

HEAVY DUTY FLOOR GRILLE

1.10 Air flow data

Width in mm	Face Vel.	400	500	600	700	800	900	1000
50	L/s	42	52	63	74	84	94	105
	P _s (Pa)	2.26	3.04	5.10	6.67	8.14	11.57	14.51
	Throw	1.6 - 2.3	2 - 3.6	2.3 - 4.3	3 - 6.9	4.3 - 8.2	5.2 - 10.2	7.2 - 12.5
	NC	<20	18	21	23	25	28	30
100	L/s	106	133	159	185	212	238	265
	P _s (Pa)	2.26	3.04	5.10	6.67	8.14	11.57	14.51
	Throw	2.3 - 4.3	4.3 - 9.2	7.5 - 13.5	8.2 - 15.7	9.2 - 17.7	11.5 - 21	13.5 - 24
	NC	< 20	18	23	27	29	31	34
150	L/s	164	205	246	287	328	369	410
	P _s (Pa)	2.26	3.04	5.10	6.67	8.14	11.57	14.51
	Throw	2.6 - 5.2	4.9 - 10.2	7.9 - 14.8	8.9 - 16.7	10.8 - 20	13.5 - 22.6	14.4 - 25.6
	NC	< 20	20	25	27	28	32	33
200	L/s	228	285	342	399	456	513	570
	P _s (Pa)	2.26	3.04	5.10	6.67	8.14	11.57	14.51
	Throw	3 - 5.9	5.6 - 12.1	8.2 - 15.7	10.2 - 17.7	11.5 - 22	14.4 - 24	16.1 - 26.9
	NC	< 20	20	25	27	29	33	35
250	L/s	284	355	426	497	568	638	710
	P _s (Pa)	2.26	3.04	5.10	6.67	8.14	11.57	14.51
	Throw	3.6 - 6.9	5.9 - 13.5	8.9 - 16.1	10.5 - 18.7	12.1 - 22.6	14.8 - 23.6	16.7 - 27.2
	NC	< 20	18	23	26	28	31	33
300	L/s	342	427	513	598	684	769	855
	P _s (Pa)	2.26	3.04	5.10	6.67	8.14	11.57	14.51
	Throw	3.9 - 7.2	5.9 - 13.8	8.5 - 16.1	9.8 - 18	11.8 - 22.3	14.8 - 23.3	16.1 - 26.9
	NC	< 20	18	23	26	31	31	34

- Data based on one meter unit length of the grille with damper in full open position.
- Face Velocity is measured in fpm.
- P_s : Static pressure drop in Pascal.
- Throw (ft) is measured for terminal velocities of 1.5 & 0.8 ft/s.
- Noise Criteria (NC) based on room attenuation of 10 dB.