

# J6112nd



☀️ 12 inch ☀️ 500 Watts  
☀️ 97 dB ☀️ 55 ~ 3000 Hz



**KEY FEATURES:**

- ① 1000 W continuous program power capacity
- ② 97dB sensitivity 1w/1m
- ③ 86mm(3.4") 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 RDM paper cone, made in USA
- ⑦ Ideal for high quality compact 2 or 3-way systems

**GENERAL SPECIFICATIONS**

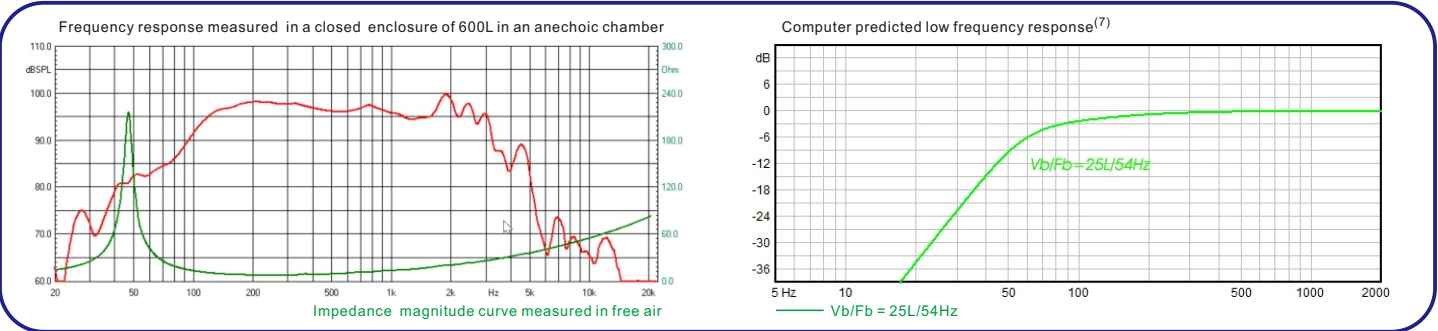
Nominal Diameter	300mm /12inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	500 Watts
Program Power <sup>2</sup>	1000 Watts
Sensitivity(1w/1m) <sup>3</sup>	97 dB
Frequency Range <sup>4</sup>	55 ~ 3000Hz
Minimum Impedance(Zmin)	6.4 ohm
Voice Coil Diameter	86mm /3.4inch
Voice Coil Material	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	1.1 T
Magnet Material	Neodymium

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

Resonance frequency	Fs	55 Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	18.3
Electrical factor	Qes	0.42
Total factor	Qts	0.41
Mechanical compliance	Cms	0.11 mm/N
Mechanical resistance of total-driver losses	Rms	1.47 kg/s
Effective Moving Mass	Mms	77.6 g
Half-space efficiency	Eff	1.7%
BL Factor	BL	18.8 T.m
Equivalent Cas air load	Vas	44 liters
Effective piston area	Sd	0.0531 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 6 mm
Max. excursion before damage	Xdam	±19 mm
Voice coil inductance(1kHz)	Le	0.96 mH
Efficiency Bandwidth Product	EBP	131

**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
Air volume occupied by driver	3.1 liters
Net Weight	5.1 kg
Shipping Weight	5.8 kg
Shipping Box	345x345x180mm



- 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 DA LPM module BEFORE 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.