

# NERO-12MWN400D

12" - Midwoofer - 800W - 96dB

AUDIENCE

- Proprietary cone paper material with manila pulp
- Strong neodymium motor
- 3" voice coil with APC (Advanced Polymer Coating)
- Interleaved Sandwich Voice coil technology
- Cast aluminium chassis
- Minimum damping fiber glass voice coil former
- Copper sleeve for low inductance and reduced distortion



## Dimensions & Weight

Overall Diameter	322.5 mm (12.7 in)
Bolt Circle Diameter	306.5 mm (12.06 in)
Baffle Cutout Diameter	287 mm (11.29 in)
Mounting Depth	133 mm (5.24 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Net Weight	4.15 Kg (9.15 lb)
Shipping Box	354 x 354 x 182 mm (13.93 x 13.93 x 7.16 in)
Gross Weight	5.3 Kg (11.68 lb)

## Recone Kit

1P0000PSB012

## NOTES :

- (1) AES standard, test mode with continuous pink noise signal (6 dB crest factor; 2 hours) within the  $F_0$  to  $10F_0$  power calculated on rated nominal impedance. Loudspeaker in free air
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3)  $X_{max} = ((\text{Winding depth} - \text{magnetic gap depth})/2) + (\text{magnetic gap depth}/3)$
- (4) Maximum excursion (p-p) before permanent damage
- (5) T/S parameters measured on drive units that are broken in using Klippel LPM Measurement System.

## Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	5.3 Ohm
AES Power Handling (1)	400 W
Maximum Power Handling (2)	800 W
Sensitivity (1W/1m)	96 dB
Frequency Range	66 - 6000 Hz
Voice Coil Diameter	75.6 mm (3 in), Interleaved sandwich
Winding Material	Copper
Former Material	Till
Winding Depth	17.6 mm
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.07 T
Magnet	Neodymium
Basket Material	Aluminium die cast
Demodulation	Extendend copper cap
Cone Surround	Triple roll with damping glue
NET Air Volume filled by driver	2.15 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

## Thiele Small Parameters

Fs	66 Hz
Re	5.4 Ohm
Qes	0.55
Qms	8.98
Qts	0.52
Vas	31.1 liters
Sd	543.3 cm <sup>2</sup>
Xmax (3)	7.13 mm
Xdamage (4)	18 mm
Mms	78.8 g
Bl	17.8 Tm
Le	0.19 mH
Cms	0.07 mm/N
Rms	3.63 Kg/s
Eta Zero	1.55 %
EBP	120

