

J6118nd

- ☀ 18 inch
- ☀ 900 Watts
- ☀ 97 dB
- ☀ 30 ~ 1000 Hz



KEY FEATURES:

- ① 1800 W continuous program power capacity
- ② 97dB Sensitivity 1w/1m
- ③ 30Hz ~1000Hz frequency response range
- ④ 4.5" inside/outside voice coil for improved power-handling and durability
- ⑤ Forced air ventilation on U-yoke for minimum power compression
- ⑥ Neodymium magnet allows a very light yet powerful motor assembly
- ⑦ Double silicone spider with optimized compliance
- ⑧ Ideal for compact subwoofer application

GENERAL SPECIFICATIONS

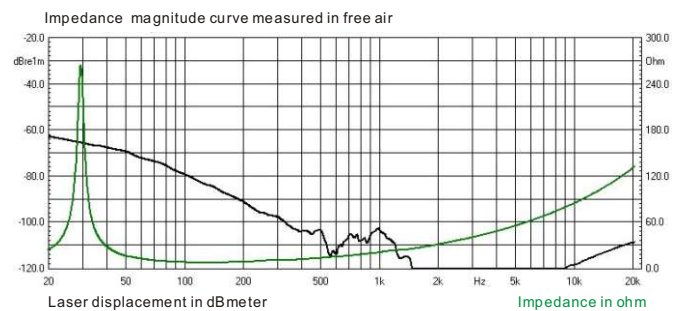
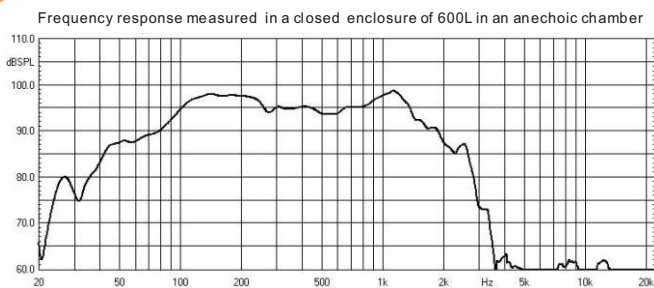
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|-------------------------------------|-------------------|
| Nominal Diameter | 460mm / 18inch |
| Rated Impedance | 8 ohm |
| Nominal Power handling ¹ | 900 Watts |
| Program Power ² | 1800 Watts |
| Sensitivity(1w/1m) ³ | 97 dB |
| Frequency Range ⁴ | 30 ~ 1000Hz |
| Minimum Impedance(Zmin) | 7.0 ohm |
| Voice Coil Diameter | 115mm / 4.5inch |
| Voice Coil Material | Copper |
| Former Material | Glass Fiber |
| Voice Coil Winding Depth | 31 mm |
| Number of layers | 2(inside/outside) |
| Magnet gap depth | 14 mm |
| Basket | Cast Aluminum |
| Flux Density | 1.1 T |
| Magnet Material | Neodymium |

THIELE - SMALL PARAMETERS⁵

| | | |
|--|------|-----------------------|
| Resonance frequency | Fs | 30 Hz |
| DC resistance | Re | 5.4 ohm |
| Mechanical factor | Qms | 15 |
| Electrical factor | Qes | 0.32 |
| Total factor | Qts | 0.31 |
| Mechanical compliance of suspension losses | Cms | 0.11 m/N |
| Effective Moving Mass | Rms | 3.2mech-ohm |
| Half-space efficiency | Mms | 265 g |
| BL Factor | Eff | 1.8% |
| Equivalent Cas air load | BL | 28.8 T.m |
| Effective piston area | Vas | 242 liters |
| Max. linear excursion ⁶ | Sd | 0.1250 m ² |
| Voice coil inductance | Xmax | 11 mm |
| Efficiency Bandwidth Product | Le1K | 2.4 mH |
| | EBP | 93 |

MOUNTING INFORMATION

| | |
|------------------------|---------------|
| Overall Diameter | 461 mm |
| Bolt Circle Diameter | 439 mm |
| Bolt Hole Diameter | 6.5x9.5 mm |
| Baffle Cutout Diameter | 424 mm |
| Overall Depth | 220 mm |
| Net Weight | 11.6 kg |
| Shipping Weight | 12.6 kg |
| Shipping Box | 500x500x250mm |



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.