3-9	4-7-15	7-10-20	9-13-26	11-16-32	12-19-37	14-22-43		

Performance notes appear at end of table



FL-20 / FL-25 / FL-30 - 2-SLOT, JETTHROW WITH TITUS PLENUM



Slot Width	Inlet	Height	Performance Data										
			Airflow, cfm	Total Pressure	Static Pressure	NC	Throw	Airflow, cfm	Total Pressure	Static Pressure	NC	Throw	
2.0"	2-Slot 12" Inlet	2 ft.	Airflow, cfm	140	280	420	560	700	840	980			
			Total Pressure	0.010	0.031	0.069	0.130	0.193	0.277	0.378			
			Static Pressure	0.006	0.023	0.052	0.092	0.143	0.206	0.280			
			NC	<10	<10	16	24	29	35	40			
			Throw	1-3-7	5-7-14	7-11-21	9-14-28	12-18-32	14-21-35	16-25-38			
		Airflow, cfm	250	450	650	850	1050	1250	1450				
	4 ft.	Total Pressure	0.080	0.035	0.074	0.130	0.192	0.272	0.390				
		Static Pressure	0.005	0.015	0.031	0.053	0.080	0.114	0.153				
		NC	<10	13	22	28	33	37	42				
		Throw	2-3-9	5-8-16	8-12-23	10-15-30	12-19-37	15-22-43	17-26-46				
		Airflow, cfm	280	480	680	880	1080	1280	1480				
	5 ft.	Total Pressure	0.012	0.034	0.070	0.115	0.173	0.242	0.324				
Static Pressure		0.004	0.011	0.022	0.036	0.054	0.077	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					
Airflow, cfm		150	335	520	705	890	1075	1260					
2.5"	2-Slot 12" Inlet	2 ft.	Total Pressure	0.010	0.032	0.078	0.150	0.229	0.334	0.480			
			Static Pressure	0.004	0.021	0.051	0.093	0.149	0.217	0.298			
			NC	<10	<10	<10	18	26	32	39			
			Throw	1-2-7	5-7-15	8-11-23	10-16-31	13-20-36	16-24-40	18-27-43			
			Airflow, cfm	300	540	780	1020	1260	1500	1740			
		4 ft.	Total Pressure	0.010	0.043	0.090	0.160	0.235	0.334	0.449			
	Static Pressure		0.004	0.014	0.029	0.049	0.075	0.106	0.142				
	NC		<10	<10	<10	18	25	31	36				
	Throw		1-3-9	5-8-17	8-12-24	11-16-32	13-20-39	16-23-47	18-27-50				
	Airflow, cfm		350	600	850	1100	1350	1600	1850				
	5 ft.	Total Pressure	0.020	0.047	0.095	0.170	0.239	0.336	0.480				
		Static Pressure	0.004	0.011	0.022	0.036	0.055	0.077	0.103				
NC		<10	<10	<10	16	24	30	35					
Throw		1-3-10	4-8-17	8-12-24	10-15-31	13-19-38	15-22-45	17-26-51					
Airflow, cfm		175	385	595	805	1015	1225	1435					
3.0"	2-Slot 12" Inlet	2 ft.	Total Pressure	0.010	0.034	0.082	0.160	0.238	0.347	0.477			
			Static Pressure	0.004	0.019	0.046	0.084	0.134	0.195	0.268			
			NC	<10	<10	<10	<12	18	26	33			
			Throw	1-3-7	5-8-15	8-12-23	11-17-32	13-20-38	16-24-42	19-28-46			
			Airflow, cfm	320	580	840	1100	1360	1620	1880			
		4 ft.	Total Pressure	0.080	0.050	0.100	0.170	0.270	0.330	0.510			
	Static Pressure		0.003	0.011	0.023	0.039	0.060	0.085	0.115				
	NC		<10	<10	<10	<10	16	24	31				
	Throw		1-4-9	4-9-16	8-13-23	10-17-30	13-21-38	15-25-45	17-29-52				
	Airflow, cfm		380	645	910	1175	1440	1705	1970				
	5 ft.	Total Pressure	0.020	0.051	0.101	0.180	0.253	0.355	0.510				
		Static Pressure	0.003	0.009	0.017	0.029	0.043	0.061	0.081				
NC		<10	<10	<10	<10	<10	13	26					
Throw		1-4-9	3-8-16	7-11-23	10-16-29	12-18-36	14-21-42	16-27-49					
Airflow, cfm		175	385	595	805	1015	1225	1435					

- All pressures are in inches of water.
- Isothermal throw values given are for terminal velocities of 150, 100 and 50 fpm.
- Each NC value represents the noise criteria that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10dB, re 10<sup>-12</sup> watts.
- Data obtained from tests conducted in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- The tests were conducted with the FlowBar and plenums as a composite assembly.
- Plenums not provided by Titus may demonstrate performance variations from data published by Titus. Titus can not guarantee performance if a factory engineered plenum is not provided.
- Throw values for JetThrow units are based on the pattern controller set at 0° discharge (vertical blow).
- Throws listed are for one-way air pattern. For divided airflow, select the airflow in each direction according to the number of slots aimed in that direction, with the total airflow apportioned between slots. See section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information.
- For continuous lengths it is recommended that maximum active lengths are no longer than 10 feet.

