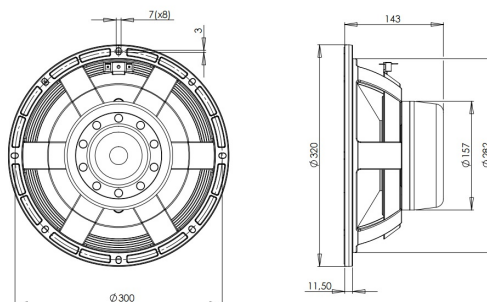


12NBX100

8Ω

LF Drivers - 12.0 Inches

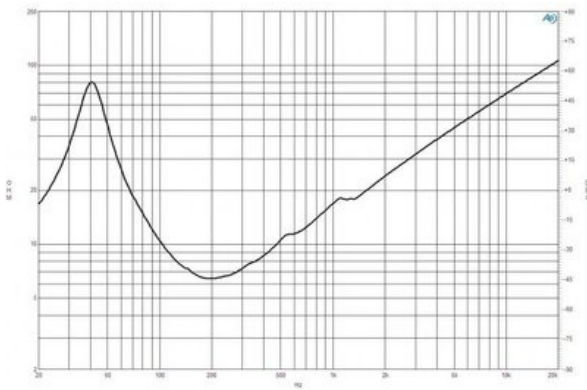
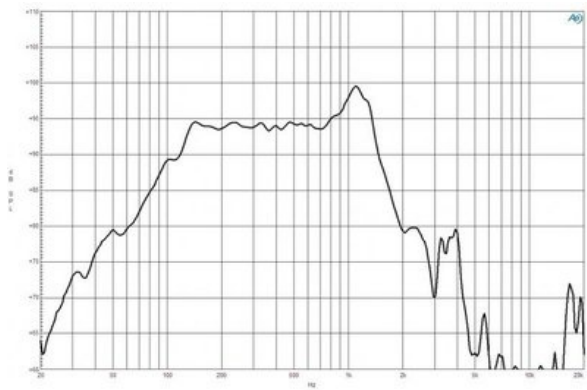


- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 40 - 1500 Hz response
- 96 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



12NBX100

LF Drivers- 12.0 Inches



SPECIFICATIONS

Nominal Diameter	320 mm (12.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Nominal Power Handling ¹	1000 W
Continuous Power Handling ²	2000 W
Sensitivity ³	96.0 dB
Frequency Range	40 - 1500 Hz
Voice Coil Diameter	100 mm (4.0 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25.0 mm (1.0 in)
Magnetic Gap Depth	11.0 mm (0.43 in)
Flux Density	1.1 T

DESIGN

Surround Shape	Triple Roll
Cone Shape	Exponential
Magnet Material	Neodymium Ring
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	40.0 dm ³ (1.41 ft ³)
Recommended Tuning	50 Hz

PARAMETERS⁴

Resonance Frequency	41 Hz
Re	5.1 Ω
Qes	0.24
Qms	3.9
Qts	0.22
Vas	51.0 dm ³ (1.8 ft ³)
Sd	531.0 cm ² (82.0 in ²)
η_o	1.45 %
Xmax	10.0 mm
Xvar	10.0 mm
Mms	117.0 g
Bl	25.6 Txm
Le	1.9 mH
EBP	170 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	320 mm (12.6 in)
Bolt Circle Diameter	300 mm (11.8 in)
Baffle Cutout Diameter	280.0 mm (11.0 in)
Depth	143 mm (5.63 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Air Volume Occupied by Driver	4.0 dm ³ (0.14 ft ³)
Net Weight	8.0 kg (17.6 lb)
Shipping Units	1
Shipping Weight	8.9 kg (19.62 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

SERVICE KIT

RCK12NBX1008

- 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated nominal impedance. Loudspeaker in free air.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
- Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

B&C Speakers s.p.a.

Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) - ITALY - Tel. +39 055 65721 - Fax +39 055 6572312 - mail@bcspeakers.com