12NBX100 8 Ω

Woofer

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





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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SPECIFICATIONS

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.5 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**1000 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**2000 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**96 dB**
Frequency Range	**40 Hz - 1500 Hz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**25 mm (1 in)**
Magnetic Gap Depth	**11 mm (0.43 in)**
Flux Density	**1.1 T**
Woofer Cone Treatment	**TWP Waterproof Both Sides**

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	**41 Hz**
Re	**5.1 Ω**
Qes	**0.24**
Qms	**3.9**
Qts	**0.22**
Vas	**51 dm^3 (1.8 ft^3)**
Sd	**531 cm^2 (82 in^2)**
η0	**1.45 %**
Xmax	**10 mm**
Xvar	**10 mm**
Mms	**117 g**
Bl	**25.6 Tm**
Le	**1.9 mH**
EBP	**171 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Exponential**
Magnet Material	**Neodymium Inside Slug**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**
Recommended Enclosure	**40 dm^3 (1.41 ft^3)**
Recommended Tuning	**50 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**320 mm (12.6 in)**
Bolt Circle Diameter	**300 mm (11.8 in)**
Baffle Cutout Diameter	**280 mm (11 in)**
Depth	**143 mm (5.63 in)**
Flange and Gasket Thickness	**12 mm (0.47 in)**
Air Volume Occupied by Driver	**4 dm^3 (0.14 ft^3)**
Net Weight	**8.25 kg (18.19 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9.15 kg (20.17 lb)**
Shipping Box	**360x360x200 mm (14.17x14.17x7.87 in)**

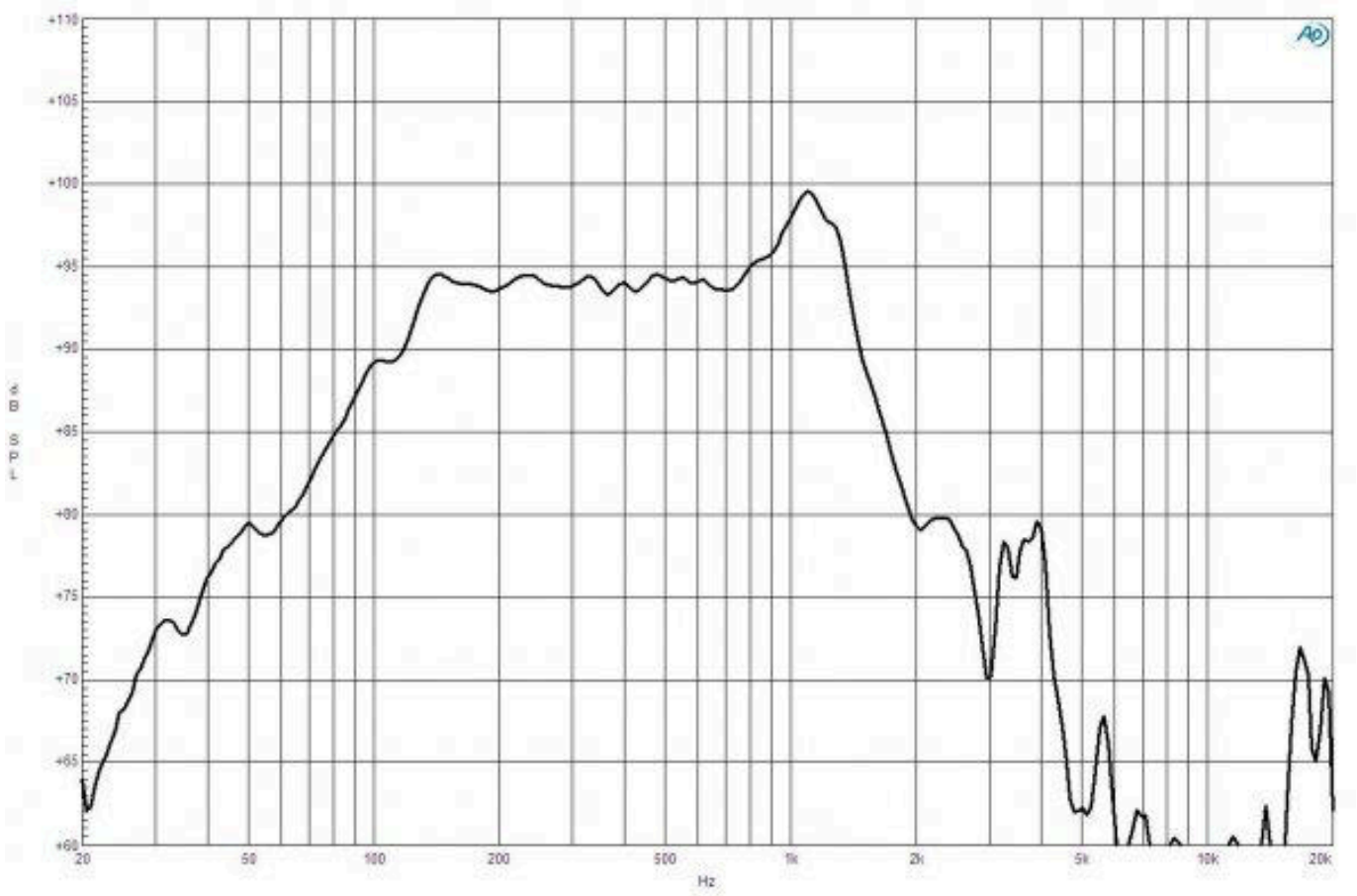
SERVICE KITS

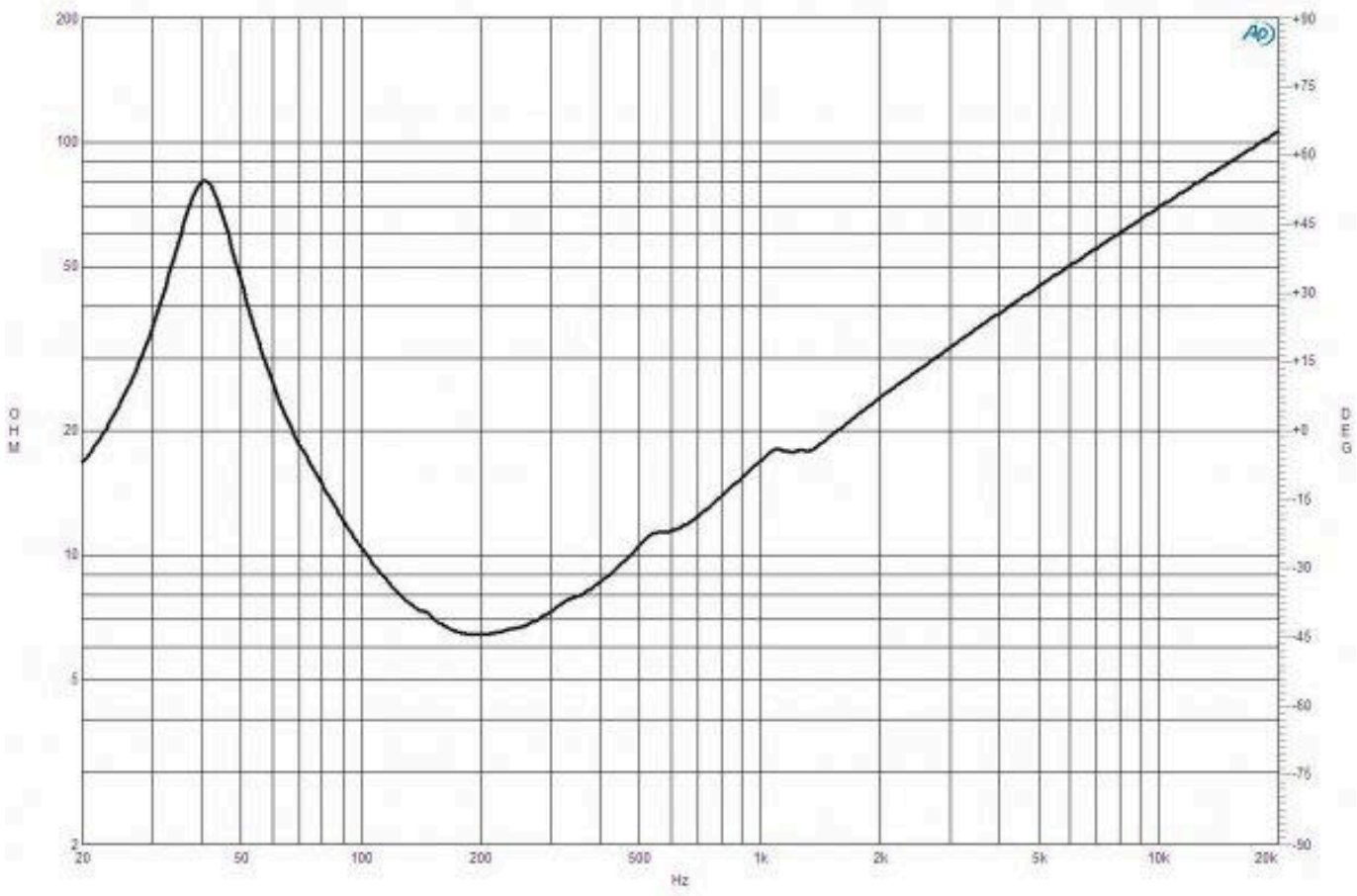
LF recone-kits	**RCK12NBX1008**

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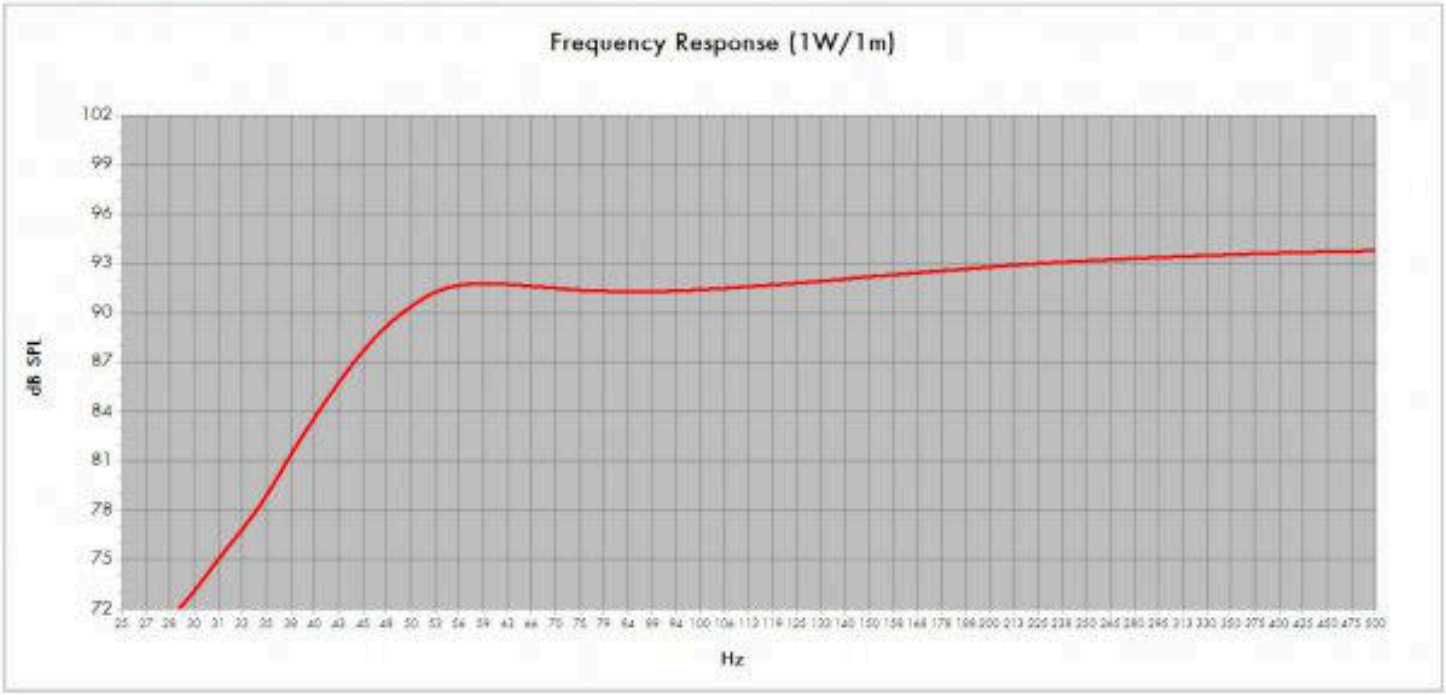




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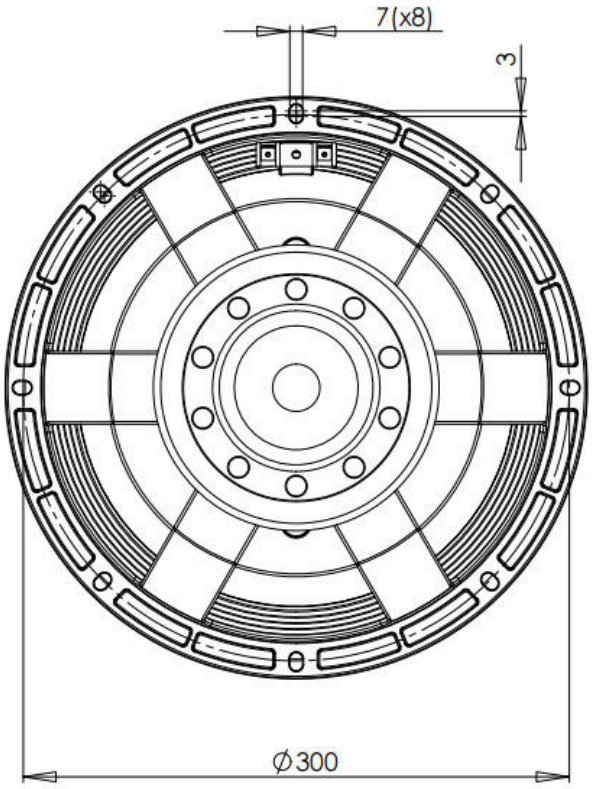
Model:	12NBX100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	40	QB:	5
Tuning Frequency (Hz):	50	Port Area (cm²):	138,7
Frequency (-3 dB) (Hz):	52,2	Port Length (cm):	30,2

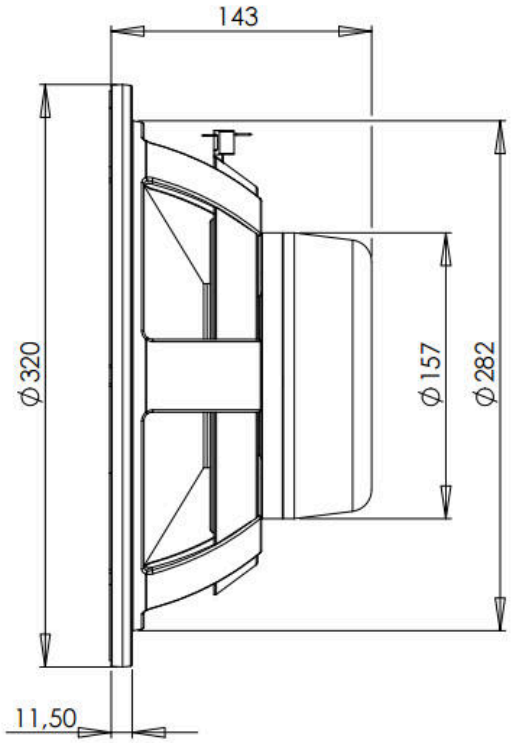
Excursion Limited Maximum SPL at 1 meter (dB): 120,4 equal to 543,8 Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): 124,0 equal to 1000,0 Watts (Mid Band Power Rating)

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