

ROSSO-6MW150D

6" - Midwoofer - 300W - 94dB

AUDIENCE

- Proprietary cone paper material with manila pulp and graphite
- Proprietary cone coating for controlled breakup
- Extended midrange performance
- Shorting ring in motor system for reduced distortion
- Minimum damping fiber glass voice coil former
- Cast aluminium chassis



Dimensions & Weight

Overall Diameter	162.7 mm (6.40 in)
Bolt Circle Diameter	168.5 mm (6.63 in)
Baffle Cutout Diameter	147.5 mm (5.8 in)
Mounting Depth	84 mm (3.30 in)
Flange and Gasket Thickness	5.5 mm (0.21 in)
Net Weight	2.62 Kg (5.77 lb)
Shipping Box	178 x 178 x 135 mm (7.0 x 7.0 x 5.31 in)
Gross Weight	2.92 Kg (6.43 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) $X_{max} = (Winding\ depth - magnetic\ gap\ depth) / 2 + (magnetic\ gap\ depth) / 3$
- (4) Maximum excursion (p-p) before permanent damage
- (5) T/S parameters measured on drive units that are broken in

Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	5.4 Ohm
AES Power Handling (1)	150 W
Maximum Power Handling (2)	300 W
Sensitivity (1W/1m)	94 dB
Frequency Range	66 - 5000 Hz
Voice Coil Diameter	49.5 mm (2 in)
Winding Material	Copper
Former Material	Till
Winding Depth	12.15 mm
Magnetic Gap Depth	5 mm (0.19 in)
Flux Density	1.31 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	Aluminium shorting ring
Cone Surround	Rubber single half roll
NET Air Volume filled by driver	0.92 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

Thiele Small Parameters

F_s	66 Hz
R_e	5.4 Ohm
Q_{es}	0.33
Q_{ms}	9.24
Q_{ts}	0.32
V_{as}	8.8 liters
S_d	145.3 cm ²
X_{max} (3)	5.24 mm
X_{damage} (4)	16 mm
M_{ms}	19.4 g
BI	11.6 Tm
L_e	0.39 mH
C_{ms}	0.3 mm/N
R_{ms}	0.88 Kg/s
η_{Zero}	0.76 %
EBP	200

