



APPLICATIONS

The contemporary Linear Slot diffuser is becoming increasingly popular in both commercial and domestic applications.

Their ability to handle large air volumes makes the diffusers suitable for any building requiring large air changes. Linear Slot Diffusers can be used in any indoors application requiring long continuous lengths of air supply, and are excellent for providing air curtains.

Normally installed in walls and ceilings, they are popular with architects due to their unobtrusive appearance.

FEATURES

Aluminium lightweight construction, will not rust or corrode.

Adjustable throw pattern.

Aerodynamically designed to ensure maximum air flow at minimum noise level.

Available in width from 1 to 12 slots.

Standard finish powder coat satin white.

Long linear are supplied in sections with joining strips to appear continuous.

Slot Width

Type	Exact Neck (mm)
1 Slot	40
2 Slot	80
3 Slot	120
4 Slot	160
5 Slot	200
6 Slot	240
7 Slot	280
8 Slot	320
9 Slot	360
10 Slot	400
11 Slot	440
12 Slot	480

LINEAR SLOT DIFFUSER Model AGI-LD

1 Slot					2 Slot				3 Slot			
NR	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25
20	110	17	2.9	4.1	190	13	3.2	4.5	270	12	3.4	4.8
30	178	46	3.7	5.2	310	35	4.1	5.7	433	30	4.3	6.1
40	234	79	4.3	6.0	411	61	4.7	6.6	570	52	5.0	7.0
50	285	117	4.7	6.6	500	90	5.2	7.3	691	77	5.5	7.7
60	330	157	5.1	7.1	580	121	5.6	7.8	800	103	5.9	8.3

4 Slot					5 Slot				6 Slot			
NR	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25
20	330	10	3.5	4.9	395	9	3.6	5.1	455	9	3.7	5.2
30	536	26	4.5	6.3	627	23	4.6	6.4	754	24	4.8	6.7
40	709	45	5.1	7.2	822	40	5.2	7.3	1007	42	5.5	7.7
50	862	67	5.7	7.9	994	58	5.8	8.1	1229	62	6.1	8.5
60	1000	90	6.1	8.6	1150	78	6.2	8.7	1430	85	6.6	9.2

8 Slot					10 Slot				12 Slot			
NR	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25	L/s	Pa	t.50	t.25
20	570	8	3.8	5.3	660	7	4.0	5.5	750	7	4.0	5.6
30	892	19	4.7	6.6	1071	18	5.0	7.1	1192	16	5.0	7.1
40	1164	32	5.4	7.5	1418	31	5.8	8.1	1565	28	5.8	8.1
50	1404	47	5.9	8.3	1724	46	6.4	9.0	1893	41	6.4	8.9
60	1620	62	6.4	8.9	2000	62	6.9	9.6	2190	56	6.8	9.6

NOTE:

t.5 - Throw (m) to terminal velocity of 0.5m/s.

t.25 - Throw (m) to terminal velocity of 0.25m/s

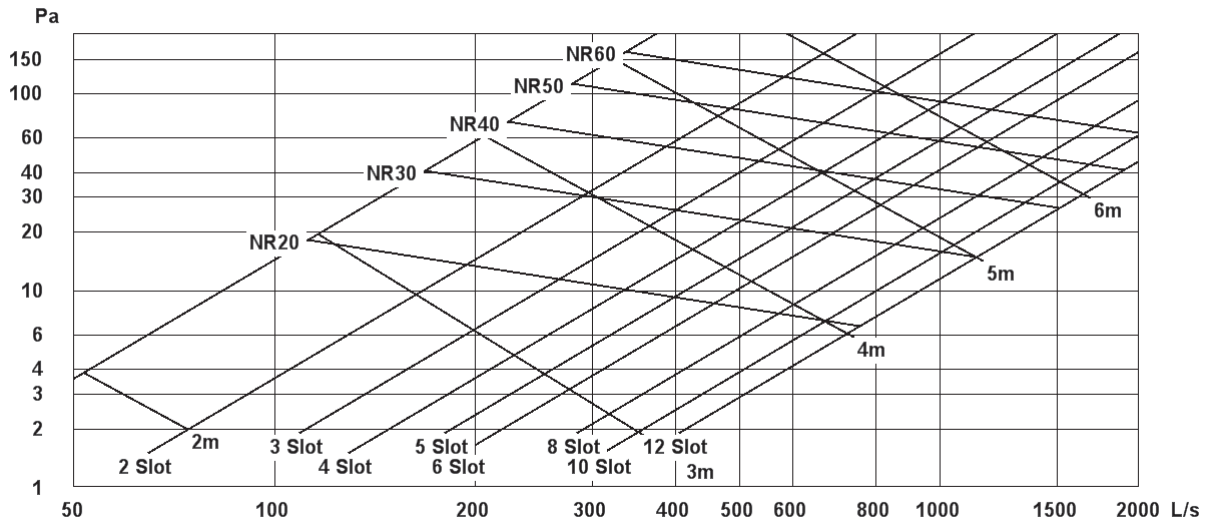
NR - Noise Rating calculated with assumed 10dB deducts for room absorption.

Pa - Static Pressure, Pascals.

Note: Diffusers tested isothermally, with horizontal projection.

LINEAR SLOT DIFFUSER Model AGI-LD

Linear Slot Diffuser



Throw (m) is to a terminal velocity of 0.5m/s.
 Throw to a terminal velocity of 0.25m/s is approximately 40% of the above.

Note: Calculations and testing based on 1135 x 20mm Slot Diffuser

Legend

Pa Pascals
 L/s Liters per second
 NR Noise Rating

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