

ROSSO-15MW500

AUDIENCE

15" - Midwoofer - 500W - 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
- 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) | 99 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 ² |
| Xmax (3) | 8.38 mm |
| Xdamage (4) | 20 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 |

Replacement Diaphragm

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) Xmax= ((Winding depth - magnetic gap depth)/2) +(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.

