15NBX100 8 Ω

Woofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1500 Hz response
- 97 dB sensitivity
- 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
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

15NBX100 8 Ω

Woofer

SPECIFICATIONS

Nominal Diameter	**380 mm (15 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.4 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.	**97 dB**
Frequency Range	**35 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	**36 Hz**
Re	**5.1 Ω**
Qes	**0.31**
Qms	**4.2**
Qts	**0.29**
Vas	**125 dm^3 (4.4 ft^3)**
Sd	**855 cm^2 (132.5 in^2)**
η0	**2 %**
Xmax	**10 mm**
Xvar	**10 mm**
Mms	**151 g**
Bl	**25 Tm**
Le	**2 mH**
EBP	**116 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	**114 dm^3 (4 ft^3)**
Recommended Tuning	**35 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**393 mm (15.5 in)**
Bolt Circle Diameter	**374 mm (16.7 in)**
Baffle Cutout Diameter	**353 mm (13.9 in)**
Depth	**179 mm (7.05 in)**
Flange and Gasket Thickness	**14 mm (0.55 in)**
Air Volume Occupied by Driver	**6 dm^3 (0.21 ft^3)**
Net Weight	**9.55 kg (21.05 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9.85 kg (21.72 lb)**
Shipping Box	**425x425x224 mm (16.73x16.73x8.82 in)**

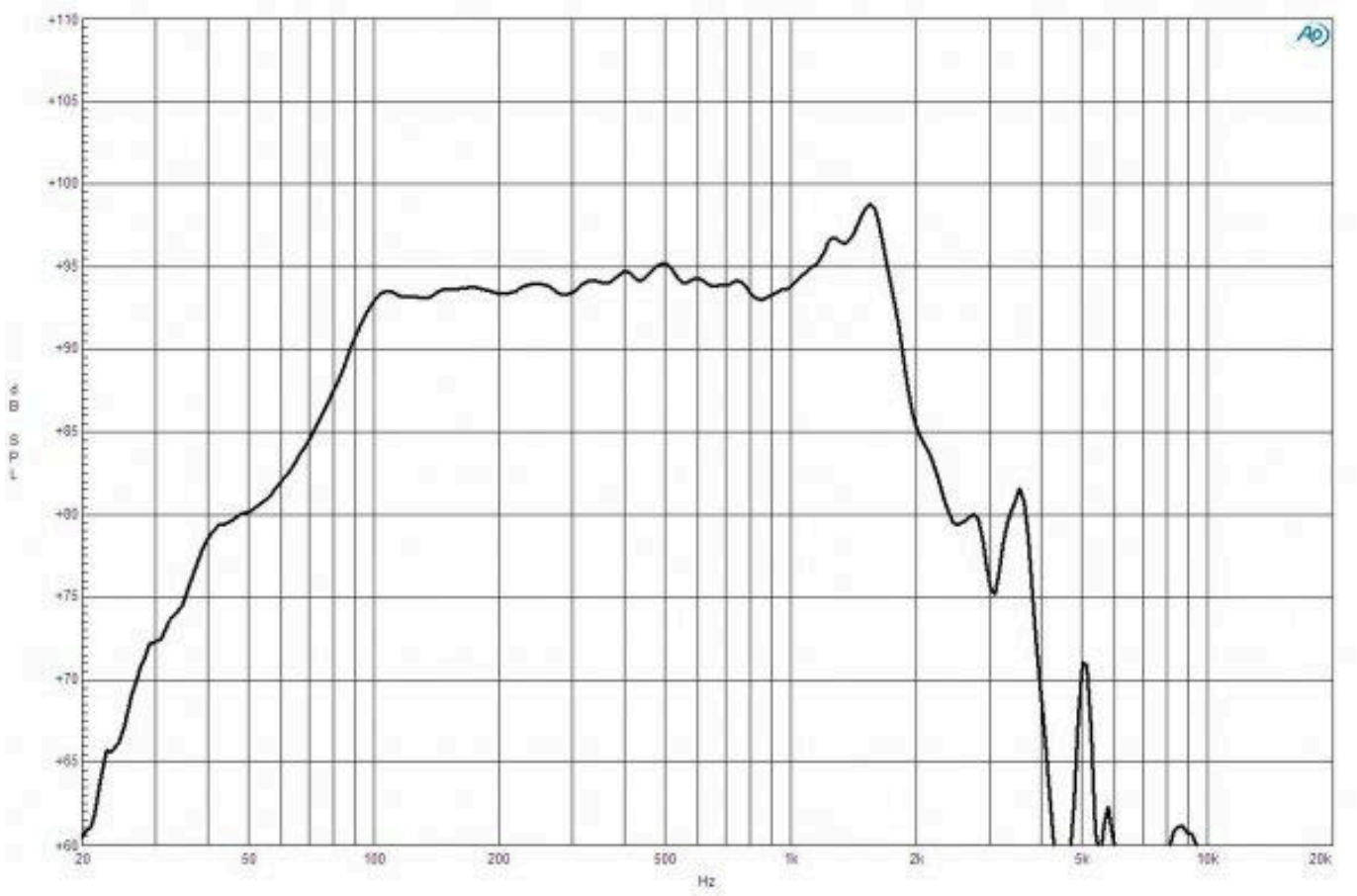
SERVICE KITS

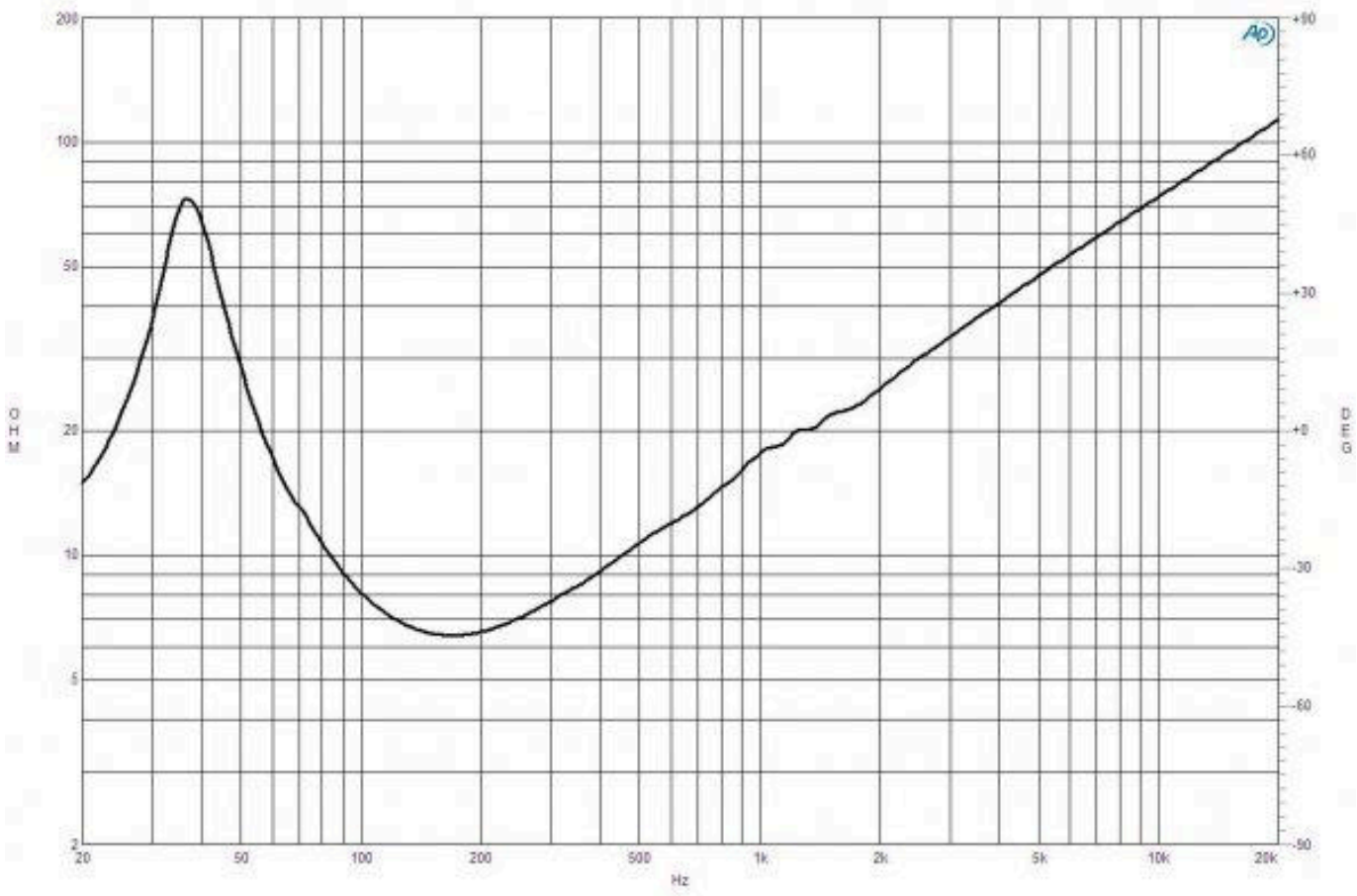
LF recone-kits	**RCK15NBX1008**

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

15NBX100 8 Ω

Woofer

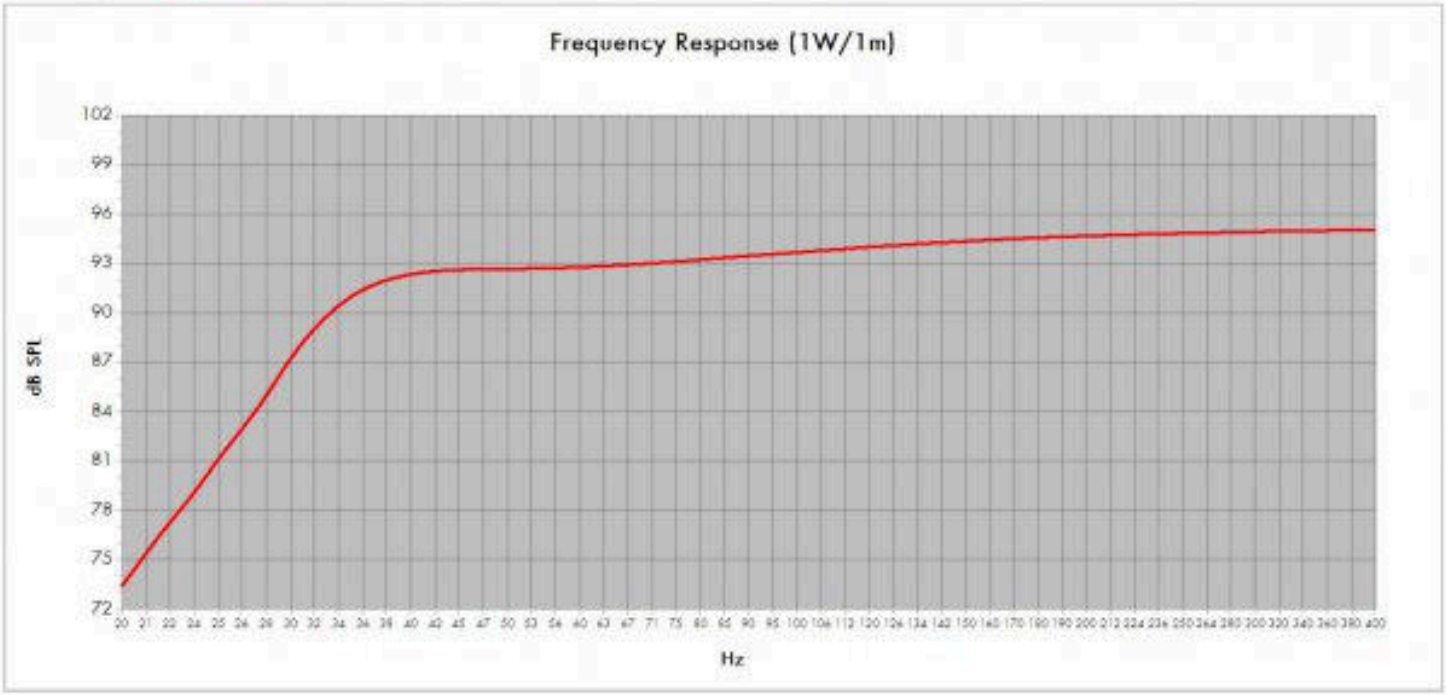




B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

15NBX100 8 Ω

Woofer



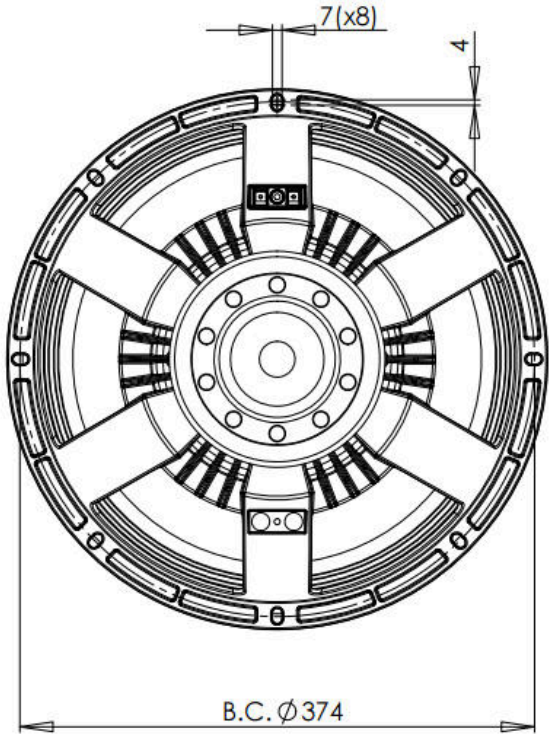
Model:	15NBX100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	114	QB:	7
Tuning Frequency (Hz):	35	Port Area (cm²):	222,3
Frequency (-3 dB) (Hz):	39,1	Port Length (cm):	33,2

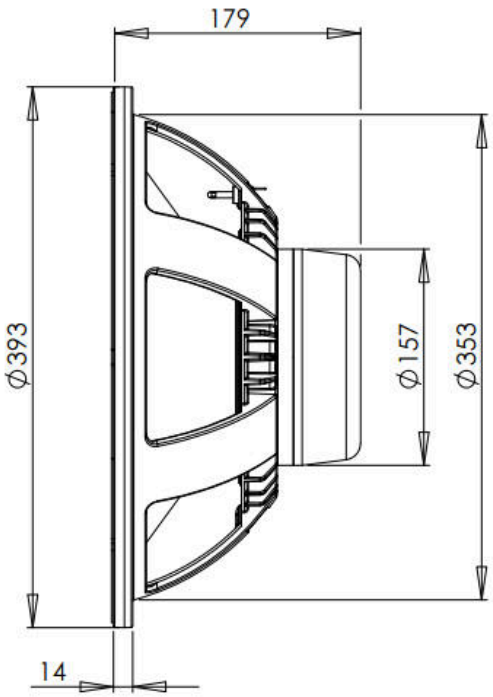
Excursion Limited Maximum SPL at 1 meter (dB): 120,4 equal to 416,2 Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): 125,1 equal to 1000,0 Watts (Mid Band Power Rating)

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

15NBX100 8 Ω

Woofer





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