S7118

☀ 18 inch ☀ 800 Watts
☀ 97 dB ☀ 32 ~ 1500 Hz

KEY FEATURES:

① 1600 W continuous program power capacity
② 97dB Sensitivity 1w/1m
③ 32Hz ~1500Hz frequency response range
④ 4" inside/outside voice coil for improved power-handling and durability
⑤ Double silicone spider with optimized compliance
⑥ Ventilated voice coil gap for reduced power compression
⑦ Ideal for compact bass-reflex subwoofer application

GENERAL SPECIFICATIONS

Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling[1]	800 Watts
Program Power[2]	1600 Watts
Sensitivity(1w/1m)[3]	97 dB
Frequency Range[4]	32 ~ 1500Hz
Minimum Impedance(Zmin)	6.6 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

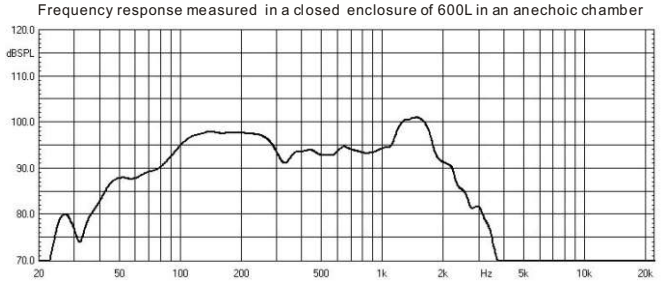
THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	35 Hz
DC resistance	Re	5.2 ohm
Mechanical factor	Qms	13
Electrical factor	Qes	0.37
Total factor	Qts	0.36
Mechanical compliance	Cms	0.1 m/N
Mechanical resistance of suspension losses	Rms	3.54mech-ohm
Effective Moving Mass	Mms	217 g
Half-space efficiency	Eff	2.2%
BL Factor	BL	26 T.m
Equivalent Cas air load	Vas	202 liters
Effective piston area	Sd	0.1225 m^2
Max. linear excursion[6]	Xmax	9 mm
Voice coil inductance	Le1K	2.3 mH
Efficiency Bandwidth Product	EBP	94

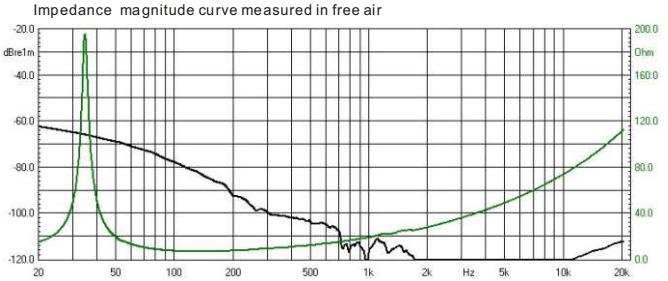
MOUNTING INFORMATION

Overall Diameter	461 mm
Bolt Circle Diameter	439 mm
Bolt Hole Diameter	6.5x9.5 mm
Baffle Cutout Diameter	424 mm
Overall Depth	197 mm
Net Weight	13 kg
Shipping Weight	14 kg
Shipping Box	500x500x2 50mm

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



Impedance magnitude curve measured in free air



Laser displacement in dBmeter

Impedance in ohm

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.