

ROSSO-12MW300

12" - Midwoofer - 300W - 100dB

AUDIENCE

- Proprietary cone paper material with silk cotton tree
- 3" Interleaved Sandwich Voice coil
- Cast aluminium chassis
- Minimum damping fiber glass voice coil former
- CCAW voice coil for reduced moving mass
- Vented back plate for reduced compression



Dimensions & Weight

Overall Diameter	322.5 mm (12.69 in)
Bolt Circle Diameter	306.5 mm (12.06 in)
Baffle Cutout Diameter	289 mm (11.37 in)
Mounting Depth	125.3 mm (4.93 in)
Flange and Gasket Thickness	11.8 mm (0.46 in)
Net Weight	7.6 Kg (16.75 lb)
Shipping Box	354 x 354 x 182 mm (13.93 x 13.93 x 7.16 in)
Gross Weight	8.69 Kg (19.15 lb)

Replacement Diaphragm

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) $X_{max} = ((\text{Winding depth} - \text{magnetic gap depth})/2) + (\text{magnetic gap depth}/3)$
- (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	5.2 Ohm
AES Power Handling (1)	300 W
Maximum Power Handling (2)	600 W
Sensitivity (1W/1m)	100 dB
Frequency Range	48 - 5160 Hz
Voice Coil Diameter	75.6 mm (3 in)
Winding Material	Copper clad Aluminium
Former Material	Till
Winding Depth	16.7 mm
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.22 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	-
Cone Surround	Double half roll
NET Air Volume filled by driver	2.64 liters
Spider Profile	Single downroll constant height waves
Weather Resistant	Yes

Thiele Small Parameters

Fs	48 Hz
Re	5.2 Ohm
Qes	0.28
Qms	12.1
Qts	0.27
Vas	85.9 liters
Sd	543.3 cm ²
Xmax (3)	6.68 mm
Xdamage (4)	19 mm
Mms	54.3 g
BI	17.4 Tm
Le	0.73 mH
Cms	0.21 mm/N
Rms	1.34 Kg/s
Eta Zero	3.21 %
EBP	171

