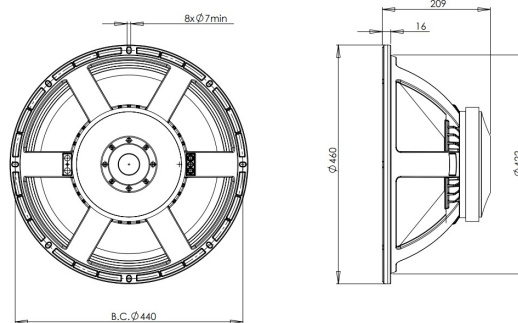


18TBX100

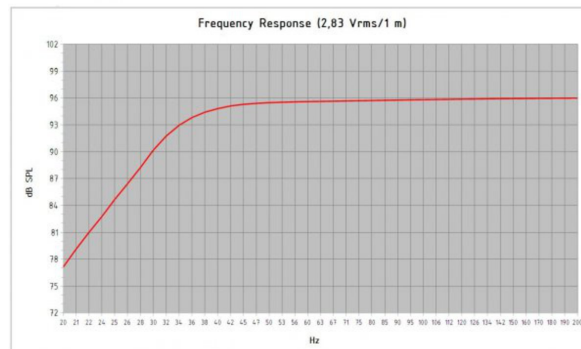
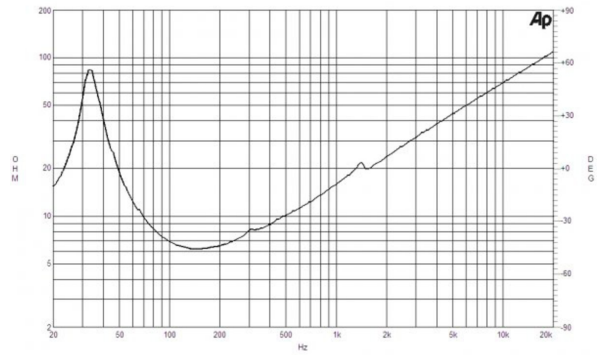
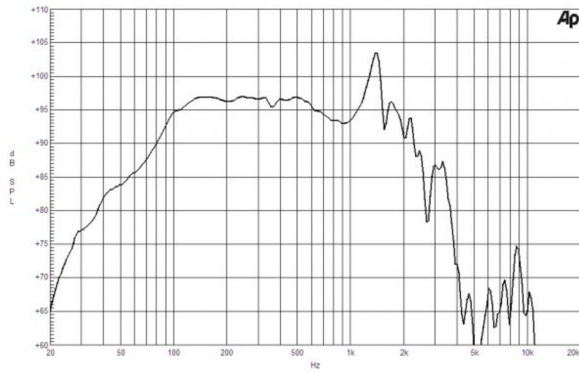
8Ω**LF Drivers - 18.0 Inches**

- 2400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 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



18TBX100

LF Drivers- 18.0 Inches



Model: **18 TBX 100**
 Enclosure Type: **Base Reflex**
 Internal Net Volume (Liters): **200**
 Tuning Frequency (Hz): **34**
 Frequency (-3 dB) (Hz): **34.3**
 Port Area (cm²): **339.6**
 Port Length (cm): **26.0**
 Excursion Limited Maximum SPL at 1 meter (dB): **120.3** equal to **340.4** Watts (Bass Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **125.8** equal to **1200.0** Watts (Mid Band Power Rating)

SPECIFICATIONS

Nominal Diameter	460 mm (18.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling ¹	1200 W
Continuous Power Handling ²	2400 W
Sensitivity ³	97.0 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	12.0 mm (0.5 in)
Flux Density	1.1 T

DESIGN

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	200.0 dm ³ (7.06 ft ³)
Recommended Tuning	34 Hz

PARAMETERS⁴

Resonance Frequency	34 Hz
Re	5.1 Ω
Qes	0.37
Qms	7.2
Qts	0.35
Vas	212.0 dm ³ (7.5 ft ³)
Sd	1210.0 cm ² (187.6 in ²)
η ₀	2.2 %
Xmax	± 9.0 mm
Xvar	± 11.0 mm
Mms	209.0 g
Bl	25.5 Txm
Le	1.6 mH
EBP	91 Hz

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

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	209 mm (8.2 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Horn	10.5 dm ³ (0.37 ft ³)
Net Weight	13.0 kg (28.6 lb)
Shipping Units	1
Shipping Weight	14.6 kg (32.19 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

SERVICE KIT

Recone kit	RCK18TBX1008
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1. 2 hours test made with continuous pink noise signal 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.