

J6012

☀ **12 inch** ☀ **550 Watts**
☀ **97 dB** ☀ **45 ~ 3000 Hz**



KEY FEATURES:

- ① 1100 W continuous program power capacity
- ② Sensitivity: 97dB 1w/1m
- ③ 45~3000Hz frequency response range
- ④ 3.5" inside/outside winding voice coil with CCAW wire
- ⑤ M-roll cloth edge with deep corrugations for extended Xmax.
- ⑥ Paper cone made in the U.S.A
- ⑦ Idea for high quality compact 2 or 3-way systems

GENERAL SPECIFICATIONS

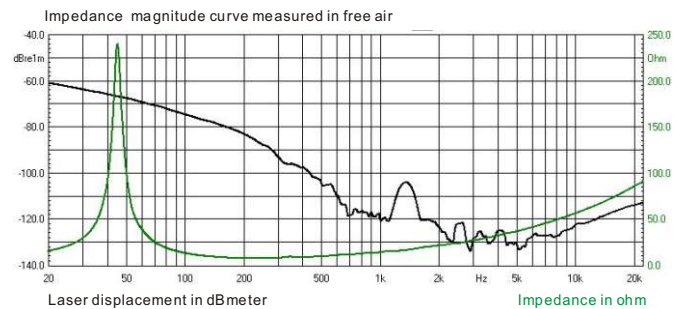
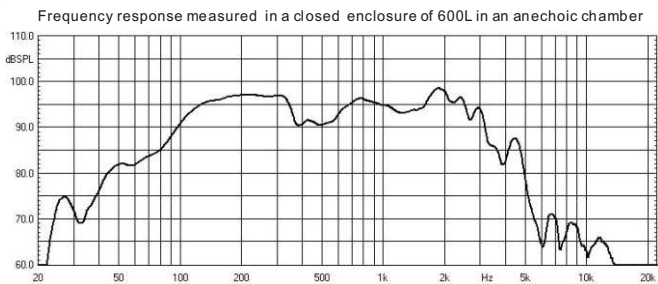
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|-------------------------------------|-------------------|
| Nominal Diameter | 300mm /12inch |
| Rated Impedance | 8 ohm |
| Nominal Power handling ¹ | 550 Watts |
| Program Power ² | 1100 Watts |
| Sensitivity(1w/1m) ³ | 97 dB |
| Frequency Range ⁴ | 45 ~ 3000Hz |
| Minimum Impedance(Zmin) | 7.3 ohm |
| Voice Coil Diameter | 86mm /3.5inch |
| Voice Coil Material | CCA W |
| Former Material | Glass Fiber |
| Voice Coil Winding Depth | 18.5 mm |
| Number of layers | 2(inside/outside) |
| Magnet gap depth | 10 mm |
| Basket | Cast Aluminum |
| Flux Density | 1.15 T |
| Magnet Outer Diameter / Wgt | 190mm / 95 oz |

THIELE - SMALL PARAMETERS⁵

| | | |
|------------------------------------|------|-----------------------|
| Resonance frequency | Fs | 45 Hz |
| DC resistance | Re | 5.6 ohm |
| Mechanical factor | Qms | 9.5 |
| Electrical factor | Qes | 0.26 |
| Total factor | Qts | 0.25 |
| Mechanical compliance | Cms | 0.16 mm/N |
| of suspension losses | Rms | 2.1 mech-ohm |
| Effective Moving Mass | Mms | 77 g |
| Half-space efficiency | Eff | 2.2% |
| BL Factor | BL | 22 T.m |
| Equivalent Cas air load | Vas | 62 liters |
| Effective piston area | Sd | 0.0531 m ² |
| Max. linear excursion ⁶ | Xmax | 6.7 mm |
| Voice coil inductance | Le1K | 1.4 mH |
| Efficiency Bandwidth Product | EBP | 180 |

MOUNTING INFORMATION

| | |
|------------------------|----------------|
| Overall Diameter | 316 mm |
| Bolt Circle Diameter | 297 mm |
| Bolt Hole Diameter | 6.5 mm |
| Baffle Cutout Diameter | 283 mm |
| Overall Depth | 145 mm |
| Net Weight | 7.4 kg |
| Shipping Weight | 8.1 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.