

MW08-50

☀ 8 inch ☀ 150 Watts
☀ 93 dB ☀ 83 ~ 4600 Hz



KEY FEATURES:

- ① 300 W continuous program power capacity
- ② Sensitivity 93dB/1w/1m
- ③ 83~4600Hz frequency response
- ④ 2" copper clad aluminum voice coil wound on polyimide former
- ⑤ Ideal for midbass application

GENERAL SPECIFICATIONS

Nominal Diameter	200mm /8inch
Rated Impedance	8 ohm
Nominal Power handling ¹	150 Watts
Program Power ²	300 Watts
Sensitivity(1w/1m) ³	93 dB
Frequency Range ⁴	83 ~ 4600Hz
Minimum Impedance(Zmin)	6.8 ohm
Voice Coil Diameter	50mm /2inch
Voice Coil Material	Copper
Former Material	Polyimide
Voice Coil Winding Depth	18 mm
Number of layers	2
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.1T
Magnet Outer Diameter / Wgt	145mm / 42 oz

THIELE - SMALL PARAMETERS⁵

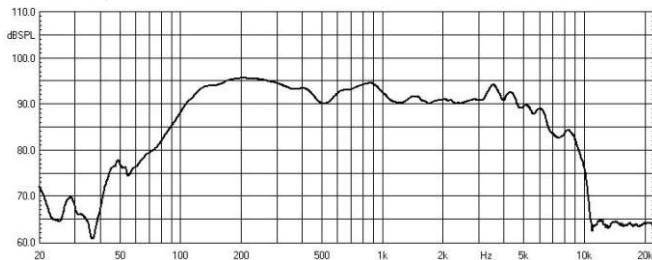
Resonance frequency	Fs	86 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	7.6
Electrical factor	Qes	0.48
Total factor	Qts	0.45
Mechanical compliance	Cms	0.11 mm/N
of suspension losses	Rms	2.16 mech-ohm
Effective Moving Mass	Mms	30 g
Half-space efficiency	Eff	1.0%
BL Factor	BL	13.6 T.m
Equivalent Cas air load	Vas	7.2 liters
Effective piston area	Sd	0.0214 m ²
Max. linear excursion ⁶	Xmax	6 mm
Voice coil inductance	Le1K	0.85 mH
Efficiency Bandwidth Product	EBP	179

MOUNTING INFORMATION

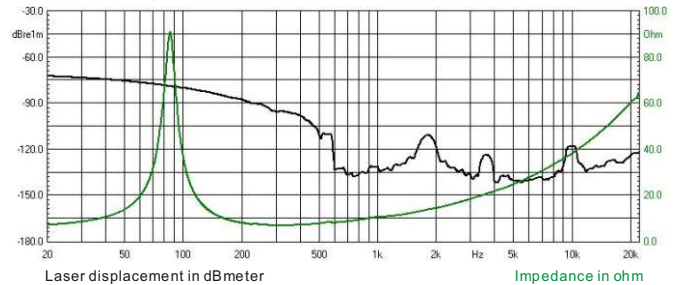
Overall Diameter	200 mm
Bolt Circle Diameter	212 mm
Bolt Hole Diameter	6.2 mm
Baffle Cutout Diameter	180 mm
Overall Depth	101 mm
Net Weight	3.2 kg
Shipping Weight	3.6 kg
Shipping Box	220x220x110mm



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



Impedance magnitude curve measured in free air



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 without preconditioning test at 23 Celsius degree environment.
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.