

# NERO-18SW1100D

AUDIENCE

18" -Subwoofer - 1100W - 99dB

- Proprietary cone paper material with silk cotton tree
- Double spider high stability suspension
- Cooling device on yoke for improved heat transfer
- 5" voice coil with APC (Advanced Polymer Coating)
- Shorting ring in motor system for reduced distortion
- Cast aluminium chassis



## Dimensions & Weight

Overall Diameter	483 mm (19.0 in)
Bolt Circle Diameter	456 mm (18.0 in)
Baffle Cutout Diameter	426 mm (16.77 in)
Mounting Depth	212.7 mm (8.37 in)
Flange and Gasket Thickness	16.5 mm (0.6 in)
Net Weight	20.7 Kg (45.54 lb)
Shipping Box	498 x 498 x 270 mm (19.60 x 19.60 x 10.62 in)
Gross Weight	23.4 Kg (51.58 lb)

## Replacement Diaphragm

N/A

## 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 Ohm
AES Power Handling (1)	1100 W
Maximum Power Handling (2)	2200 W
Sensitivity (1W/1m)	99 dB
Frequency Range	36 - 3000 Hz
Voice Coil Diameter	127 mm (5 in)
Winding Material	AISV Copper Wire
Former Material	FIBSV
Winding Depth	28.2 mm
Magnetic Gap Depth	12 mm (0.47 in)
Flux Density	1.12 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	Aluminium shorting ring and Aluminium cooling device
Cone Surround	Triple roll
NET Air Volume filled by driver	10.49 liters
Spider Profile	Double constant height waves
Weather Resistant	Yes

## Thiele Small Parameters

Fs	36 Hz
Re	5 Ohm
Qes	0.34
Qms	11.83
Qts	0.33
Vas	153.1 liters
Sd	1256.6 cm <sup>2</sup>
Xmax (3)	12.20 mm
Xdamage (4)	25 mm
Mms	294 g
Bl	30.9 Tm
Le	1.36 mH
Cms	0.07 mm/N
Rms	5.54 Kg/s
Eta Zero	1.91 %
EBP	106

