

### TDCw/OBD -4 Way

Neck Velocity, m/s	1.5	2.0	2.5	3.0	3.6	4.1	4.6
Velocity Pressure, Pa	1	2	4	6	8	10	13
Total Pressure, Pa	10	19	29	42	57	75	94

150mm x 150mm	Total l/s	35	47	59	71	83	94	106
	NC	-	13	19	23	27	31	34
	A4-Pattern Throw, m	1 - 1.5 - 2.5	1.3 - 2.3 - 2.8	1.8 - 2.3 - 3	2.3 - 2.5 - 3.3	2.3 - 2.8 - 3.8	2.5 - 2.8 - 4	2.5 - 3 - 4.3

250mm x 250mm	Total l/s	80	106	133	159	186	212	239
	NC	-	15	21	26	30	34	37
	A4-Pattern Throw, m	1.3 - 2.3 - 3.8	2.3 - 3 - 4.3	2.5 - 3.3 - 5	3 - 3.8 - 5.3	3.3 - 4 - 5.5	3.3 - 4.3 - 6	3.8 - 4.5 - 6.5

300mm x 300mm	Total l/s	142	189	236	283	330	378	425
	NC	-	17	23	28	32	35	38
	A4-Pattern Throw, m	1.8 - 3 - 5	2.8 - 4 - 5.8	3.3 - 4.5 - 6.5	4 - 5 - 7	4.3 - 5.3 - 7.5	4.5 - 5.8 - 8	5 - 6 - 8.5

400mm x 400mm	Total l/s	221	295	369	442	516	590	664
	NC	11	19	25	29	33	37	40
	A4-Pattern Throw, m	2.3 - 3.8 - 6	3.3 - 5 - 7	4.3 - 5.5 - 8	5 - 6 - 8.5	5.5 - 6.8 - 9.5	5.8 - 7 - 10	6 - 7.5 - 10.8

450mm x 450mm	Total l/s	319	425	531	637	743	850	956
	NC	12	20	26	31	35	38	41
	A4-Pattern Throw, m	2.8 - 4.5 - 7.3	4 - 6 - 8.5	5.3 - 6.8 - 9.5	6 - 7.3 - 10.3	6.5 - 8 - 11.3	7 - 8.5 - 12	7.3 - 9.3 - 12.8

550mm x 550mm	Total l/s	434	578	723	867	1012	1156	1301
	NC	13	21	27	32	36	39	42
	A4-Pattern Throw, m	3 - 5.3 - 8.5	5 - 7 - 9.8	5.8 - 8 - 11	7 - 8.5 - 12.3	7.5 - 9.3 - 13	8.3 - 9.8 - 14	8.5 - 10.3 - 15

600mm x 600mm	Total l/s	566	755	944	1133	1321	1510	1699
	NC	14	22	28	32	36	40	43
	A4-Pattern Throw, m	3.8 - 6 - 9.8	5.5 - 8 - 11.3	6.8 - 8.8 - 12.5	8 - 9.8 - 13.8	8.5 - 10.8 - 15	9.3 - 11.3 - 15.8	9.8 - 12 - 17

750mm x 750mm	Total l/s	885	1180	1475	1770	2065	2360	2655
	NC	16	23	29	34	38	41	45
	A4-Pattern Throw, m	4.5 - 7.5 - 12.3	6.8 - 10 - 14	8.5 - 11.3 - 15.8	10 - 12.3 - 17.3	10.8 - 13 - 18.5	11.5 - 14 - 20	12.3 - 15 - 21.3

900mm x 900mm	Total l/s	1274	1699	2124	2549	2973	3398	3823
	NC	17	24	30	35	39	43	46
	A4-Pattern Throw, m	5.5 - 9.3 - 14.8	8.3 - 12 - 17	10 - 13.5 - 19	12 - 14.8 - 20.8	13 - 15.8 - 22.5	13.8 - 17 - 24	14.8 - 18 - 25.3

1200mm x 1200mm	Total l/s	2265	3020	3776	4531	5286	6041	6796
	NC	19	26	32	37	41	45	48
	A4-Pattern Throw, m	7.3 - 12.3 - 19.5	11 - 15.8 - 22.5	13.5 - 18 - 25.3	15.8 - 19.5 - 27.8	17.3 - 21 - 29.8	18.5 - 22.5 - 32	19.5 - 24 - 33.8

\* 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 •**



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**G133M-S**

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