

# J6018

☀ **18 inch** ☀ **1100 Watts**  
☀ **97 dB** ☀ **39 ~ 1000 Hz**



## KEY FEATURES:

- ① 2200 W continuous program power capacity
- ② 97dB Sensitivity 1w/1m
- ③ 39Hz ~1800Hz frequency response range
- ④ 115mm(4.5)" inside/outside copper voice coil
- ⑤ 29.6 T.m BL
- ⑥ UKM paper cone, special treat on cone
- ⑦ Ideal for compact bass-reflex enclosure

## GENERAL SPECIFICATIONS

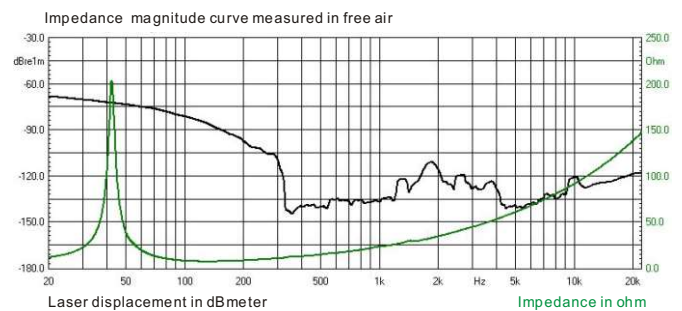
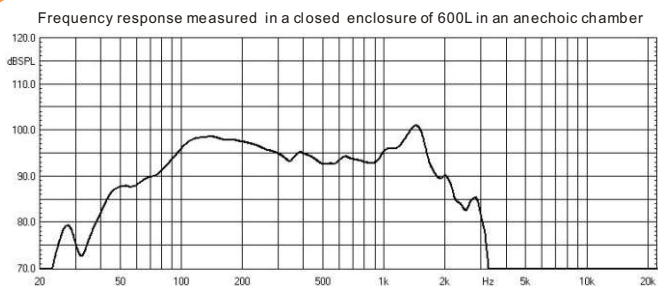
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	1100 Watts
Program Power <sup>2</sup>	2200 Watts
Sensitivity(1w/1m) <sup>3</sup>	97 dB
Frequency Range <sup>4</sup>	39 ~ 1000Hz
Minimum Impedance(Z <sub>m</sub> in)	6.9 ohm
Voice Coil Diameter	115mm / 4.5inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	32 mm
Number of layers	2(inside/outside)
Magnet gap depth	15 mm
Basket	Cast Aluminum
Flux Density	1.0 T
Magnet Out Diameter/Wgt	245mm / 190 oz

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

Resonance frequency	Fs	42 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	15
Electrical factor	Qes	0.41
Total factor	Qts	0.40
Mechanical compliance	Cms	0.0557 m/N
Mechanical resistance of suspension losses	Rms	4.42mech-ohm
Effective Moving Mass	Mms	254 g
Half-space efficiency	Eff	2.1%
BL Factor	BL	29.6 T.m
Equivalent Cas air load	Vas	121 liters
Effective piston area	Sd	0.12250 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	12 mm
Voice coil inductance	Le1K	2.79 mH
Efficiency Bandwidth Product	EBP	100

## MOUNTING INFORMATION

Overall Diameter	466.5 mm
Bolt Circle Diameter	442 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	423 mm
Overall Depth	215 mm
Net Weight	16 kg
Shipping Weight	17 kg
Shipping Box	500x500x240mm



## 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.