

DOUBLE DEFLECTION LINEAR BAR REGISTER
15° - 2 Way - 6 mm spacing

1.7 Air flow data

Width in mm	Face Vel.	400	500	600	700	800	900	1000
50	L/s	40	50	60	70	80	90	100
	P _s (Pa)	1.57	2.26	2.26	2.75	3.53	4.41	5.79
	Throw	9.2 - 13.8 - 19	11.8 - 14.8 - 20.7	14.1 - 17.4 - 23.6	15.1 - 18.4 - 25.9	16.7 - 19.7 - 27.6	17.7 - 21 - 29.5	17.7 - 22.6 - 30.8
	NC	< 15	< 15	< 15	17	22	26	33
100	L/s	70	88	105	123	140	158	175
	P _s (Pa)	1.57	2.26	2.26	3.24	4.31	5.69	6.86
	Throw	11.8 - 15.7 - 24	13.8 - 18 - 25.9	16.1 - 20.7 - 28.2	18.4 - 21.3 - 30.2	19.7 - 24.3 - 32.8	21 - 26.2 - 36.1	22 - 27.6 - 39
	NC	< 15	< 15	16	18	23	27	33
150	L/s	106	133	159	186	212	238	265
	P _s (Pa)	1.57	2.26	2.75	3.92	5.10	6.47	8.04
	Throw	13.8 - 19 - 27.6	15.7 - 20.7 - 30.2	18.4 - 23.6 - 33.8	20.7 - 25.9 - 35.4	23 - 28.9 - 38.7	24.3 - 30.8 - 42	25.6 - 32.2 - 44.3
	NC	< 15	< 15	15	20	27	30	35
200	L/s	134	168	201	235	268	302	335
	P _s (Pa)	2.16	2.45	3.33	4.22	5.88	7.35	10.30
	Throw	15.4 - 21 - 30.2	18 - 23 - 33.8	21.3 - 26.9 - 38.1	23.6 - 28.2 - 40	26.2 - 31.8 - 42.7	27.6 - 34.1 - 45.9	29.2 - 35.8 - 49.9
	NC	< 15	< 15	16	22	28	34	38
250	L/s	170	213	255	298	340	383	425
	P _s (Pa)	2.16	2.65	3.63	4.71	6.47	8.43	10.59
	Throw	16.7 - 23 - 33.8	18.7 - 25.9 - 36.7	22.6 - 28.9 - 40	25.9 - 31.2 - 43.3	28.9 - 34.1 - 47.2	29.5 - 36.1 - 50.5	30.8 - 39 - 54.5
	NC	15	16	21	26	34	38	40
300	L/s	206	258	309	361	411	463	514
	P _s (Pa)	2.16	3.33	3.92	5.10	7.06	9.41	11.47
	Throw	17.7 - 25.3 - 36.7	21 - 28.2 - 40	24.9 - 32.2 - 43.3	27.9 - 34.8 - 45.9	30.8 - 37.4 - 50.5	31.8 - 39.7 - 54.1	32.8 - 42.3 - 59.1
	NC	<15	17	27	30	37	39	45

- 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.