

ROSSO-15SW800

15" - Subwoofer - 800W - 97dB

AUDIENCE

- Proprietary cone paper material
- 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)

Recone Kit

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)	97 dB
Frequency Range	39 - 3600 Hz
Voice Coil Diameter	99.2 mm (4 in)
Winding Material	Flat copper clad aluminium
Former Material	Till
Winding Depth	25.9 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	39 Hz
Re	5.2 Ohm
Qes	0.45
Qms	10.64
Qts	0.44
Vas	140 liters
Sd	850.1 cm ³
Xmax (3)	11.28 mm
Xdamage (4)	23 mm
Mms	120.9 g
BL	18.4 N/A
Le	0.91 mH
Cms	0.14 mm/N
Rms	2.8 Kg/s
Eta Zero	1.75 %
EBP	86

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

