

ROSSO-15W400

AUDIENCE

15" - Woofer - 800W - 102dB

- Proprietary cone paper material with silk cotton tree
- Minimum damping fiber glass voice coil former
- 3" 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	394 mm (15.5 in)
Bolt Circle Diameter	378 mm (14.87 in)
Baffle Cutout Diameter	361.4 mm (14.22 in)
Mounting Depth	155.5 mm (6.12 in)
Flange and Gasket Thickness	14.9 mm (0.59 in)
Net Weight	8.7 Kg (19.18 lb)
Shipping Box	425 x 425 x 232 mm (16.73 x 16.73 x 9.13 in)
Gross Weight	10.5 Kg (23.15 lb)

Recone Kit

1P0000PSB015

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)	400 W
Maximum Power Handling (2)	800 W
Sensitivity (1W/1m)	102 dB
Frequency Range	44 - 5200 Hz
Voice Coil Diameter	75.5 mm (3 in)
Winding Material	Flat copper clad aluminium
Former Material	Till
Winding Depth	19.85 mm
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.33 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	-
Cone Surround	Double half roll
NET Air Volume filled by driver	4.37 liters
Spider Profile	Constant height waves
Weather Resistant	Yes

Thiele Small Parameters

F_s	44 Hz
R_e	5.2 Ohm
Q_{es}	0.34
Q_{ms}	11.15
Q_{ts}	0.33
V_{as}	140.1 liters
S_d	907.9 cm ²
X_{max} (3)	8.26 mm
X_{damage} (4)	22 mm
M_{ms}	107.6 g
BI	21.5 Tm
L_e	1 mH
C_{ms}	0.12 mm/N
R_{ms}	2.68 Kg/s
η_{Zero}	3.46 %
EBP	129

