

J6112nd

- ☀ 12 inch
- ☀ 500 Watts
- ☀ 97 dB
- ☀ 45 ~ 3000 Hz



KEY FEATURES:

- ① 1000 W continuous program power capacity
- ② 97dB sensitivity 1w/1m
- ③ 86mm(3.5") inside/outside winding copper clad aluminum voice coil
- ④ Forced air ventilation on U-yoke for minimum power compression
- ⑤ Neodymium magnet allows a very light yet powerful motor assembly
- ⑥ Paper cone made in the U.S.A
- ⑦ Ideal for high quality compact 2 or 3-way systems

GENERAL SPECIFICATIONS

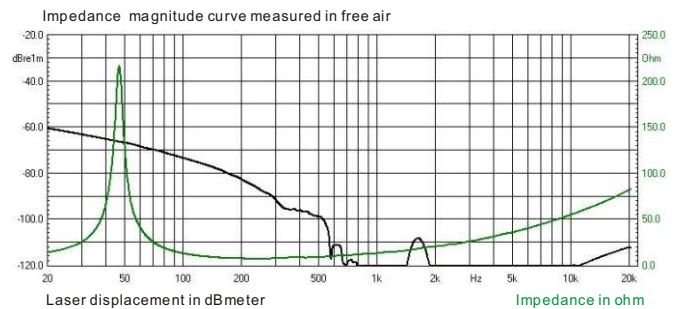
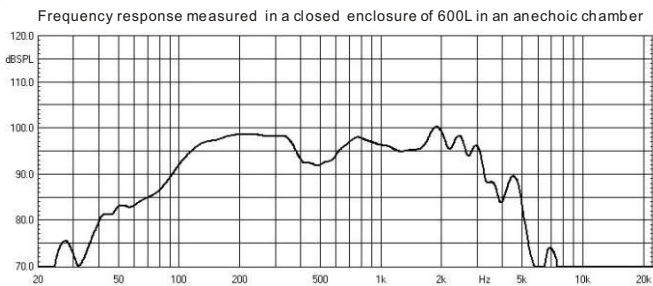
Nominal Diameter	300mm /12inch
Rated Impedance	8 ohm
Nominal Power handling ¹	500 Watts
Program Power ²	1000 Watts
Sensitivity(1w/1m) ³	97 dB
Frequency Range ⁴	45 ~ 3000Hz
Minimum Impedance(Zmin)	6.8 ohm
Voice Coil Diameter	86mm /3.5inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	16.5 mm
Number of layers	2(inside/outside)
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Material	Neodymium

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	47 Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	10.4
Electrical factor	Qes	0.28
Total factor	Qts	0.27
Mechanical compliance of suspension losses	Cms	0.17 mm/N
Effective Moving Mass	Mms	69 g
Half-space efficiency	Eff	2.4%
BL Factor	BL	20.3 T.m
Equivalent Cas air load	Vas	65 liters
Effective piston area	Sd	0.0531 m ²
Max. linear excursion ⁶	Xmax	6 mm
Voice coil inductance	Le1K	1.3 mH
Efficiency Bandwidth Product	EBP	167

MOUNTING INFORMATION

Overall Diameter	316 mm
Bolt Circle Diameter	297 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	283 mm
Overall Depth	153 mm
Net Weight	5.1 kg
Shipping Weight	5.8 kg
Shipping Box	345x345x1 80mm



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.