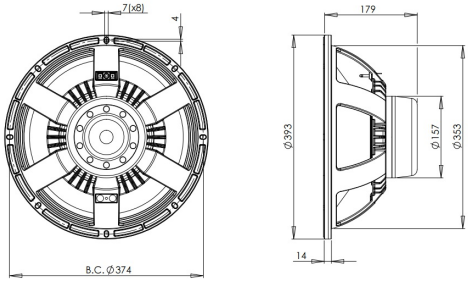
15NBX100

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
- 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

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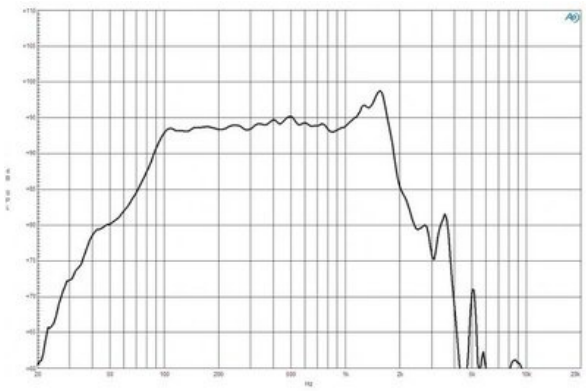

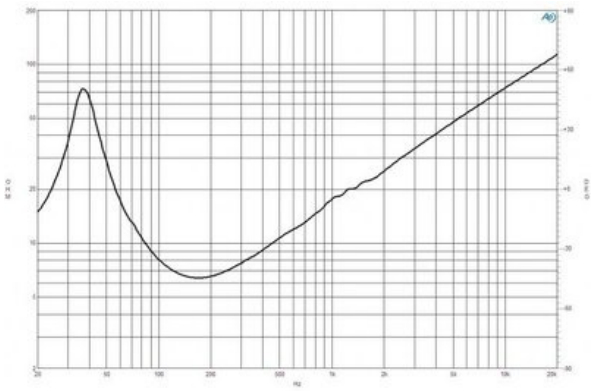

SPECIFICATIONS

Nominal Diameter	380 mm (15.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.4 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	25.0 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 Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	114.0 dm^3 (4.0 ft^3)
Recommended Tuning	35 Hz

PARAMETERS[4]

Resonance Frequency	36 Hz
Re	5.1 Ω
Qes	0.31
Qms	4.2
Qts	0.29
Vas	125.0 dm^3 (4.4 ft^3)
Sd	855.0 cm^2 (132.5 in^2)
η_0	2.0 %
Xmax	10.0 mm
Xvar	10.0 mm
Mms	151.0 g
Bl	25.0 Txm
Le	2.0 mH
EBP	116 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (16.7 in)
Baffle Cutout Diameter	353.0 mm (13.9 in)
Depth	179 mm (7.05 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air Volume Occupied by Driver	6.0 dm^3 (0.21 ft^3)
Net Weight	9.0 kg (19.8 lb)
Shipping Units	1
Shipping Weight	10.3 kg (22.71 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

SERVICE KIT

Recone kit	RCK15NBX1008

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum 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.

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