

# S7118

 VERIFIED WITH  
**KLIPPEL**

☀️ 18 inch    ☀️ 800 Watts  
 ☀️ 98 dB     ☀️ 32 ~ 1000 Hz



## KEY FEATURES:

- ① 1600W continuous program power capacity
- ② 98dB Sensitivity 1w/1m
- ③ 32Hz ~1000Hz frequency response range
- ④ 4" inside/outside voice coil for improved power-handling and durability
- ⑤ Double silicone spiders with optimized compliance
- ⑥ Ventilated voice coil gap for reduced power compression
- ⑦ Ideal for compact bass-reflex subwoofer application

## GENERAL SPECIFICATIONS

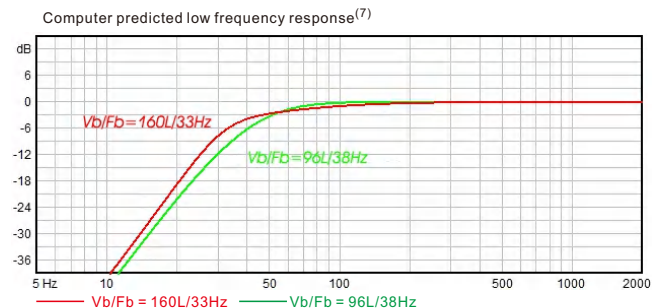
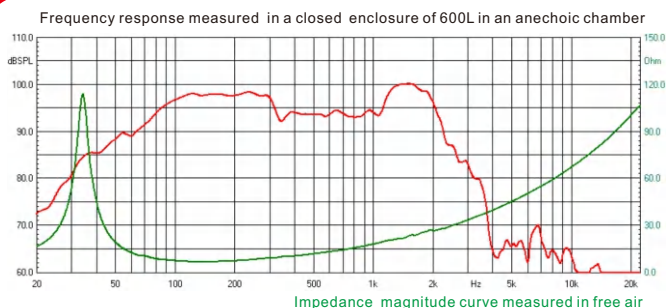
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	800 Watts
Program Power <sup>2</sup>	1600 Watts
Sensitivity(1w/1m) <sup>3</sup>	98 dB
Frequency Range <sup>4</sup>	32 ~ 1000Hz
Minimum Impedance(Zmin)	6.1 ohm
Voice Coil Diameter	100mm / 4inch
Voice Coil Material	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	36 Hz
DC resistance	Re	5.2 ohm
Mechanical factor	Qms	11.1
Electrical factor	Qes	0.37
Total factor	Qts	0.36
Mechanical compliance	Cms	0.10 mm/N
Mechanical resistance of total-driver losses	Rms	4.22kg/s
Effective Moving Mass	Mms	206 g
Half-space efficiency	Eff	2.5%
BL Factor	BL	26 T.m
Equivalent Cas air load	Vas	200 liters
Effective piston area	Sd	0.1231 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 9 mm
Max. excursion before damage	Xdam	±22.5mm
Voice coil inductance(1kHz)	Le	1.8 mH
Efficiency Bandwidth Product	EBP	97

## 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
Air volume occupied by driver	9.9 liters
Net Weight	13 kg
Shipping Weight	14.3 kg
Shipping Box	490x490x245mm



## 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 DA LPM module after an AES power preconditioning test and represent the expected long term parameters after a short term of use.
- 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.