

BIANCO-12CX200



12" - Coaxial - Single Motor - 200W- 96dB

Preliminary data

- Proprietary cone paper material with silk cotton tree and manila pulp made in-house
- Integrated High-energy ferrite magnet structure for correct time alignment
- Non-Conducting fibre glass voice coil former for minimum damping
- Voice coil with APC (Advanced Polymer Coating) treatment for improved power handling
- Shorting ring in motor system for reduced distortion
- Ribbon voice coil wire for high efficiency for HF driver
- Constan directivity
- Shallow profile design for compact enclosure
- Long life silver lead wires
- Weather-proof coated conepaper
- Natural sounding detailed mids and highs with punchy bass



Dimensions & Weight

Overall Diameter	306 mm (12.04 in)
Bolt Circle Diameter	295 mm (11.61 in)
Baffle Cutout Diameter	278 mm (10.94 in)
Mounting Depth	148.9 mm (5.89 in)
Flange and Gasket Thickness	9.25 mm (0.36 in)
Net Weight	5.26 Kg (11.57 lb)
Shipping Box	327 x 327 x 206 mm (12.87 x 12.87 x 8.11 in)
Gross Weight	6.06 Kg (13.06 lb)

Recone Kit

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) $X_{max} = (Winding\ depth - magnetic\ gap\ depth) / 2 + (magnetic\ gap\ depth) / 3$
- (4) Maximum excursion (p-p) before permanent damage

Specs :

	LF Unit	HF Unit
Nominal Impedance	8 Ohm	8 Ohm
Minimum Impedance	5.2 Ohm	6.2 Ohm
AES Power Handling (1)	200 W	50 W
Maximum Power Handling (2)	400 W	100 W
Sensitivity (1W/1m)	96 dB	107 dB
Frequency Range	60 - 6000 Hz	1840 - 20000 Hz
Voice Coil Diameter	60.5 mm (2.4 in)	44.3 mm (1.7 in)
Winding Material	Copper	Copper
Former Material	Till	Kapton
Winding Depth	14 mm	2.25 mm
Magnetic Gap Depth	8 mm (0.3 in)	2.5 mm (0.098 in)
Flux Density	0.92 T	1.5 T
Diaphragm Material	-	KAPTON
Magnet	Ferrite	-
Basket Material	Stamped steel	-
Demodulation	-	-
Cone Surround	Double half roll with damping glue	-
NET Air Volume filled by driver	- liters	-
Spider Profile	Single constant height waves	-
Weather Resistant	Yes	

Thiele Small Parameters

Fs	50 Hz
Re	5.2 Ohm
Qes	0.63
Qms	9.27
Qts	0.59
Vas	99 liters
Sd	540 cm ³
Xmax (3)	5.67 mm
Xdamage (4)	18.4 mm
Mms	46.5 g
BL	11.2 N/A
Le	0.7 mH
Cms	0.22 mm/N
Rms	1.6 Kg/s
Eta Zero	1.93 %
EBP	80

