

J6212

 VERIFIED WITH
KLIPPEL

☀️ 12 inch ☀️ 550 Watts
 ☀️ 98.5 dB ☀️ 55 ~ 2800 Hz



KEY FEATURES:

- ① 1100W continuous program power capacity
- ② 98.5dB sensitivity, 1w/1m
- ③ 55~2800Hz frequency response range
- ④ 100mm(4") high temperature CCAW voice coil
- ④ Aluminum demodulating ring for lower distortion
- ⑤ Heavy duty ferrite magnet for higher power handling and increased force factor
- ⑥ Ideal for compact 2 or 3-way systems

GENERAL SPECIFICATIONS

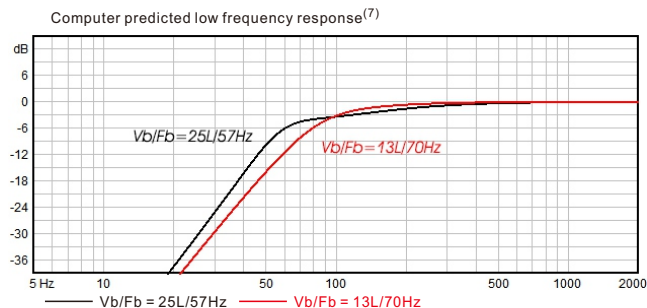
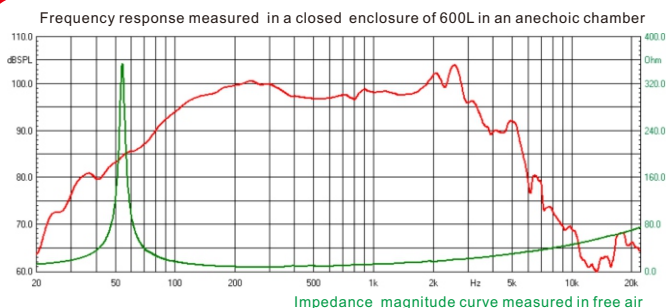
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|-------------------------------------|-------------------|
| Nominal Diameter | 300mm /12inch |
| Rated Impedance | 8 ohm |
| Nominal Power handling ¹ | 550 Watts |
| Program Power ² | 1100 Watts |
| Sensitivity(1w/1m) ³ | 98.5 dB |
| Frequency Range ⁴ | 55 ~ 2800 Hz |
| Minimum Impedance(Zmin) | 7 ohm |
| Voice Coil Diameter | 100mm /4inch |
| Voice Coil Material | CCA W |
| Former Material | Glass Fiber |
| Voice Coil Winding Depth | 19.5 mm |
| Number of layers | 2(inside/outside) |
| Magnet gap depth | 12 mm |
| Basket | Cast Aluminum |
| Flux Density | 1.1T |
| Magnet Out Diameter/Wgt | 220mm / 125 oz |

THIELE - SMALL PARAMETERS⁵

| | | |
|--|------|-----------------------|
| Resonance frequency | Fs | 55 Hz |
| DC resistance | Re | 5.4 ohm |
| Mechanical factor | Qms | 15.2 |
| Electrical factor | Qes | 0.270 |
| Total factor | Qts | 0.266 |
| Mechanical compliance | Cms | 0.11 mm/N |
| Mechanical resistance of total-driver losses | Rms | 1.7 kg/s |
| Effective Moving Mass | Mms | 75 g |
| Half-space efficiency | Eff | 2.7% |
| BL Factor | BL | 23.0 T.m |
| Equivalent Cas air load | Vas | 45 liters |
| Effective piston area | Sd | 0.0539 m ² |
| Max. linear excursion ⁶ | Xmax | ±6.8 mm |
| Max. excursion before damage | Xdam | ±18 mm |
| Voice coil inductance(1kHz) | Le | 0.83 mH |
| Efficiency Bandwidth Product | EBP | 204 |

MOUNTING INFORMATION

| | |
|-------------------------------|---------------|
| Overall Diameter | 313 mm |
| Bolt Circle Diameter | 294 mm |
| Bolt Hole Diameter | 6.5 mm |
| Baffle Cutout Diameter | 285 mm |
| Overall Depth | 125 mm |
| Air volume occupied by driver | 3.6 liters |
| Net Weight | 11 kg |
| Shipping Weight | 11.7 kg |
| Shipping Box | 345x345x170mm |



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.