

# ROSSO-21SW800

21" - Subwoofer - 800W - 99dB

AUDIENCE

- 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	540 mm (21.3 in)
Bolt Circle Diameter	518 mm (20.4 in)
Baffle Cutout Diameter	490 mm (19.29 in)
Mounting Depth	230 mm (9.05 in)
Flange and Gasket Thickness	15.4 mm (0.6 in)
Net Weight	16.7 Kg (36.74 lb)
Shipping Box	553 x 553 x 271 mm (21.72 x 21.72 x 10.66 in)
Gross Weight	18.9 Kg (41.66 lb)

## Recone Kit

1P000OLKL079

## 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

## Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	6.2 Ohm
AES Power Handling (1)	800 W
Maximum Power Handling (2)	1600 W
Sensitivity (1W/1m)	99 dB
Frequency Range	34 - 3200 Hz
Voice Coil Diameter	113 mm (4.5 in)
Winding Material	Copper clad aluminium wire
Former Material	FIBSV
Winding Depth	27.5 mm
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	0.95 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	-
Cone Surround	Double half roll with damping glue
NET Air Volume filled by driver	11.52 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

## Thiele Small Parameters

Fs	33 Hz
Re	6.2 Ohm
Qes	0.57
Qms	9.67
Qts	0.54
Vas	318.5 liters
Sd	1662 cm <sup>2</sup>
Xmax (3)	11.42 mm
Xdamage (4)	33 mm
Mms	277 g
BL	25.2 N/A
Le	1.45 mH
Cms	0.08 mm/N
Rms	6 Kg/s
Eta Zero	2.01 %
EBP	58

