

DOUBLE DEFLECTION LINEAR BAR REGISTER
15°- 1 Way - 12 mm spacing

1.2 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	2.06	2.45	3.04	3.82	4.90
	Throw	8.9 - 13.5 - 18.4	11.5 - 14.4 - 20.3	13.5 - 16.4 - 23	14.8 - 17.7 - 25.3	15.7 - 19 - 26.6	16.7 - 20 - 29.2	17.1 - 21 - 30.5
	NC	< 15	< 15	< 15	17	22	25	31
100	L/s	130	163	195	228	260	293	325
	P _s (Pa)	1.37	1.86	2.06	2.94	3.73	4.90	5.88
	Throw	11.5 - 15.4 - 23.3	13.5 - 17.4 - 25.6	15.4 - 19.4 - 27.6	17.7 - 20.3 - 29.5	19 - 23 - 31.8	20 - 25.3 - 35.4	21 - 26.6 - 38.4
	NC	< 15	< 15	15	17	21	26	30
150	L/s	176	220	264	308	352	395	440
	P _s (Pa)	1.37	1.86	2.45	3.53	4.41	5.59	6.86
	Throw	13.5 - 18.4 - 26.9	15.4 - 20.3 - 29.5	17.7 - 22.6 - 32.8	19.7 - 24.9 - 34.8	22 - 27.6 - 37.4	23 - 29.2 - 41	24.3 - 30.5 - 43.6
	NC	< 15	< 15	16	17	23	29	32
200	L/s	222	278	333	389	444	499	554
	P _s (Pa)	1.77	2.06	3.04	3.82	5.10	6.37	8.83
	Throw	15.1 - 20.3 - 29.5	17.4 - 22.6 - 32.8	20.3 - 25.6 - 36.7	22.6 - 27.2 - 39	25.3 - 30.2 - 41.7	26.2 - 32.5 - 45.3	27.9 - 34.1 - 48.9
	NC	< 15	16	17	20	26	32	36
250	L/s	268	335	402	469	536	603	670
	P _s (Pa)	1.96	2.45	3.24	4.12	5.49	7.55	9.12
	Throw	16.4 - 22.3 - 32.8	18.4 - 25.6 - 36.1	21.7 - 27.6 - 39	24.9 - 30.2 - 42.3	27.6 - 32.8 - 45.9	28.2 - 34.4 - 49.5	29.5 - 37.1 - 53.8
	NC	< 15	16	21	27	31	35	39
300	L/s	324	404	486	566	647	728	809
	P _s (Pa)	1.96	2.94	3.53	4.61	6.28	8.24	9.90
	Throw	17.4 - 24.6 - 35.8	20.3 - 27.6 - 39	23.6 - 30.8 - 42	26.9 - 33.5 - 45.6	29.2 - 35.8 - 49.2	30.2 - 38.1 - 53.1	31.5 - 40.4 - 57.7
	NC	< 15	17	24	30	31	35	42

- 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.