

# BIANCO-120B150

12" - Open Baffle Woofer - 150W - 97dB

**AUDIENCE**

- Proprietary cone paper material with silk cotton tree and manila pulp
- Minimum damping fiber glass voice coil former
- 2.4" voice coil
- Long life silver lead wires
- Weather-proof coated cone paper
- Designed for open baffle applications



## Dimensions & Weight

Overall Diameter	305 mm (12.0 in)
Bolt Circle Diameter	294 mm (11.57 in)
Baffle Cutout Diameter	276 mm (10.86 in)
Mounting Depth	122.5 mm (4.82 in)
Flange and Gasket Thickness	9.6 mm (0.37 in)
Net Weight	3.6 Kg (7.92 lb)
Shipping Box	354 x 354 x 182 mm (13.93 x 13.93 x 7.16 in)
Gross Weight	4.69 Kg (10.33 lb)

## Replacement Diaphragm

N/A
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## 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	7.2 Ohm
AES Power Handling (1)	150 W
Maximum Power Handling (2)	300 W
Sensitivity (1W/1m)	97 dB
Frequency Range	43 - 5300 Hz
Voice Coil Diameter	60.5 mm (2.4 in)
Winding Material	Copper
Former Material	Till
Winding Depth	16.25 mm
Magnetic Gap Depth	8 mm (0.3 in)
Flux Density	0.89 T
Magnet	Ferrite
Basket Material	Stamped steel
Demodulation	-
Cone Surround	Double half roll with damping glue
NET Air Volume filled by driver	2.04 liters
Spider Profile	Single constant height waves
Weather Resistant	Yes

## Thiele Small Parameters

Fs	43 Hz
Re	7.2 Ohm
Qes	0.66
Qms	3.06
Qts	0.54
Vas	99.2 liters
Sd	539.1 cm <sup>2</sup>
Xmax (3)	6.79 mm
Xdamage (4)	18 mm
Mms	55.7 g
Bl	12.9 Tm
Le	1.14 mH
Cms	0.24 mm/N
Rms	4.97 Kg/s
Eta Zero	1.18 %
EBP	65

