





# Performance Data

## LAB: 1 Slot 2" width

6" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	200	265	325	385	450	515	580	640
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.041	0.072	0.111	0.157	0.213	0.274	0.344	0.422
		Static Pressure	0.035	0.062	0.095	0.135	0.182	0.234	0.294	0.360
		NC (Noise Criteria)	-	18	22	28	32	38	40	44
		Throw	3   7   18	4   11   20	6   14   23	9   17   26	14   20   30	16   21   33	19   25   35	20   26   36
8" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	210	290	355	425	500	570	645	710
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.043	0.075	0.116	0.164	0.223	0.286	0.360	0.441
		Static Pressure	0.037	0.065	0.100	0.142	0.192	0.246	0.310	0.379
		NC (Noise Criteria)	-	18	23	30	34	39	43	46
		Throw	3   7   18	5   13   22	8   16   26	12   21   29	16   22   32	18   23   35	20   26   37	21   27   38
12" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	230	310	385	460	540	615	695	770
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.046	0.080	0.123	0.175	0.237	0.305	0.383	0.469
		Static Pressure	0.040	0.070	0.107	0.153	0.206	0.265	0.333	0.407
		NC (Noise Criteria)	-	18	23	30	34	39	43	46
		Throw	4   8   23	7   15   26	10   19   29	14   23   32	18   25   35	20   26   37	23   28   39	24   29   41

## LAB: 1 Slot 2.5" width

10" Ø INLET	4 Ft.	Airflow, CFM	225	300	380	460	540	620	675	750
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.042	0.076	0.119	0.171	0.233	0.303	0.370	0.457
		Static Pressure	0.036	0.066	0.103	0.149	0.202	0.263	0.320	0.395
		NC (Noise Criteria)	-	20	27	33	38	42	44	48
		Throw	5   9   20	8   13   24	10   16   27	12   19   29	15   21   32	18   22   34	20   26   38	21   27   39
12" Ø INLET	4 Ft.	Airflow, CFM	258	345	430	515	603	688	775	860
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.041	0.069	0.109	0.156	0.227	0.299	0.380	0.452
		Static Pressure	0.035	0.059	0.093	0.134	0.196	0.259	0.330	0.390
		NC (Noise Criteria)	-	18	24	31	35	40	43	46
		Throw	6   10   22	9   13   24	11   17   28	13   20   30	16   22   33	18   23   36	23   29   41	24   31   43

# Performance Data

## LAB: 1 Slot 3" width

10" Ø INLET	4 Ft.	Airflow, CFM	263			350			438			525			613			700			788			875		
		Velocity Pressure	0.006			0.010			0.016			0.022			0.031			0.040			0.050			0.062		
		Total Pressure	0.041			0.083			0.118			0.165			0.217			0.274			0.380			0.457		
		Static Pressure	0.035			0.073			0.102			0.143			0.186			0.234			0.330			0.395		
		NC (Noise Criteria)	-			18			25			29			34			38			42			46		
		Throw	6	10	21	9	14	25	11	17	28	13	20	30	14	21	33	16	23	35	21	28	40	22	29	41
12" Ø INLET	4 Ft.	Airflow, CFM	285			380			475			570			665			760			855			950		
		Velocity Pressure	0.006			0.010			0.016			0.022			0.031			0.040			0.050			0.062		
		Total Pressure	0.039			0.066			0.106			0.153			0.221			0.290			0.370			0.440		
		Static Pressure	0.033			0.056			0.090			0.131			0.190			0.250			0.320			0.378		
		NC (Noise Criteria)	-			18			25			31			35			40			42			47		
		Throw	7	11	24	10	15	26	12	18	30	14	21	33	16	23	35	18	24	37	24	30	42	25	33	44

### Performance Notes:

- 1) Published data based on active sections 4 feet long
- 2) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 3) Throw data is based on supply air and room air both at isothermal conditions
- 4) Effective core areas listed in chart are defined as the measurement of space between blades actually being utilized by the air
- 5) Data obtained from tests conducted in accordance with

### Throw Correction for Length

Active Length (feet)	2'	4' (published)	8'	10'	12'
Throw Correction	0.7	0	1.5	1.7	1.8