

**MB-30 3/4" Wide Slot Supply**

Neck Velocity, m/s	1.5	2.0	2.5	3.0	3.6	4.1	4.6	5.1	5.6
Velocity Pressure, Pa	1	2	4	6	8	10	13	16	19

1 Slot	SIZE 8	Air Flow , l/s	49	66	82	99	115	132	148	165	181
		Total Pressure, Pa	12	21	33	47	64	83	106	130	158
		NC ( Noise Criteria)	19	25	30	34	37	40	43	45	47
		Throw, m	1.3 - 1.8 - 3.8	1.5 - 2.5 - 5	2.3 - 3 - 6	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.5	3.3 - 5 - 9.8	3.8 - 5.5 - 10.8	4 - 6 - 11.3	4.5 - 6.8 - 12

1 Slot	SIZE 10	Air Flow , l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	27	47	74	106	145	189	239	296	358
		NC ( Noise Criteria)	27	33	38	42	45	48	50	53	55
		Throw, m	1.8 - 2.8 - 5.8	2.5 - 4 - 7.5	3 - 5 - 9.5	4 - 5.8 - 11	4.5 - 6.8 - 12	5.3 - 7.5 - 12.5	5.8 - 8.5 - 13.5	6.5 - 9.5 - 14	7 - 10.3 - 14.8

2 Slot	SIZE 8	Air Flow , l/s	49	66	82	99	115	132	148	165	181
		Total Pressure, Pa	4	8	12	18	24	31	40	49	59
		NC ( Noise Criteria)	-	14	19	23	27	29	32	34	36
		Throw, m	0.5 - 1.3 - 2.8	1 - 1.8 - 3.8	1.5 - 2.3 - 4.5	1.8 - 2.8 - 5.5	2.3 - 3 - 6.5	2.5 - 3.8 - 7.3	2.8 - 4 - 8	3 - 4.5 - 8.8	3.3 - 5 - 9.8

2 Slot	SIZE 10	Air Flow , l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	9	16	24	35	48	62	79	97	118
		NC ( Noise Criteria)	16	22	27	31	34	37	40	42	44
		Throw, m	1.3 - 2.3 - 4.3	1.8 - 2.8 - 5.5	2.5 - 3.3 - 7	2.8 - 4.3 - 8.5	3.3 - 5 - 9.8	3.8 - 5.5 - 11.3	4.3 - 6.5 - 12.5	4.5 - 7 - 14	5.3 - 7.5 - 14.8

3 Slot	SIZE 10	Air Flow , l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	4	8	12	18	24	32	40	49	60
		NC ( Noise Criteria)	17	23	28	32	35	38	40	43	45
		Throw, m	1 - 1.8 - 3.8	1.5 - 2.5 - 5	2.3 - 3 - 6	2.5 - 3.8 - 7	2.8 - 4.3 - 8.3	3 - 5 - 9.5	3.8 - 5.5 - 10.8	4 - 6 - 12	4.3 - 6.5 - 13

3 Slot	SIZE 12	Air Flow , l/s	111	148	185	222	259	297	334	371	408
		Total Pressure, Pa	8	14	21	31	42	55	69	86	104
		NC ( Noise Criteria)	23	29	34	38	41	44	47	49	51
		Throw, m	1.5 - 2.5 - 5.3	2.3 - 3.3 - 6.8	2.8 - 4.3 - 8.5	3.3 - 5.3 - 10.3	4 - 6 - 12	4.5 - 6.8 - 13.8	5.3 - 7.5 - 15.5	5.8 - 8.5 - 16.8	6.5 - 9.5 - 17.8

4 Slot	SIZE 8	Air Flow , l/s	49	66	82	99	115	132	148	165	181
		Total Pressure, Pa	2	4	6	9	12	16	20	25	30
		NC ( Noise Criteria)	-	12	17	21	24	27	29	32	34
		Throw, m	0.3 - 0.5 - 2.3	0.3 - 1 - 2.8	0.5 - 1.5 - 3.3	1 - 2.3 - 4.3	1.3 - 2.5 - 5	1.8 - 2.8 - 5.5	2.3 - 3 - 6	2.5 - 3.3 - 7	2.5 - 3.8 - 7.5

4 Slot	SIZE 10	Air Flow , l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	3	6	10	14	19	25	31	38	46
		NC ( Noise Criteria)	13	20	24	28	32	35	37	39	41
		Throw, m	0.5 - 1.3 - 3.3	1 - 2.3 - 4.3	1.5 - 2.8 - 5.5	2.3 - 3.3 - 6.5	2.5 - 3.8 - 7.5	2.8 - 4.3 - 8.5	3.3 - 5 - 9.8	3.8 - 5.5 - 10.8	4 - 5.8 - 12

4 Slot	SIZE 12	Air Flow , l/s	111	148	185	222	259	297	334	371	408
		Total Pressure, Pa	6	10	16	23	31	40	51	63	76
		NC ( Noise Criteria)	20	26	31	35	38	41	43	46	48
		Throw, m	1.3 - 2.5 - 4.5	2.3 - 3 - 6	2.5 - 4 - 7.5	3 - 4.5 - 9.5	3.8 - 5.5 - 11	4.3 - 6 - 12.5	4.5 - 7 - 14	5.3 - 7.5 - 15.5	5.8 - 8.5 - 17

4 Slot	SIZE 14	Air Flow , l/s	151	202	252	303	353	404	454	505	555
		Total Pressure, Pa	9	16	26	37	50	66	83	103	125
		NC ( Noise Criteria)	25	31	36	40	43	46	49	51	53
		Throw, m	2.3 - 3 - 6.5	2.8 - 4.3 - 8.5	3.8 - 5.3 - 10.8	4.3 - 6.5 - 12.8	5 - 7.3 - 15	5.5 - 8.5 - 16.8	6.5 - 9.5 - 18.5	7 - 10.8 - 19.8	7.5 - 11.5 - 20.8

- \* Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.
- \* Throw values are given for terminal velocities of .8, .5, and .3 mps.
- \* Throw Values are given for Isothermal Conditions
- \* N.C. values are based on Octave Band 2 - 7 sound power levels minus a room absorption of 10dB.
- \* 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.
- \* Dash (-) in space denotes an N.C. value of less than 10.
- \* All pressures are given in pascals

**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 •**



**990 Security Row • Richardson, Texas 75081  
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**G124M-S**

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**MB-30 1" Wide Slot Supply**

Neck Velocity, m/s	1.5	2.0	2.5	3.0	3.6	4.1	4.6	5.1	5.6
Velocity Pressure, Pa	1	2	4	6	8	10	13	16	19

1 Slot	SIZE 8	Air Flow, l/s	49	66	82	99	115	132	148	165	181
		Total Pressure, Pa	8	14	23	33	44	58	73	91	110
		NC ( Noise Criteria)	15	21	26	30	33	36	38	41	43
		Throw, m	1 - 1.5 - 3	1.5 - 2.3 - 4.3	1.8 - 2.8 - 5.3	2.3 - 3 - 6.5	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.5	3 - 5 - 9.5	3.8 - 5.3 - 10.8	4 - 5.8 - 11.5

1 Slot	SIZE 10	Air Flow, l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	18	32	50	72	97	127	161	199	241
		NC ( Noise Criteria)	23	29	34	37	41	44	46	48	50
		Throw, m	1.5 - 2.5 - 5	2.3 - 3.3 - 6.8	2.8 - 4.3 - 8.3	3.3 - 5 - 9.8	4 - 5.8 - 11.5	4.3 - 6.8 - 12.5	5 - 7.3 - 13.5	5.5 - 8.3 - 14	6 - 9.3 - 14.8

2 Slot	SIZE 8	Air Flow, l/s	49	66	82	99	115	132	148	165	181
		Total Pressure, Pa	3	6	10	14	19	25	31	39	47
		NC ( Noise Criteria)	-	-	16	20	23	26	28	30	33
		Throw, m	0.3 - 1 - 2.5	0.5 - 1.5 - 3	1 - 1.8 - 4	1.5 - 2.5 - 4.5	1.8 - 2.8 - 5.5	2.3 - 3 - 6.5	2.5 - 3.8 - 7	2.8 - 4 - 8	2.8 - 4.3 - 8.5

2 Slot	SIZE 10	Air Flow, l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	6	12	18	26	35	46	58	72	87
		NC ( Noise Criteria)	12	19	23	27	31	33	36	38	40
		Throw, m	1 - 1.8 - 3.8	1.5 - 2.5 - 5	2.3 - 3 - 6	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.5	3.3 - 5 - 9.8	3.8 - 5.5 - 11	4 - 6 - 12.3	4.5 - 6.8 - 13.5

3 Slot	SIZE 10	Air Flow, l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	4	6	10	14	20	26	33	40	49
		NC ( Noise Criteria)	14	20	25	29	32	35	37	40	42
		Throw, m	0.5 - 1.3 - 3	1 - 2.3 - 4.3	1.5 - 2.8 - 5.3	2.3 - 3 - 6.5	2.5 - 3.8 - 7.3	2.8 - 4.3 - 8.5	3 - 5 - 9.5	3.8 - 5.3 - 10.8	4 - 5.8 - 11.5

3 Slot	SIZE 12	Air Flow, l/s	111	148	185	222	259	297	334	371	408
		Total Pressure, Pa	6	11	17	24	33	43	54	67	81
		NC ( Noise Criteria)	20	26	31	35	38	41	44	46	48
		Throw, m	1.3 - 2.5 - 4.5	2.3 - 3 - 6	2.5 - 4 - 7.5	3 - 4.5 - 9.3	3.8 - 5.5 - 10.8	4 - 6 - 12.3	4.5 - 7 - 13.8	5.3 - 7.5 - 15.3	5.5 - 8.5 - 16.8

4 Slot	SIZE 8	Air Flow, l/s	49	66	82	99	115	132	148	165	181
		Total Pressure, Pa	2	4	6	8	11	15	18	23	27
		NC ( Noise Criteria)	-	-	14	18	21	24	26	29	31
		Throw, m	0.3 - 0.3 - 1.5	0.3 - 0.5 - 2.5	0.5 - 1.3 - 3	0.5 - 1.5 - 3.8	1 - 2.3 - 4.3	1.3 - 2.5 - 5	1.5 - 2.8 - 5.5	1.8 - 3 - 6	2.3 - 3.3 - 6.8

4 Slot	SIZE 10	Air Flow, l/s	77	103	129	154	180	206	232	257	283
		Total Pressure, Pa	3	5	8	12	16	21	27	33	40
		NC ( Noise Criteria)	-	17	22	26	29	32	34	36	39
		Throw, m	0.3 - 1 - 3	0.5 - 1.8 - 4	1.3 - 2.5 - 5	1.8 - 3 - 5.8	2.3 - 3.3 - 6.8	2.5 - 4 - 7.5	3 - 4.3 - 8.8	3.3 - 5 - 9.8	3.8 - 5.5 - 10.8

4 Slot	SIZE 12	Air Flow, l/s	111	148	185	222	259	297	334	371	408
		Total Pressure, Pa	5	8	13	19	25	33	42	52	63
		NC ( Noise Criteria)	17	23	28	32	35	38	41	43	45
		Throw, m	1 - 2.3 - 4.3	1.5 - 2.8 - 5.5	2.5 - 3.3 - 7	2.8 - 4.3 - 8.5	3.3 - 5 - 9.8	3.8 - 5.5 - 11.3	4.3 - 6.5 - 12.5	4.5 - 7 - 14	5.3 - 7.5 - 15.3

4 Slot	SIZE 14	Air Flow, l/s	151	202	252	303	353	404	454	505	555
		Total Pressure, Pa	7	13	21	30	40	53	67	83	100
		NC ( Noise Criteria)	22	28	33	37	41	43	46	48	50
		Throw, m	1.5 - 2.8 - 5.8	2.5 - 3.8 - 7.5	3 - 5 - 9.5	3.8 - 5.8 - 11.3	4.5 - 6.8 - 13.5	5.3 - 7.5 - 15.3	5.8 - 8.5 - 17	6.5 - 9.5 - 19	7 - 10.3 - 20.8

\* Data were obtained from test conducted in accordance with ANSI / ASHRAE Standard 70-1991.  
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