

**ML-37 Linear Slot Diffusers 12.7 mm Slot Supply**

1 Slot	Air Flow , l/s per meter	8	16	24	32	40	48	56	64	72
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	-	20	27	32	37	40	44	46
	Horizontal	0.3 - 0.3 - 1.8	1 - 1.8 - 3.8	1.8 - 3.3 - 4.5	3 - 3.8 - 5.3	3.3 - 4.3 - 5.8	3.8 - 4.5 - 6.5	4 - 5 - 7	4.3 - 5.3 - 7.5	4.5 - 5.5 - 8
	Vertical	0.5	1.8	2.8	3.3	3.8	4.3	4.5	5	5.3
2 Slot	Air Flow , l/s per meter	16	32	48	64	80	97	113	129	145
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	13	23	30	35	40	43	47	49
	Horizontal	0.3 - 1 - 3	1.5 - 3 - 5.3	3 - 4.5 - 6.5	4.3 - 5.3 - 7.5	5 - 5.8 - 8.5	5.3 - 6.5 - 9.3	5.8 - 7 - 10	6 - 7.5 - 10.8	6.5 - 8 - 11.3
	Vertical	1.3	2.5	4	5	5.3	5.8	6	6.8	7.3
3 Slot	Air Flow , l/s per meter	24	48	72	97	121	145	169	193	217
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	15	25	32	37	41	45	48	51
	Horizontal	0.5 - 1.3 - 4	2.3 - 4 - 6.5	4 - 5.5 - 8	5.3 - 6.5 - 9.3	5.8 - 7.3 - 10.3	6.5 - 8 - 11.3	7 - 8.5 - 12.3	7.5 - 9.3 - 13	8 - 9.8 - 13.8
	Vertical	1.5	3	4.5	5.8	6.5	7	7.5	8.3	8.5
4 Slot	Air Flow , l/s per meter	32	64	97	129	161	193	225	258	290
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	16	26	33	38	43	46	50	52
	Horizontal	1 - 1.8 - 4.3	3 - 4.3 - 7.5	4.3 - 6.5 - 9.3	5.8 - 7.5 - 10.8	6.8 - 8.5 - 12	7.5 - 9.3 - 13	8.3 - 10 - 14	8.5 - 10.8 - 15	9.3 - 11.3 - 15.8
	Vertical	2.3	3.8	5.5	6.8	7.5	8.3	8.8	9.5	10
5 Slot	Air Flow , l/s per meter	40	80	121	161	201	241	282	322	362
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	17	27	34	39	44	47	51	53
	Horizontal	1 - 2.3 - 5	3.3 - 5 - 8.5	5 - 7.3 - 10.3	6.8 - 8.5 - 12	7.5 - 9.5 - 13.5	8.5 - 10.3 - 14.8	9.3 - 11 - 15.8	9.8 - 12 - 16.8	10.3 - 12.5 - 17.8
	Vertical	2.3	4.3	6	7.5	8.5	9.3	9.8	10.8	11.3
6 Slot	Air Flow , l/s per meter	48	97	145	193	241	290	338	386	435
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	18	28	35	40	44	48	51	54
	Horizontal	1.3 - 2.8 - 5.5	3.8 - 5.5 - 9.3	5.5 - 8 - 11.3	7.3 - 9.3 - 13	8.5 - 10.3 - 14.8	9.3 - 11.3 - 15.8	10 - 12.3 - 17	10.8 - 13 - 18.3	11.3 - 13.8 - 19.5
	Vertical	2.3	5	6.8	8.3	9.3	10	10.8	11.5	12.3
7 Slot	Air Flow , l/s per meter	56	113	169	225	282	338	394	451	507
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	19	29	35	41	45	49	52	55
	Horizontal	1.8 - 3 - 5.8	4 - 5.8 - 10	5.8 - 8.5 - 12.3	7.5 - 10 - 14	9.3 - 11 - 15.8	10 - 12.3 - 17	10.8 - 13 - 18.5	11.5 - 14 - 19.8	12.3 - 15 - 21
	Vertical	2.5	5	7.3	8.8	9.8	10.8	11.5	12.5	13
8 Slot	Air Flow , l/s per meter	64	129	193	258	322	386	451	515	580
	Static Pressure, Pa	1	6	13	22	35	51	69	90	114
	NC ( Noise Criteria)	-	19	29	36	41	46	49	53	55
	Horizontal	2.3 - 3 - 6	4.3 - 6 - 10.8	6 - 9.3 - 13	8.3 - 10.8 - 15	9.8 - 12 - 16.8	10.8 - 13 - 18.3	11.5 - 14 - 19.8	12.3 - 15 - 21.3	13 - 15.8 - 22.5
	Vertical	2.5	5.3	8	9.5	10.8	11.5	12.5	13	13.8

NC corrections for various diffuser lengths.

Length, mm	600	1225	1825	2450	3050
Supply	-3	0	+2	+3	+5
Return	0	+3	+5	+6	+8

- Horizontal throw values are given for terminal velocities of .8, .5, and .3 mps.
- Throw Values are given for Isothermal Conditions, and are based on 1225mm active section.
- All pressures are given in pascals
- Vertical throw values are given for terminal velocities of .3 mps
- For divided throw, use the l/s/m value for the number of slots in each direction. For sound, use the NC values for cfm-per-foot for the total number of slots.
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th, with a room absorption of 10dB, re 10<sup>-12</sup> Watts.
- For vertical throw, deduct 11dB from each NC value.
- Dash (-) in space denotes an NC value of less than 10.
- Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.

**Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric**

**• contact factory for availability of sizes •**

**TITUS**®

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