

E2818



☀ 18 inch ☀ 1700 Watts
☀ 97 dB ☀ 36 ~ 500 Hz



KEY FEATURES:

- ① 3400 W continuous program power capacity
- ② 97dB Sensitivity 1w/1m
- ③ 36Hz ~500Hz frequency response range
- ④ 150mm(6") high temperature inside/outside copper voice coil
- ⑤ Bigger voice coil ensures bigger power
- ⑥ The use of highly resistant adhesives guarantees optimal cohesion and durability of components
- ⑦ Heavy duty ferrite magnet allows a powerful motor assembly
- ⑧ Optimized for the use in extremely high power subwoofer applications

GENERAL SPECIFICATIONS

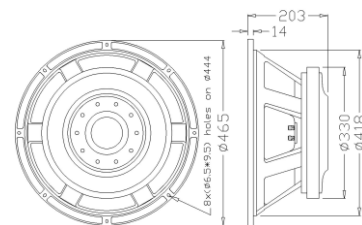
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling	1700 Watts
Program Power	3400 Watts
Sensitivity(1w/1m)	97 dB
Frequency Range	36 ~ 500Hz
Minimum Impedance(Zmin)	7.9 ohm
Voice Coil Diameter	150mm / 6inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	31 mm
Number of layers	2(inside/outside)
Magnetic gap depth	14 mm
Basket	Cast Aluminum
Flux Density	1.1 T
Magnet Out Diameter/Wgt	330mm / 333 oz

THIELE - SMALL PARAMETERS⁵

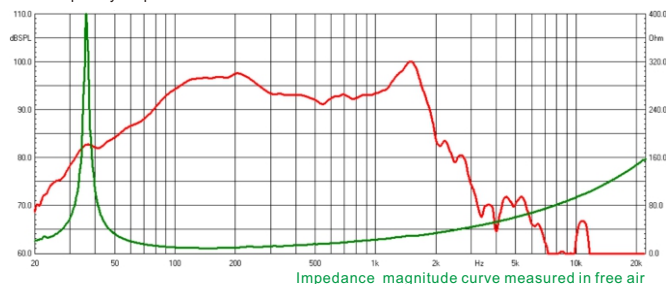
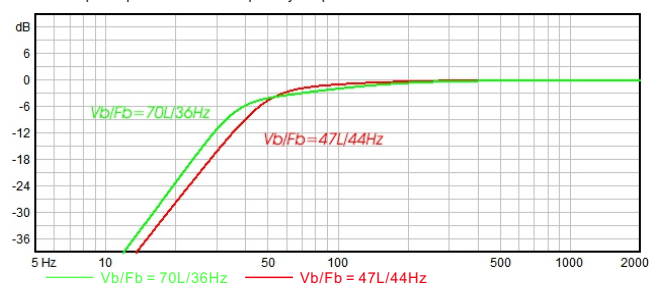
Resonance frequency	Fs	36 Hz
DC resistance	Re	5.8 ohm
Mechanical factor	Qms	16.8
Electrical factor	Qes	0.29
Total factor	Qts	0.28
Mechanical compliance	Cms	0.057mm/N
Mechanical resistance of total-driver losses	Rms	4.57 kg/s
Effective Moving Mass	Mms	340 g
Half-space efficiency	Eff	1.9 %
BL Factor	BL	40.5 T.m
Equivalent Cas air load	Vas	123 liters
Effective piston area	Sd	0.1231 m ²
Max. linear excursion ⁶	Xmax	±12 mm
Max. excursion before damage	Xdam	±20.5 mm
Voice coil inductance(1kHz)	Le	2.5 mH
Efficiency Bandwidth Product	EBP	125

MOUNTING INFORMATION

Overall Diameter	465 mm
Bolt Circle Diameter	444 mm
Bolt Hole Diameter	6.5x9.5 mm
Baffle Cutout Diameter	418 mm
Overall Depth	203 mm
Air volume occupied by driver	12 liters
Net Weight	28.5 kg
Shipping Weight	30 kg
Shipping Box	490x490x245mm



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

Computer predicted low frequency response⁽⁷⁾

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. Thiele-Small parameters are measured with Klippel DALPM module after 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.