

Performance Data



LAB: 2 Slot 1" width

8" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	100	135	170	205	240	270	305	340
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.012	0.021	0.033	0.046	0.064	0.082	0.103	0.127
		Static Pressure	0.006	0.011	0.017	0.024	0.033	0.042	0.053	0.065
		NC (Noise Criteria)	-	-	-	15	15	15	19	23
		Throw	1 3 11	2 5 15	4 8 19	5 11 22	7 14 24	9 15 26	11 17 27	13 19 29
10" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	105	150	185	235	290	325	380	425
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.011	0.019	0.030	0.042	0.061	0.078	0.097	0.122
		Static Pressure	0.005	0.009	0.014	0.020	0.030	0.038	0.047	0.060
		NC (Noise Criteria)	-	-	-	-	-	15	17	22
		Throw	1 3 11	2 5 15	5 9 20	6 12 23	8 15 25	10 16 27	12 18 28	14 20 30
12" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	110	160	205	270	350	390	475	530
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.011	0.018	0.029	0.040	0.056	0.072	0.090	0.112
		Static Pressure	0.005	0.008	0.013	0.018	0.025	0.032	0.040	0.050
		NC (Noise Criteria)	-	-	-	-	-	-	16	20
		Throw	1 3 11	2 5 15	6 10 21	8 14 25	10 17 27	12 18 29	14 20 30	16 22 32

LAB: 2 Slot 1.5" width

8" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	150	185	215	250	285	312	350	390
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.012	0.020	0.032	0.044	0.061	0.079	0.099	0.122
		Static Pressure	0.006	0.010	0.016	0.022	0.030	0.039	0.049	0.060
		NC (Noise Criteria)	-	-	-	15	15	19	23	27
		Throw	2 4 12	3 6 14	4 8 17	6 12 20	8 14 22	10 16 24	12 19 28	14 20 30
12" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	160	215	260	330	415	450	540	605
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.010	0.017	0.027	0.037	0.052	0.066	0.084	0.104
		Static Pressure	0.004	0.007	0.011	0.015	0.021	0.026	0.034	0.042
		NC (Noise Criteria)	-	-	-	-	15	15	20	24
		Throw	2 4 12	3 6 14	4 8 17	6 12 20	8 14 22	10 17 25	12 20 29	14 21 31

Performance Data



LAB: 2 Slot 2" width

8" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	360	450	515	590	665	740	825	885
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.017	0.029	0.044	0.063	0.086	0.110	0.138	0.170
		Static Pressure	0.011	0.019	0.028	0.041	0.055	0.070	0.088	0.108
		NC (Noise Criteria)	-	-	-	15	15	20	24	28
		Throw	2 6 16	4 11 20	7 14 24	10 19 27	14 20 29	15 21 32	17 23 34	18 23 35
12" Ø INLET	4 Ft.	FPM	300	400	500	600	700	800	900	1000
		Airflow, CFM	400	500	590	680	780	800	890	960
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062
		Total Pressure	0.017	0.030	0.047	0.066	0.090	0.116	0.145	0.178
		Static Pressure	0.011	0.020	0.031	0.044	0.059	0.076	0.095	0.116
		NC (Noise Criteria)	-	-	-	-	15	18	22	27
		Throw	4 8 23	7 14 24	9 18 28	13 21 30	16 23 32	18 24 34	20 26 36	21 27 37

LAB: 2 Slot 3" width

10" Ø INLET	4 Ft.	Airflow, CFM	525	700	875	1050	1225	1400	1575	1750
		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)	-	15	21	26	30	34	36	40
		Throw	9 15 32	14 21 38	17 26 42	20 30 45	21 32 50	24 35 53	32 42 60	33 44 62
12" Ø INLET	4 Ft.	Airflow, CFM	570	760	950	1140	1330	1520	1710	1900
		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)	-	15	21	26	30	34	36	40
		Throw	11 17 36	15 23 39	18 27 45	21 32 50	24 35 53	27 36 56	36 45 63	38 50 66

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 ANSI/ASHRAE standard 70-2006

Throw Correction for Length

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