

BIANCO-18SW450

AUDIENCE

18" - Subwoofer - 450W - 100dB

- 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)

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	5.9 Ohm
AES Power Handling (1)	450 W
Maximum Power Handling (2)	900 W
Sensitivity (1W/1m)	100 dB
Frequency Range	27 - 3000 Hz
Voice Coil Diameter	75.5 mm (3 in)
Winding Material	Copper
Former Material	TiI
Winding Depth	25.2
Magnetic Gap Depth	10 (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	27 Hz
Re	5.0 Ohm
Qes	0.4
Qms	6.11
Qts	0.38
Vas	423 liters
Sd	1244 cm ³
Xmax (3)	10.93 mm
Xdamage (4)	30 mm
Mms	173.5 gr
BL	19.3 N/A
Le	0.98 mH
Cms	0.2 mm/N
Rms	4.9 Kg/s
Eta Zero	2.09 %
EBP	68

