

NERO-18SW1900D

18" - Subwoofer - 3800W - 95dB

AUDIENCE

- Low distortion double magnet motor
- Large 4.5" interleaved sandwich voice coil technology
- Long linear excursion 17.5 mm one way
- Double spider high stability suspension
- Shorting ring in motor system for reduced distortion
- Cooling device on yoke for increased heat transfer
- Optimized for bass punch



Dimensions & Weight

Overall Diameter	470 mm (18.5 in)
Bolt Circle Diameter	455 mm (17.9 in)
Baffle Cutout Diameter	430 mm (16.9 in)
Mounting Depth	242 mm (9.5 in)
Flange and Gasket Thickness	14.15 mm (0.6 in)
Net Weight	22.4 Kg (49.3 lb)
Shipping Box	509 x 497 x 308 mm (20.1 x 19.6 x 12.1 in)
Gross Weight	24.9 Kg (54.9 lb)

Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	5.2 Ohm
AES Power Handling (1)	1900 W
Maximum Power Handling (2)	3800 W
Sensitivity (1W/1m)	95 dB
Frequency Range	33 - 3100 Hz
Voice Coil Diameter	113 mm (4.5 in)
Winding Material	AISV Copper Wire
Former Material	FIBSV
Winding Depth	39.5 mm
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	1.05 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	13.95 liters
Spider Profile	Double constant height waves
Weather Resistant	Yes

Thiele Small Parameters

Fs	34 Hz
Re	5.3 Ohm
Qes	0.43
Qms	15.68
Qts	0.42
Vas	157.9 liters
Sd	1256.6 cm ²
Xmax (3)	17.5 mm
Xdamage (4)	54 mm
Mms	307.6 g
Bl	28.5 Tm
Le	1.59 mH
Cms	0.07 mm/N
Rms	4.21 Kg/s
Eta Zero	1.4 %
EBP	79

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) Xmax= ((Winding depth - magnetic gap depth)/2) +(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.

