

NERO-15SW800

15" - Subwoofer - 800W - 97dB

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 back plate 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) |

Replacement Diaphragm

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|-----|
| N/A |
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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) $X_{max} = ((\text{Winding depth} - \text{magnetic gap depth}) / 2) + (\text{magnetic gap depth} / 3)$
- (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) | 97 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 ² |
| 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 |

