

S7115s

☀ 15 inch ☀ 700 Watts
☀ 97 dB ☀ 33 ~ 1500 Hz



KEY FEATURES:

- ① 1400 W continuous program power capacity
- ② 97dB Sensitivity 1w/1m
- ③ 33Hz ~1500Hz frequency response range
- ④ 4" inside/outside voice coil for improved power-handling and durability
- ⑤ Ventilated voice coil gap for reduced power compression
- ⑥ Kevlar impregnated cone to provide outstanding reliability, and performance
- ⑦ Ideal for compact bass-reflex subwoofer application

GENERAL SPECIFICATIONS

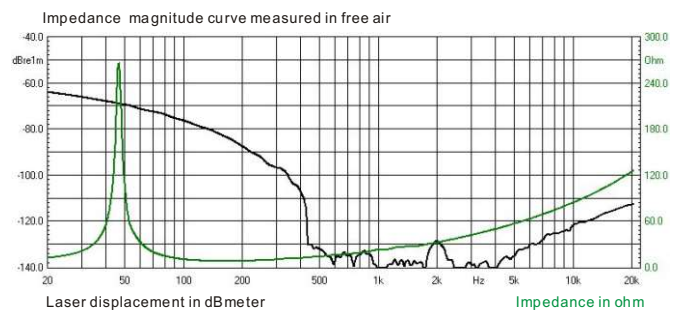
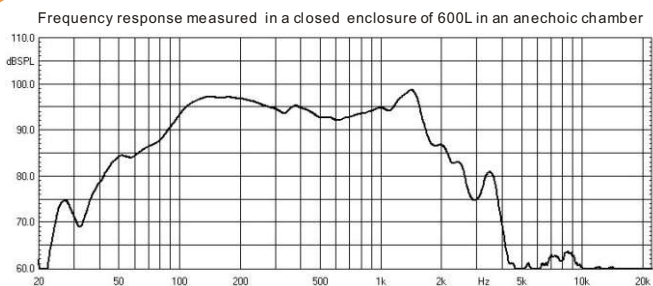
Nominal Diameter	380mm / 15inch
Rated Impedance	8 ohm
Nominal Power handling ¹	700 Watts
Program Power ²	1400 Watts
Sensitivity(1w/1m) ³	97 dB
Frequency Range ⁴	43 ~ 1500Hz
Minimum Impedance(Zmin)	7.6 ohm
Voice Coil Diameter	100mm / 4inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	24 mm
Number of layers	2(inside/outside)
Magnet gap depth	14 mm
Basket	Cast Aluminum
Flux Density	1.0 T
Magnet Out Diameter/Wgt	220mm / 125 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	46 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	15.8
Electrical factor	Qes	0.33
Total factor	Qts	0.32
Mechanical compliance	Cms	0.07 m/N
of suspension losses	Rms	3 mech-ohm
Effective Moving Mass	Mms	162 g
Half-space efficiency	Eff	2.3%
BL Factor	BL	27.9 T.m
Equivalent Cas air load	Vas	78 liters
Effective piston area	Sd	0.0881 m ²
Max. linear excursion ⁶	Xmax	9.5 mm
Voice coil inductance	Le1K	2.6 mH
Efficiency Bandwidth Product	EBP	139

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	12.4 kg
Shipping Weight	13.1 kg
Shipping Box	425x425x2 15mm



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.