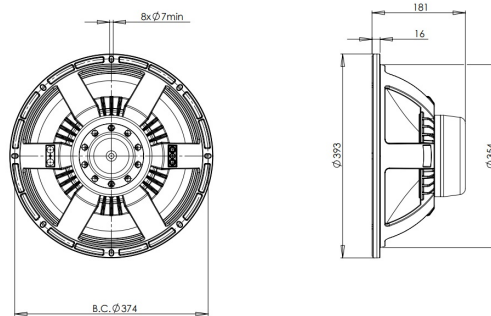# 15NW100

8Ω
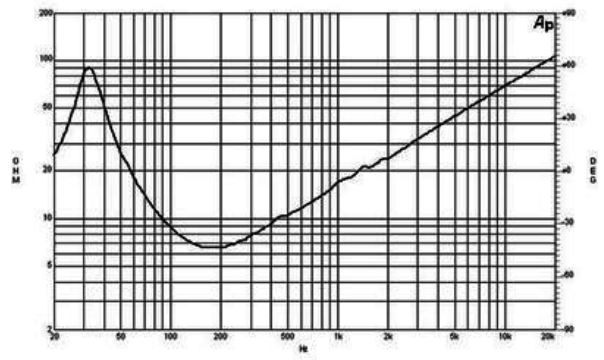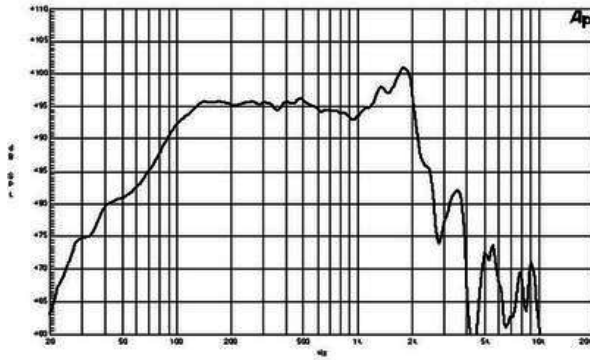
LF Drivers - 15.0 Inches

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1500 Hz response
- 97 dB sensitivity
- FEA optimized Neodymium magnet assembly
- 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

15NW100

LF Drivers- 15.0 Inches

SPECIFICATIONS

Nominal Diameter	380 mm (15.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling[1]	1000 W
Continuous Power Handling[2]	2000 W
Sensitivity[3]	97.0 dB
Frequency Range	35 - 1500 Hz
Voice Coil Diameter	100 mm (4.0 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25 mm (1.0 in)
Magnetic Gap Depth	12 mm (0.5 in)
Flux Density	1.2 T

DESIGN

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	100.0 dm^3 (3.53 ft^3)
Recommended Tuning	40 Hz

PARAMETERS[4]

Resonance Frequency	33 Hz
Re	5.1 Ω
Qes	0.23
Qms	4.3
Qts	0.22
Vas	139.0 dm^3 (4.9 ft^3)
Sd	855.0 cm^2 (132.5 in^2)
η$_0$	2.1 %
Xmax	9.0 mm
Xvar	11.0 mm
Mms	173 g
Bl	28.0 Txm
Le	1.9 mH
EBP	143 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354.0 mm (13.9 in)
Depth	181 mm (7.1 in)
Flange and Gasket Thickness	16 mm (0.62 in)
Air Volume Occupied by Driver	6.0 dm^3 (0.21 ft^3)
Net Weight	8.6 kg (18.9 lb)
Shipping Units	1
Shipping Weight	10.0 kg (22.0 lb)
Shipping Box	420x420x200 mm (16.5x16.5x7.9 in)

SERVICE KIT

RCK15NW1008

1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.