

ROSSO-18SW800

AUDIENCE

18" - Subwoofer - 800W - 99dB

- Proprietary cone paper material with silk cotton tree
- 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
- Cooling device on yoke for increased heat transfer



Dimensions & Weight

Overall Diameter	470 mm (18.5 in)
Bolt Circle Diameter	454 mm (17.9 in)
Baffle Cutout Diameter	425 mm (16.73 in)
Mounting Depth	205.5 mm (8.09 in)
Flange and Gasket Thickness	14.5 mm (0.6 in)
Net Weight	12.7 Kg (27.94 lb)
Shipping Box	498 x 498 x 270 mm (19.60 x 19.60 x 10.66 in)
Gross Weight	15.4 Kg (33.95 lb)

Recone Kit

N/A

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) $X_{max} = ((Winding\ depth - magnetic\ gap\ depth)/2) + (magnetic\ gap\ depth/3)$
- (4) Maximum excursion (p-p) before permanent damage

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	32 - 3200 Hz
Voice Coil Diameter	99.2 mm (4 in)
Winding Material	Copper clad Aluminium
Former Material	FIBSV
Winding Depth	26 mm
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.03 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	Aluminium cooling device
Cone Surround	Double half roll
NET Air Volume filled by driver	7.80 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

Thiele Small Parameters

Fs	33 Hz
Re	5.2 Ohm
Qes	0.5
Qms	9.8
Qts	0.48
Vas	282 liters
Sd	1256 cm ³
Xmax (3)	11.33 mm
Xdamage (4)	23 mm
Mms	186.2 g
BL	19.9 N/A
Le	0.90 mH
Cms	0.13 mm/N
Rms	3.9 Kg/s
Eta Zero	1.89 %
EBP	66

