

Drum Louver

1.6 Air Flow Data

Neck Velocity fpm	Size	225 x 150 175 x 200	750 x 150 550 x 200	1500 x 150 1100 x 250 850 x 250 750 x 300	1600 x 200 1250 x 250 1000 x 300 750 x 375	1750 x 250 1500 x 300 1000 x 375	1750 x 300 1250 x 375
200	L/s	39	123	224	307	431	643
	NC	< 15	< 15	< 15	< 15	< 15	< 15
	P _s (Pa)	4.41	2.70	1.96	1.72	1.23	0.98
	Throw	3.3 - 3.9 - 4.9	12.8 - 19 - 28.9	15.1 - 19.7 - 32.8	23 - 29.9 - 46.9	24 - 30.8 - 49.9	23 - 34.1 - 58.7
300	L/s	59	184	336	460	648	762
	NC	< 15	15	< 15	< 15	< 15	< 15
	P _s (Pa)	10.05	6.62	3.68	3.68	2.94	2.70
	Throw	5.9 - 6.9 - 12.1	14.8 - 19.7 - 32.8	23 - 29.9 - 46.9	24.9 - 31.8 - 51.8	24.9 - 34.8 - 58.7	26.9 - 34.8 - 63
400	L/s	76	247	448	612	863	1018
	NC	15	<15	<15	15	<15	16
	P _s (Pa)	17.16	11.28	6.86	6.86	5.39	5.15
	Throw	8.9 - 12.1 - 19.7	19 - 24.9 - 39.7	24.9 - 32.2 - 51.8	29.9 - 37.7 - 59.7	30.8 - 39.7 - 69.9	32.8 - 43 - 71.9
500	L/s	96	307	561	767	1078	1271
	NC	15	17	20	19	23	24
	P _s (Pa)	27.46	17.90	10.30	10.30	8.34	7.85
	Throw	11.2 - 16.1 - 24	23 - 29.9 - 46.9	28.9 - 39 - 61	33.8 - 43 - 69.9	42 - 51.8 - 89.9	43 - 54.8 - 99.7
600	L/s	117	369	672	919	1293	1524
	NC	17	22	27	28	31	29
	P _s (Pa)	40.45	26.48	15.45	15.45	12.26	11.52
	Throw	13.1 - 19 - 28.9	25.9 - 35.8 - 54.8	35.8 - 45.9 - 68.9	44 - 52.8 - 81.7	46.9 - 58.7 - 99.7	56.8 - 69.9 - 122.7
700	L/s	134	430	785	1074	1509	1780
	NC	23	29	31	33	33	33
	P _s (Pa)	53.69	35.55	21.33	21.33	16.67	15.69
	Throw	16.1 - 21 - 32.2	30.8 - 40.7 - 61.7	43 - 51.8 - 81.7	47.9 - 58.7 - 90.9	55.8 - 68.9 - 119.8	65.9 - 85 - 141.1
800	L/s	157	491	897	1226	1726	2033
	NC	26	33	39	40	40	43
	P _s (Pa)	73.30	44.13	27.70	27.70	21.57	20.10
	Throw	17.7 - 23 - 35.1	32.8 - 43 - 65.9	46.9 - 55.8 - 90.9	53.8 - 65 - 99.7	65 - 78.7 - 134.8	75.8 - 85 - 159.8
900	L/s	179	554	1009	1378	1941	2289
	NC	30	39	43	42	45	47
	P _s (Pa)	96.11	58.59	34.81	34.81	27.21	25.50
	Throw	19 - 25.9 - 38.1	35.1 - 45.9 - 68.9	49.9 - 59.7 - 96.8	60.7 - 71.9 - 110.9	69.9 - 85 - 142.7	85 - 106 - 174.9
1000	L/s	195	614	1121	1533	2157	2495
	NC	34	41	47	48	49	50
	P _s (Pa)	113.27	70.61	43.39	43.39	33.83	31.63
	Throw	19.7 - 26.9 - 39	35.8 - 46.9 - 68.9	53.8 - 63 - 99.7	61.7 - 72.8 - 111.9	72.8 - 79.7 - 149.9	86 - 109.9 - 179.8

- Neck Velocity is measured in fpm.
- P_s - Static pressure drop in Pascal.
- Throw (ft) is measured for terminal velocities of 2.5, 1.5 & 0.8 ft/s.
- Noise Criteria (NC) based on room attenuation of 10 dB.