

# M5315s

☀ 15 inch ☀ 800 Watts  
☀ 97 dB ☀ 40 ~ 350 Hz



## KEY FEATURES:

- ① 1600 W continuous program power capacity
- ② 97dB Sensitivity 1w/1m
- ③ 40Hz ~350Hz frequency response range
- ④ 100mm(4") inside/outside copper voice coil
- ⑤ Double silicone spider with optimized compliance
- ⑥ Triple-roll cloth edge with deep corrugations for extended Xmax
- ⑦ Corrugated cone geometry
- ⑧ Ideal for compact bass-reflex subwoofer application

## GENERAL SPECIFICATIONS

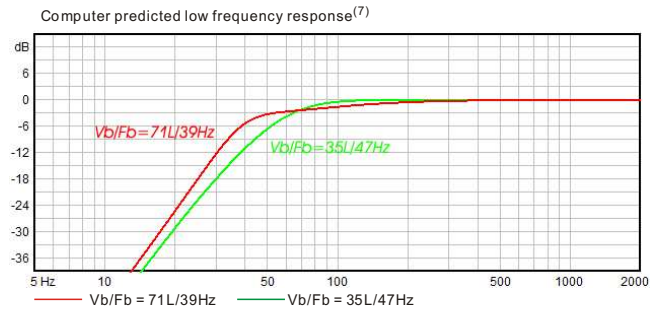
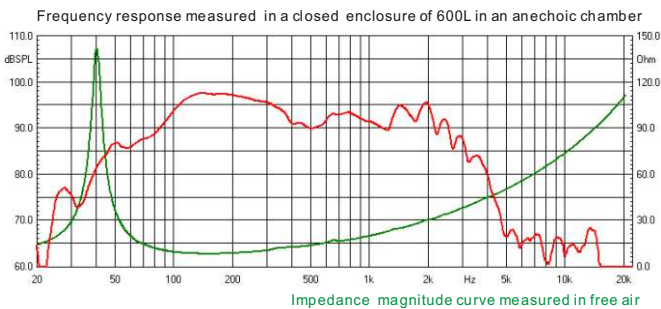
Nominal Diameter	380mm / 15inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	800 Watts
Program Power <sup>2</sup>	1600 Watts
Sensitivity(1w/1m) <sup>3</sup>	97 dB
Frequency Range <sup>4</sup>	40 ~ 350Hz
Minimum Impedance(Zmin)	7.5 ohm
Voice Coil Diameter	100mm / 4inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	25 mm
Number of layers	2(inside/outside)
Magnet gap depth	12 mm
Basket	Cast Aluminum
Flux Density	1.1 T
Magnet Out Diameter/Wgt	220mm / 125 oz

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

Resonance frequency	Fs	40 Hz
DC resistance	Re	5.2 ohm
Mechanical factor	Qms	8.7
Electrical factor	Qes	0.33
Total factor	Qts	0.32
Mechanical compliance of suspension losses	Cms	0.095 m/N
Effective Moving Mass	Rms	4.74mech-ohm
Half-space efficiency	Mms	163 g
BL Factor	Eff	1.81%
Equivalent Cas air load	BL	25.4 T.m
Effective piston area	Vas	95 liters
Max. linear excursion <sup>6</sup>	Sd	0.0845 m <sup>2</sup>
Voice coil inductance	Xmax	9 mm
Efficiency Bandwidth Product	Le1K	2.0 mH
	EBP	121

## MOUNTING INFORMATION

Overall Diameter	393 mm
Bolt Circle Diameter	375 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	356 mm
Overall Depth	179 mm
Net Weight	11.7 kg
Shipping Weight	12.7 kg
Shipping Box	420x420x205mm



## 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 with a high level 25Hz sine wave 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.