

# ROSSO-21SW800

AUDIENCE

21" - Subwoofer - 1600W - 98dB

- 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 pole piece 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	586 x 586 x 296 mm (23.07 x 23.07 x 11.65 in)
Gross Weight	20.2 Kg (44.53 lb)

## Recone kit

1P0000PSB027

## 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
- (5) T/S parameters measured on drive units that are broken in using Klippel LPM Measurement System.

## 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)	98 dB
Frequency Range	38 - 3200 Hz
Voice Coil Diameter	113 mm (4.5 in)
Winding Material	Flat copper clad aluminium
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	38 Hz
Re	6.4 Ohm
Qes	0.8
Qms	14.41
Qts	0.76
Vas	224.4 liters
Sd	1661.9 cm <sup>2</sup>
Xmax(3)	11.42 mm
Xdamage (4)	35 mm
Mms	301.4 g
Bl	24.1 Tm
Le	1.82 mH
Cms	0.06 mm/N
Rms	5.03 Kg/s
Eta Zero	1.51 %
EBP	48

