

DOUBLE DEFLECTION LINEAR BAR REGISTER
15°- 2 Way - 12 mm spacing

1.1 Air flow data

Width in mm	Face Vel.	400	500	600	700	800	900	1000
50	L/s	78	98	117	137	156	176	195
	P _s (Pa)	1.47	2.06	2.06	2.45	3.14	3.92	5.00
	Throw	8.9 - 13.1 - 18	11.2 - 14.1 - 19.7	13.1 - 16.1 - 22	14.1 - 17.1 - 24	15.1 - 18 - 24.9	16.1 - 19 - 26.9	16.1 - 19.7 - 27.9
	NC	< 15	< 15	< 15	<15	21	23	28
100	L/s	118	148	177	207	236	266	295
	P _s (Pa)	1.47	2.06	2.06	2.94	3.82	5.00	5.98
	Throw	11.2 - 15.1 - 23	13.1 - 17.1 - 24.9	15.1 - 19 - 26.2	17.1 - 19.7 - 27.9	18 - 22 - 29.9	19 - 24 - 32.8	19.7 - 24.9 - 35.1
	NC	< 15	< 15	< 15	15	22	25	30
150	L/s	156	195	234	273	311	351	389
	P _s (Pa)	1.47	2.06	2.45	3.53	4.51	5.69	6.96
	Throw	13.1 - 18 - 26.2	15.1 - 19.7 - 28.9	17.1 - 22 - 31.2	19 - 24 - 32.8	21 - 26.2 - 35.1	22 - 27.9 - 38.1	23 - 28.9 - 40
	NC	< 15	< 15	< 15	16	22	27	30
200	L/s	193	243	291	339	387	437	485
	P _s (Pa)	1.96	2.26	3.04	3.82	5.20	6.47	8.92
	Throw	14.8 - 20 - 28.9	17.1 - 22 - 32.2	19.7 - 24.9 - 35.1	22 - 26.2 - 37.1	24 - 28.9 - 39	24.9 - 31.2 - 42	26.2 - 32.2 - 44.9
	NC	< 15	< 15	15	20	25	29	34
250	L/s	232	290	347	406	463	521	579
	P _s (Pa)	1.96	2.45	3.24	4.22	5.69	7.45	9.22
	Throw	16.1 - 22 - 32.2	18 - 24.9 - 35.1	21 - 26.9 - 37.1	24 - 28.9 - 40	26.2 - 31.2 - 43	26.9 - 32.8 - 45.9	27.9 - 35.1 - 49.2
	NC	< 15	< 15	19	25	29	33	37
300	L/s	272	340	408	476	544	611	680
	P _s (Pa)	1.96	3.04	3.53	4.61	6.28	8.34	10.00
	Throw	17.1 - 24 - 35.1	20 - 26.9 - 38.1	23 - 29.9 - 40	25.9 - 32.2 - 43	27.9 - 34.1 - 45.9	28.9 - 36.1 - 49.2	29.9 - 38.1 - 53.1
	NC	< 15	16	22	27	31	34	39

- 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.