

NERO-8MWN400D

8" - Midwoofer - 800W - 93.5dB

AUDIENCE



- Cast aluminum chassis
- Strong neodymium motor
- Vented motor for reduced compression
- Minimum damping fiber glass voice coil former
- Proprietary cone paper material with manila pulp
- Copper sleeve for low inductance and reduced distortion
- Bifilar 4 layer Voice coil for higher BL and reduced mass
- 2.4" copper clad aluminium voice coil with APC (Advanced Polymer Coating).

Dimensions & Weight

Overall Diameter	208 mm (8.19 in)
Bolt Circle Diameter	195 mm (7.68 in)
Baffle Cutout Diameter	180 mm (7.08 in)
Mounting Depth	100 mm (3.94 in)
Flange and Gasket Thickness	6.8 mm (0.27 in)
Net Weight	3 Kg (6.6 lb)
Shipping Box	233 x 233 x 140 mm (9.18 x 9.18 x 5.5 in)
Gross Weight	3.6 Kg (7.94 lb)

Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	5.2 Ohm
AES Power Handling (1)	400 W
Maximum Power Handling (2)	800 W
Sensitivity (1W/1m) (3)	93.5 dB
Frequency Range	62 - 8700 Hz
Voice Coil Diameter	60.6 mm (2.4 in)
Winding Material	Copper clad aluminium
Former Material	Till
Winding Depth	16 mm
Magnetic Gap Depth	8 mm (0.4 in)
Flux Density	0.85 T
Magnet	Neodymium
Basket Material	Aluminium die cast
Demodulation	Extended copper cap
Cone Surround	Triple roll with damping glue
NET Air Volume filled by driver	4.4 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

Thiele Small Parameters

Fs	63 Hz
Re	5.2 Ohm
Qes	0.41
Qms	4.07
Qts	0.38
Vas	13.9 liters
Sd	208.7 cm ²
Xmax (4)	6.7 mm
Xdamage (5)	22 mm
Mms	28.4 g
Bl	11.9 Tm
Le	0.25 mH
Cms	0.23 mm/N
Rms	2.75 Kg/s
Eta Zero	0.81 %
EBP	154

NOTES :

- (1) AES standard, test mode with continuous pink noise signal (6 dB crest factor; 2 hours) within the Fo to 10Fo power calculated on rated nominal impedance. Loudspeaker in free air
- (2) Maximum power is defined as 3dB greater than nominal power
- (3) Measured average within the frequency range (100Hz - 2kHz)
- (4) $X_{max} = ((\text{Winding depth} - \text{magnetic gap depth})/2) + (\text{magnetic gap depth}/3)$
- (5) Maximum excursion (p-p) before permanent damage
- (6) T/S parameters measured on drive units that are broken in

