

# ROSSO-18SW750

AUDIENCE

18" - Subwoofer - 750W - 99dB

- Proprietary cone paper material with silk cotton tree
- Minimum damping fiber glass voice coil former
- 4.5" 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	483 mm (19.00 in)
Bolt Circle Diameter	456 mm (17.94 in)
Baffle Cutout Diameter	428 mm (16.85 in)
Mounting Depth	213.5 mm (8.40 in)
Flange and Gasket Thickness	16.5 mm (0.65 in)
Net Weight	16.34 Kg (36.02 lb)
Shipping Box	498 x 498 x 270 mm (19.60 x 19.60 10.62 in)
Gross Weight	19 Kg (41.88 lb)

## Recone Kit

N/A

## NOTES :

- (1) AES standard, test mode with continuous pink noise signal (6 dB crest factor; 2 hours) within the  $F_0$  to  $10F_0$  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

## Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	5.2 Ohm
AES Power Handling (1)	750 W
Maximum Power Handling (2)	1500 W
Sensitivity (1W/1m)	99 dB
Frequency Range	34 - 4100 Hz
Voice Coil Diameter	113 mm (4.4 in)
Winding Material	Flat copper clad aluminium
Former Material	Till
Winding Depth	22.3 mm
Magnetic Gap Depth	14 (0.55 in)
Flux Density	0.93 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	-
Cone Surround	Double half roll
NET Air Volume filled by driver	9.66 liters
Spider Profile	Constant height waves
Weather Resistant	Yes

## Thiele Small Parameters

Fs	34 Hz
Re	5.2 Ohm
Qes	0.43
Qms	10.33
Qts	0.41
Vas	229.5 liters
Sd	1256.6 cm <sup>2</sup>
Xmax (3)	8.82 mm
Xdamage (4)	19 mm
Mms	208.1 gr
BL	23.3 N/A
Le	1.14 mH
Cms	1.10 mm/N
Rms	4.3 Kg/s
Eta Zero	2.07 %
EBP	80

