

# M5015

☀️ 15 inch ☀️ 500 Watts  
☀️ 99 dB ☀️ 41 ~ 3000 Hz



## KEY FEATURES:

- ① 1000 W continuous program power capacity
- ② Sensitivity: 99dB 1w/1m
- ③ 76mm(3") inside/outside voice coil with pure aluminum wire
- ④ Paper cone imported from U.S.A
- ⑤ Optimized winding length and high flexible M-roll surround for extended Xmax
- ⑥ Ideal for high quality compact 2 or 3-way systems

## GENERAL SPECIFICATIONS

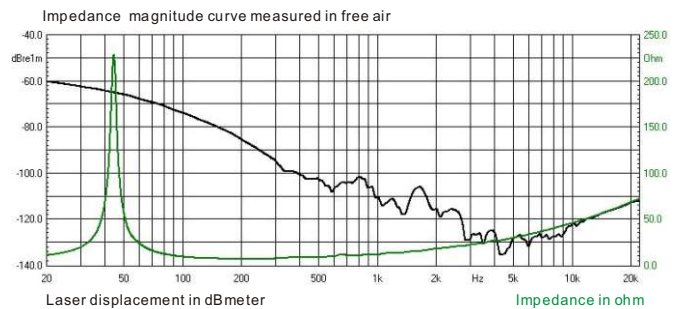
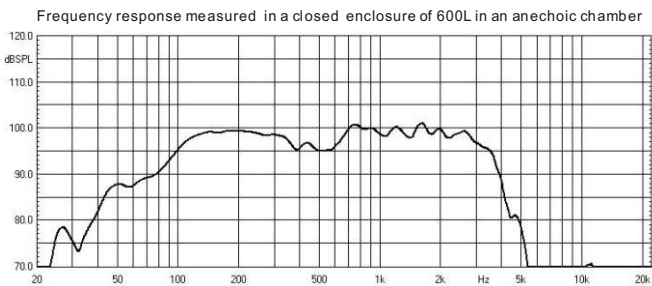
Nominal Diameter	380mm /15inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	500 Watts
Program Power <sup>2</sup>	1000 Watts
Sensitivity(1w/1m) <sup>3</sup>	99 dB
Frequency Range <sup>4</sup>	41 ~ 3000Hz
Minimum Impedance(Zmin)	6.6 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	Aluminum
Former Material	Glass Fiber
Voice Coil Winding Depth	19 mm
Number of layers	2(inside/outside)
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Outer Diameter / Wgt	200mm / 100 oz

## THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	44 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	5.7
Electrical factor	Qes	0.41
Total factor	Qts	0.4
Mechanical compliance	Cms	0.14 mm/N
Mechanical resistance of suspension losses	Rms	4.6 mech-ohm
Effective Moving Mass	Mms	91 g
Half-space efficiency	Eff	3.2%
BL Factor	BL	18.4 T.m
Equivalent Cas air load	Vas	152 liters
Effective piston area	Sd	0.0881 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	7 mm
Voice coil inductance	Le1K	1.1 mH
Efficiency Bandwidth Product	EBP	107

## MOUNTING INFORMATION

Overall Diameter	393 mm
Bolt Circle Diameter	375 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	355 mm
Overall Depth	168 mm
Net Weight	8.5 kg
Shipping Weight	9.2 kg
Shipping Box	425x425x2 15 mm



## 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.