BIANCO-6CXN80

6" - Coaxial - Single Motor - 80W- 92dB

Preliminary data

SB AUDIENCE

- Proprietary cone paper material with fiberglass made in-house
- Strong and lightweight neodymium integrated magnetic structure for correct time alignment
- Ribbon voice coil wire for high efficiency for HF driver
- Non-Conducting fibre glass voice coil former for minimum damping
- Voice coil with APC (Advanced Polymer Coating) treatment for improved power handling
- Constan directivity
- Shallow profile design for compact enclosure
- Shorting ring in motor system for reduced distortion
- Long life silver lead wires
- Weather-proof coated conepaper
- Detailed mids and high

Dimensions & Weight

Overall Diameter	176 mm (6.92 in)
Bolt Circle Diameter	165 mm (6.49 in)
Baffle Cutout Diameter	146.5 mm (5.76 in)
Mounting Depth	93.9 mm (3.69 in)
Flange and Gasket Thickness	5.8 mm (0.22 in)
Net Weight	0.98 Kg (2.16 lb)
Shipping Box	198 x 198 x 141 mm (7.20 x 16.65 x 8.42 in)
Gross Weight	- Kg (- lb)

Recone Kit

N/A

Specs :

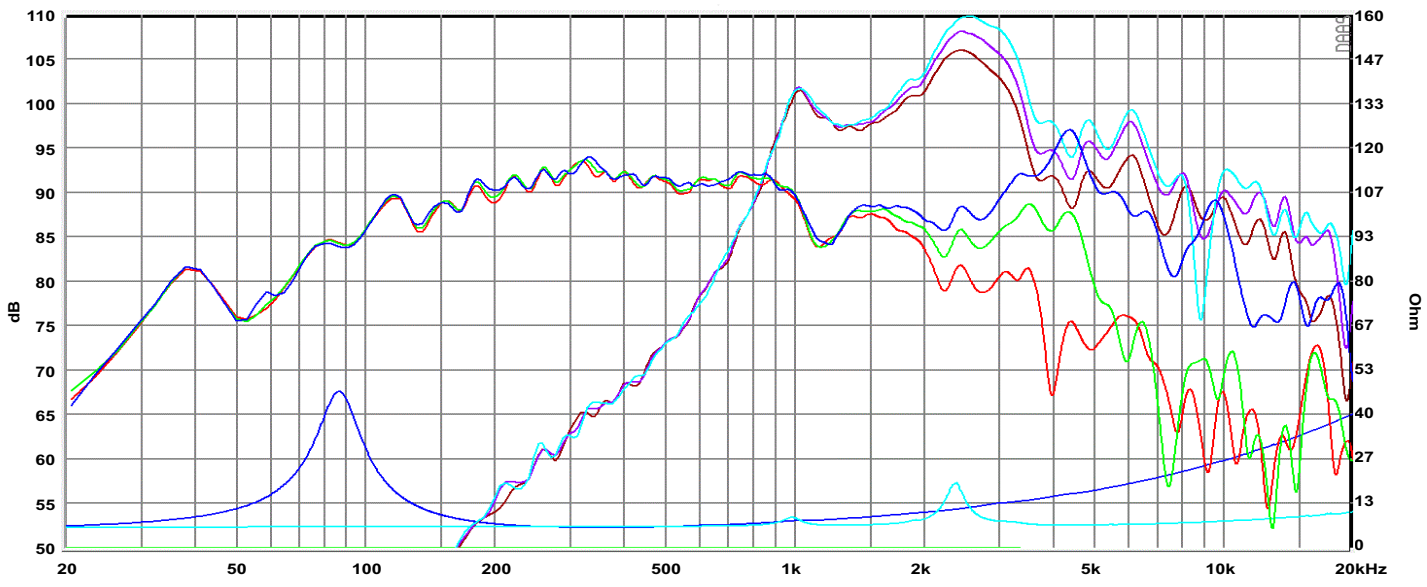
	LF Unit	HF Unit
Nominal Impedance	8 Ohm	8 Ohm
Minimum Impedance	5.2 Ohm	6 Ohm
AES Power Handling (1)	80 W	30 W
Maximum Power Handling (2)	160 W	60 W
Sensitivity (1W/1m)	92 dB	92 dB
Frequency Range	84 - 10600 Hz	1250 - 20000 Hz
Voice Coil Diameter	38.5 mm (1.5 in)	34.4 mm (1.4 in)
Winding Material	Copper	Flat copper clad aluminium
Former Material	Till	Kapton
Winding Depth	13.5 mm	2 mm
Magnetic Gap Depth	6 mm (0.24 in)	2.5 mm (0.098 in)
Flux Density	1.25 T	1.4 T
Diaphragm Material	-	PEEK
Magnet	Neodymium	-
Basket Material	Plastic injection	-
Demodulation	-	-
Cone Surround	Triple roll	-
NET Air Volume filled by driver	0.4 liters	-
Spider Profile	Single constant height waves	
Weather Resistant	No	

Thiele Small Parameters

Fs	84 Hz
Re	5.2 Ohm
Qes	0.51
Qms	4.22
Qts	0.46
Vas	6.3 liters
Sd	134.8 cm³
Xmax (3)	5.75 mm
Xdamage (4)	14.2 mm
Mms	14.4 g
BL	8.8 N/A
Le	0.45 mH
Cms	0.25 mm/N
Rms	1.8 Kg/s
Eta Zero	0.71 %
EBP	-

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) Xmax= ((Winding depth - magnetic gap depth)/2) +(magnetic gap depth/3)
(4) Maximum excursion (p-p) before permanent damage



(IEC baffle, mic. distance 31.6 cm, SPL shown for 2.83 V / 1 m)

Response Curve : (Woofer) ------ (Blue) : on axis ------ (Green) : 30° off-axis ------ (Red) : 60° off-axis
(Tweeter) ------ (Blue) : on axis ------ (Purple) : 30° off-axis ------ (Brown) : 60° off-axis