

# ROSSO-15MW500

AUDIENCE

15" - Midwoofer - 1000W - 100dB

- 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 pole piece for reduced compression
- Triple roll surround for extended excursion



## Dimensions & Weight

Overall Diameter	394 mm (15.51 in)
Bolt Circle Diameter	378 mm (14.88 in)
Baffle Cutout Diameter	361.5 mm (14.23 in)
Mounting Depth	153.5 mm (6.04 in)
Flange and Gasket Thickness	15 mm (0.59 in)
Net Weight	11.2 Kg (24.69 lb)
Shipping Box	428 x 428 x 209 mm (16.85 x 16.85 x 8.22 in)
Gross Weight	12.5 Kg (27.55 lb)

## Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	5.6 Ohm
AES Power Handling (1)	500 W
Maximum Power Handling (2)	1000 W
Sensitivity (1W/1m)	100 dB
Frequency Range	42 - 3700 Hz
Voice Coil Diameter	99.2 mm (4 in)
Winding Material	Flat copper clad aluminium
Former Material	Till
Winding Depth	20.1 mm
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.16 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	-
Cone Surround	Triple roll
NET Air Volume filled by driver	5.08 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

## Thiele Small Parameters

Fs	42 Hz
Re	5.6 Ohm
Qes	0.35
Qms	9.39
Qts	0.33
Vas	121.3 liters
Sd	865.7 cm <sup>2</sup>
Xmax (3)	8.38 mm
Xdamage (4)	22 mm
Mms	127.1 g
Bl	23.2 Tm
Le	1.37 mH
Cms	0.11 mm/N
Rms	3.55 Kg/s
Eta Zero	2.45 %
EBP	120

## Recone Kit

1P000OPSB016

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

