

M5215



☀ 15 inch ☀ 450 Watts
☀ 99 dB ☀ 45 ~ 2800 Hz



KEY FEATURES:

- ① 900 W continuous program power capacity
- ② Sensitivity: 99dB 1w/1m
- ③ 76mm(3") high temperature inside/outside voice coil with copper clad aluminum wire
- ④ 7DF paper cone, made in USA
- ⑤ M-roll surround and curved cone geometry
- ⑥ Ideal for high quality compact 2 or 3-way systems

GENERAL SPECIFICATIONS

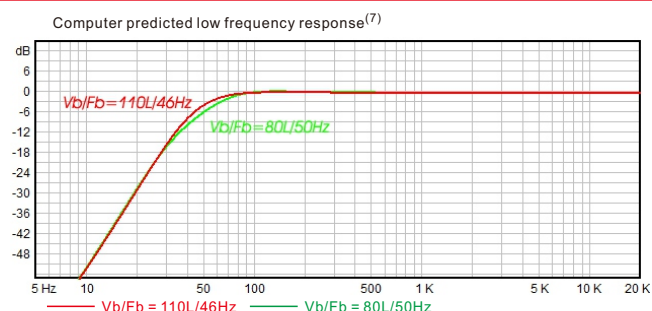
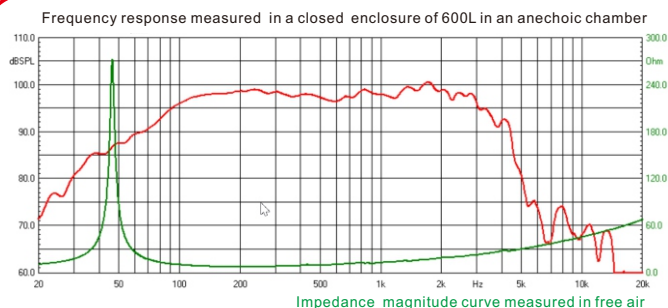
Nominal Diameter	380mm /15inch
Rated Impedance	8 ohm
Nominal Power handling ¹	450 Watts
Program Power ²	900 Watts
Sensitivity(1w/1m) ³	99 dB
Frequency Range ⁴	45 ~ 2800Hz
Minimum Impedance(Zmin)	7 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	18 mm
Number of layers	2(inside/outside)
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Out Diameter/Wgt	190mm / 78 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	47 Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	14
Electrical factor	Qes	0.43
Total factor	Qts	0.42
Mechanical compliance	Cms	0.13 mm/N
Mechanical resistance of total-driver losses	Rms	1.3 kg/s
Effective Moving Mass	Mms	90 g
Half-space efficiency	Eff	3.3%
BL Factor	BL	18.4 T.m
Equivalent Cas air load	Vas	132 liters
Effective piston area	Sd	0.0892 m ²
Max. linear excursion ⁶	Xmax	± 6.5 mm
Max. excursion before damage	Xdam	±18.1 mm
Voice coil inductance(1kHz)	Le	0.93 mH
Efficiency Bandwidth Product	EBP	109

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
Air volume occupied by driver	5 liters
Net Weight	8.1 kg
Shipping Weight	9.2 kg
Shipping Box	430x430x205 mm



NOTES:

- AES standard
- Program Power is defined as 3 dB greater than the nominal power handling.
- Sensitivity is measured at 1W input on rated impedance at 1m on axis.
- 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.
- Thiele-Small parameters are measured with Klippel DALPM module BEFORE preconditioning test.
- 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.
- Vb: Net internal volume of box after subtracting the volume of internal objects.