

BIANCO-12MW200

12" - Midwoofer - 200W - 98dB

AUDIENCE



- Proprietary cone paper material with silk cotton tree and manila pulp
- 2.4" voice coil with APC (Advanced Polymer Coating)
- Vented back plate for reduced compression
- Minimum damping fiber glass voice coil former
- Long life silver lead wires
- Weather-proof coated cone/paper

Dimensions & Weight

Overall Diameter	306 mm (12.05 in)
Bolt Circle Diameter	295 mm (11.61 in)
Baffle Cutout Diameter	278 mm (10.94 in)
Mounting Depth	126 mm (4.96 in)
Flange and Gasket Thickness	7 mm (0.27 in)
Net Weight	5.05 Kg (12.12 lb)
Shipping Box	354 x 354 x 182 mm (13.93 x 13.93 x 7.16 in)
Gross Weight	6.59 Kg (14.52 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) $X_{max} = ((\text{Winding depth} - \text{magnetic gap depth})/2) + (\text{magnetic gap depth}/3)$
- (4) Maximum excursion (p-p) before permanent damage

Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	6.1 Ohm
AES Power Handling (1)	200 W
Maximum Power Handling (2)	400 W
Sensitivity (1W/1m)	98 dB
Frequency Range	50 - 5200 Hz
Voice Coil Diameter	60.5 mm (2.38 in)
Winding Material	Copper
Former Material	Till
Winding Depth	16.6 mm
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.23 T
Magnet	Ferrite
Basket Material	Stamped steel
Demodulation	-
Cone Surround	Double half roll with damping glue
NET Air Volume filled by driver	2.39 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

Thiele Small Parameters

F_s	50 Hz
R_e	5.2 Ohm
Q_{es}	0.4
Q_{ms}	14.47
Q_{ts}	0.39
V_{as}	68.7 liters
S_d	543.3 cm ³
X_{max} (3)	6.97 mm
X_{damage} (4)	20 mm
M_{ms}	59.1 g
BL	15.7 N/A
L_e	0.73 mH
C_{ms}	0.17 mm/N
R_{ms}	1.3 Kg/s
η_{ta} Zero	2.19 %
EBP	125

