

ND9412w

☀ 12 inch ☀ 550 Watts
☀ 96 dB ☀ 61 ~ 2800 Hz



KEY FEATURES:

- ① 1100 W continuous program power capacity
- ② Sensitivity: 96dB 1w/1m
- ③ 100mm(4") edgewound aluminum voice coil
- ④ Special treatment on cone in house for excellent performance
- ⑤ Neodymium magnet allows a light yet powerful motor assembly
- ⑥ Optimized for the use in line array systems or compact bass reflex enclosure

GENERAL SPECIFICATIONS

Nominal Diameter	300mm /12inch
Rated Impedance	16 ohm
Nominal Power handling ¹	550 Watts
Program Power ²	1100 Watts
Sensitivity(1w/1m) ³	96 dB
Frequency Range ⁴	61 ~ 2800Hz
Minimum Impedance(Zmin)	12.7 ohm
Voice Coil Diameter	100mm /4inch
Voice Coil Material	Flat Aluminum
Former Material	Fiberglass
Voice Coil Winding Depth	23 mm
Number of layers	1
Magnet gap depth	12 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Material	Neodymium

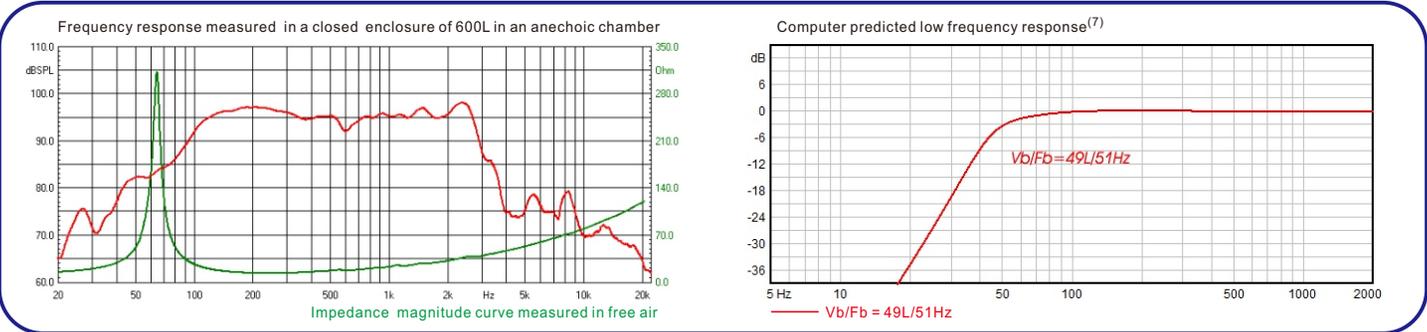
THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	64 Hz
DC resistance	Re	11 ohm
Mechanical factor	Qms	14
Electrical factor	Qes	0.51
Total factor	Qts	0.49
Mechanical compliance	Cms	0.07 mm/N
Mechanical resistance of total-driver losses	Rms	2.39 kg/s
Effective Moving Mass	Mms	82 g
Half-space efficiency	Eff	1.6%
BL Factor	BL	26.9 T.m
Equivalent Cas air load	Vas	31 liters
Effective piston area	Sd	0.0552 m ²
Max. linear excursion ⁶	Xmax	± 8 mm
Max. excursion before damage	Xdam	±19.5mm
Voice coil inductance(1kHz)	Le	2.1 mH
Efficiency Bandwidth Product	EBP	125

MOUNTING INFORMATION

Overall Diameter	313 mm
Bolt Circle Diameter	294 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	285 mm
Overall Depth	133 mm
Air volume occupied by driver	2.8 liters
Net Weight	7.6 kg
Shipping Weight	8.3 kg
Shipping Box	345x345x180mm

Also available in 8ohm, data upon request.



- 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 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.