

ROSSO-15SW800

15" - Subwoofer - 800W - 99dB

AUDIENCE

- Proprietary cone paper material made in-house
- Minimum damping fiber glass voice coil former
- 4" voice coil with APC (Advanced Polymer Coating)
- Ribbon voice coil wire for high efficiency
- Cast aluminium chassis
- Vented back plate for reduced compression



Dimensions & Weight

Overall Diameter	394 mm (15.5 in)
Bolt Circle Diameter	378 mm (14.87 in)
Baffle Cutout Diameter	361.4 mm (14.22 in)
Mounting Depth	168.5 mm (6.63 in)
Flange and Gasket Thickness	14.9 mm (0.59 in)
Net Weight	11.63 Kg (23.26 lb)
Shipping Box	425 x 425 x 232 mm (16.73 x 16.73 x 9.13 in)
Gross Weight	13.5 Kg (29.10 lb)

Replacement Diaphragm

N/A

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)	99 dB
Frequency Range	45 - 4600 Hz
Voice Coil Diameter	99.2 mm (4 in)
Winding Material	Flat copper clad aluminium
Former Material	Till
Winding Depth	25.7 mm
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.03 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	-
Cone Surround	Double half roll
NET Air Volume filled by driver	5.53 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

Thiele Small Parameters

Fs	45 Hz
Re	5.2 Ohm
Qes	0.48
Qms	9.99
Qts	0.46
Vas	87.6 liters
Sd	850.1 cm ²
Xmax (3)	11.28 mm
Xdamage (4)	18 mm
Mms	143.6 g
Bl	21.1 Tm
Le	1.18 mH
Cms	0.09 mm/N
Rms	4.1 Kg/s
Eta Zero	1.64 %
EBP	94

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.

