

# NERO-15SW800

15" - Subwoofer - 800W - 96dB

AUDIENCE

- Proprietary cone paper material with silk cotton tree and manila pulp
- Minimum damping fiber glass voice coil former
- 4.5" voice coil with APC (Advanced Polymer Coating)
- Cast aluminium chassis
- Vented pole piece for reduced compression
- Double spider for high stability suspension
- Cooling device on head yoke for increased heat transfer



## Dimensions & Weight

Overall Diameter	404 mm (15.89 in)
Bolt Circle Diameter	380 mm (14.96 in)
Baffle Cutout Diameter	361.4 mm (14.22 in)
Mounting Depth	177.7 mm (6.99 in)
Flange and Gasket Thickness	15 mm (0.59 in)
Net Weight	16.34 Kg (36.02 lb)
Shipping Box	425 x 425 x 232 mm (16.72 x 16.72 x 9.13 in)
Gross Weight	18 Kg (39.68 lb)

## Recone Kit

1P0000PSB019

## 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	5.2 Ohm
AES Power Handling (1)	800 W
Maximum Power Handling (2)	1600 W
Sensitivity (1W/1m)	96 dB
Frequency Range	31 - 2500 Hz
Voice Coil Diameter	113 mm (4.5 in)
Winding Material	Copper
Former Material	FIBSV
Winding Depth	33.2 mm
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	0.93 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	Aluminium cooling device
Cone Surround	Triple roll
NET Air Volume filled by driver	6.45 liters
Spider Profile	Dual constant height waves
Weather Resistant	Yes

## Thiele Small Parameters

Fs	31 Hz
Re	5.3 Ohm
Qes	0.36
Qms	7.59
Qts	0.34
Vas	137 liters
Sd	860.5 cm <sup>2</sup>
Xmax (3)	14.27 mm
Xdamage (4)	30 mm
Mms	207.2 g
BI	24.4 Tm
Le	2.08 mH
Cms	0.13 mm/N
Rms	5.25 Kg/s
Eta Zero	1.05 %
EBP	86

