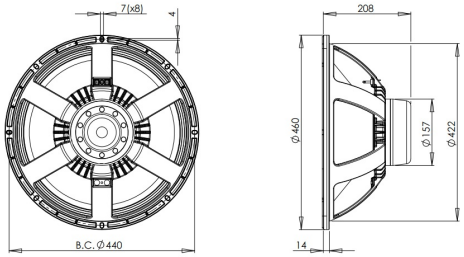
18NBX100

4Ω

LF Drivers - 18.0 Inches



- 2400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 96 dB sensitivity
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion

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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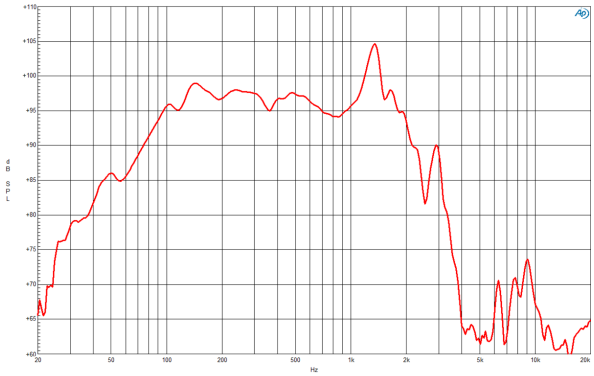

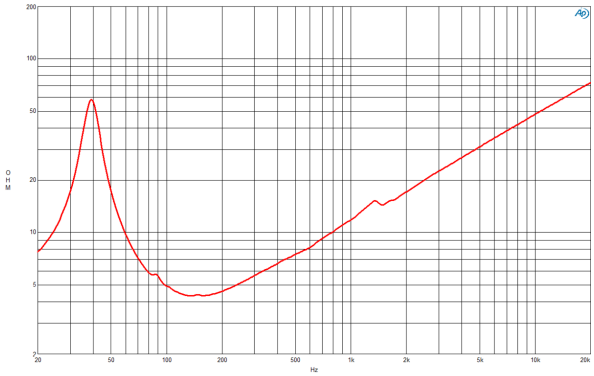

SPECIFICATIONS

Nominal Diameter	460 mm (18.0 in)
Nominal Impedance	4 Ω
Minimum Impedance	4.4 Ω
Nominal Power Handling[1]	1200 W
Continuous Power Handling[2]	2400 W
Sensitivity[3]	96.0 dB
Frequency Range	35 - 1000 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	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	200.0 dm^3 (7.1 ft^3)
Recommended Tuning	35 Hz

PARAMETERS[4]

Resonance Frequency	35 Hz
Re	3.6 Ω
Qes	0.39
Qms	7.0
Qts	0.37
Vas	192.0 dm^3 (6.78 ft^3)
Sd	1210.0 cm^2 (187.55 in^2)
η_0	2.02 %
Xmax	± 10.0 mm
Xvar	± 12.0 mm
Mms	225.0 g
Bl	22.0 Txm
Le	1.74 mH
EBP	89 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	460 mm (18.0 in)
Bolt Circle Diameter	440 mm (17.3 in)
Baffle Cutout Diameter	422.0 mm (16.6 in)
Depth	208 mm (8.19 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air Volume Occupied by Horn	8.5 dm^3 (0.3 ft^3)
Net Weight	9.3 kg (20.5 lb)
Shipping Units	1
Shipping Weight	10.9 kg (24.03 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

SERVICE KIT

Recone kit	RCK18NBX1004

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 2V for 4 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

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