

DOUBLE DEFLECTION LINEAR BAR REGISTER
0° - 12 mm spacing

1.3 Air flow data

Width in mm	Face Vel.	400	500	600	700	800	900	1000
50	L/s	80	100	120	140	160	180	200
	P _s (Pa)	1.37	1.86	1.86	2.26	2.75	3.53	4.51
	Throw	8.9 - 13.5 - 18.4	11.5 - 14.4 - 20.3	13.8 - 16.7 - 23.3	15.1 - 18.4 - 25.9	16.1 - 18.4 - 27.2	17.7 - 21 - 30.5	18 - 22.3 - 32.2
	NC	< 15	< 15	< 15	16	20	25	30
100	L/s	130	163	195	228	260	293	325
	P _s (Pa)	1.37	1.86	1.86	2.75	3.43	4.51	5.49
	Throw	11.5 - 15.4 - 23.3	13.5 - 17.4 - 25.6	15.7 - 19.7 - 28.2	18.4 - 21 - 30.5	19.4 - 23.6 - 32.8	21 - 26.6 - 37.1	22.3 - 28.2 - 40.7
	NC	< 15	< 15	15	18	21	26	32
150	L/s	176	220	264	308	352	395	440
	P _s (Pa)	1.37	1.86	2.26	3.24	4.12	5.20	6.37
	Throw	13.5 - 18.4 - 26.9	15.4 - 20.3 - 29.5	18 - 23 - 33.5	20.3 - 25.6 - 35.8	22.6 - 28.5 - 38.4	24.3 - 30.5 - 43	25.6 - 32.2 - 45.9
	NC	< 15	< 15	15	18	23	29	33
200	L/s	222	278	333	389	444	499	554
	P _s (Pa)	1.57	1.86	2.75	3.53	4.71	5.88	8.24
	Throw	15.1 - 20.3 - 29.5	17.4 - 22.6 - 32.8	20.7 - 25.9 - 37.4	23.3 - 27.9 - 40.4	25.9 - 31.2 - 43	27.6 - 34.1 - 47.6	29.5 - 36.1 - 51.8
	NC	< 15	16	15	19	25	32	34
250	L/s	268	335	402	469	536	603	670
	P _s (Pa)	1.86	2.26	3.04	3.82	5.10	6.96	8.43
	Throw	16.4 - 22.3 - 32.8	18.4 - 25.6 - 36.1	22 - 28.2 - 39.7	25.6 - 31.2 - 43.6	28.2 - 33.8 - 47.2	29.5 - 36.1 - 52.2	31.2 - 39 - 57.1
	NC	< 15	16	19	27	30	34	40
300	L/s	324	404	486	566	647	728	809
	P _s (Pa)	1.86	2.75	3.24	4.31	5.79	7.65	9.22
	Throw	17.4 - 24.6 - 35.8	20.3 - 27.6 - 39	24 - 31.5 - 42.7	27.6 - 34.4 - 46.9	30.2 - 36.7 - 50.5	31.5 - 40 - 55.8	33.5 - 42.7 - 61
	NC	< 15	17	23	28	33	35	41

- 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 2.5, 1.5 & 0.8 ft/s.
- Noise Criteria (NC) based on room attenuation of 10 dB.