MB06-38

☀ 6.5 inch ☀ 100 Watts
☀ 92 dB ☀ 125 ~ 9000 Hz

KEY FEATURES:

① 200 W continuous program power capacity
② High efficiency: 92dB 1w/1m
③ Extended mid response up to 9kHz
④ 1.5" flat copper clad aluminum voice coil
⑤ Copper shorting ring ensures extremely linear impedance and reduced distortion figure
⑥ Ideal for the use in array systems, midrange application

GENERAL SPECIFICATIONS

Nominal Diameter	200mm /6.5inch
Rated Impedance	8 ohm
Nominal Power handling[1]	100 Watts
Program Power[2]	200 Watts
Sensitivity(1w/1m)[3]	92 dB
Frequency Range[4]	125 ~ 9000Hz
Minimum Impedance(Zmin)	6.4 ohm
Voice Coil Diameter	38mm /1.5inch
Voice Coil Material	Edgewound CCAW
Former Material	Fiberglass
Voice Coil Winding Depth	8 mm
Number of layers	1
Magnet gap depth	6 mm
Basket	Cast Aluminum
Flux Density	1.05 T
Magnet Out Diameter/Wgt	120mm/30 oz

THIELE – SMALL PARAMETERS[5]

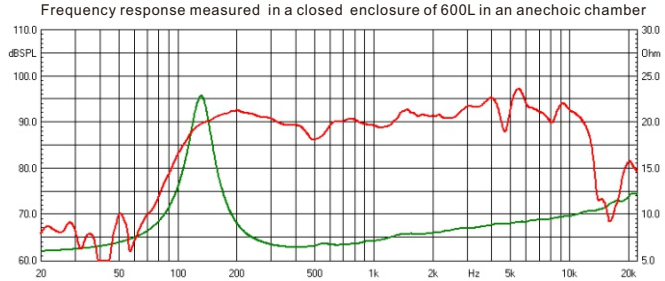
Resonance frequency	Fs	131 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	3.3
Electrical factor	Qes	1.03
Total factor	Qts	0.78
Mechanical compliance	Cms	0.11 mm/N
Mechanical resistance of total-driver losses	Rms	3.36 kg/s
Effective Moving Mass	Mms	13.5 g
Half-space efficiency	Eff	0.62%
BL Factor	BL	7.65 T.m
Equivalent Cas air load	Vas	2.9 liters
Effective piston area	Sd	0.0139 m^2
Max. linear excursion[6]	Xmax	±2.5 mm
Max. excursion before damage	Xdam	±6 mm
Voice coil inductance(1kHz)	Le	0.16 mH
Efficiency Bandwidth Product	EBP	127

MOUNTING INFORMATION

Overall Diameter	162 mm
Bolt Circle Diameter	172 mm
Bolt Hole Diameter	5 mm
Baffle Cutout Diameter	147 mm
Overall Depth	78 mm
Air volume occupied by driver	0.7 liters
Net Weight	2.1 kg
Shipping Weight	2.3 kg
Shipping Box	172x172x95mm

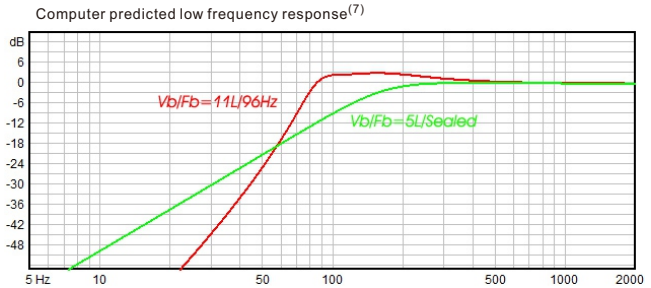
Also available in 16ohm, data upon request.

Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]



NOTES:

1. AES standard
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
5. T/S parameters measured with laser system BEFORE preconditioning test.
6. The maximum linear excursion is calculated as: (Hvc-Hg)/2+Hg/4 where Hvc is the voice coil depth and Hg is the gap depth.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.