

BIANCO-18SW450

18" - Subwoofer - 450W - 102dB

AUDIENCE

- Proprietary cone paper material with silk cotton tree
- 3" voice coil with APC (Advanced Polymer Coating)
- Minimum damping fiber glass voice coil former
- Cast aluminium chassis
- Vented back plate for reduced compression
- Weather-proof coated cone paper
- Triple roll surround allows long excursion



Dimensions & Weight

Overall Diameter	470 mm (18.5 in)
Bolt Circle Diameter	455 mm (17.9 in)
Baffle Cutout Diameter	426 mm (16.77 in)
Mounting Depth	189.5 mm (7.46 in)
Flange and Gasket Thickness	13.5 mm (0.6 in)
Net Weight	9.05 Kg (25.52 lb)
Shipping Box	504 x 504 x 248 mm (19.84 x 19.84 x 9.76 in)
Gross Weight	11.4 Kg (31.30 lb)

Specs :

Nominal Impedance	8 Ohm
Minimum Impedance	5 Ohm
AES Power Handling (1)	450 W
Maximum Power Handling (2)	900 W
Sensitivity (1W/1m)	102 dB
Frequency Range	28 - 3000 Hz
Voice Coil Diameter	75.5 mm (3 in)
Winding Material	Copper
Former Material	Till
Winding Depth	25.2 mm
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.24 T
Magnet	Ferrite
Basket Material	Aluminium die cast
Demodulation	-
Cone Surround	Triple roll
NET Air Volume filled by driver	7.32
Spider Profile	Single constant height waves
Weather Resistant	Yes

Thiele Small Parameters

Fs	28 Hz
Re	5 Ohm
Qes	0.47
Qms	8.39
Qts	0.45
Vas	370.4 liters
Sd	1244.1 cm ²
Xmax (3)	10.93 mm
Xdamage (4)	27 mm
Mms	190.3 g
Bl	18.8 Tm
Le	1.37 mH
Cms	0.17 mm/N
Rms	4 Kg/s
Eta Zero	1.66 %
EBP	60

Replacement Diaphragm

N/A

NOTES :

- (1) AES standard, test mode with continuous pink noise signal (6 dB crest factor; 2 hours) within the Fo to 10Fo 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.

