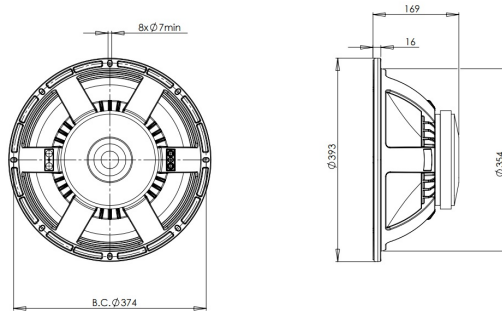


15PLB76

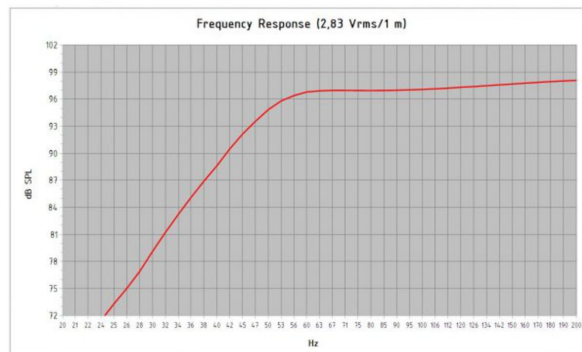
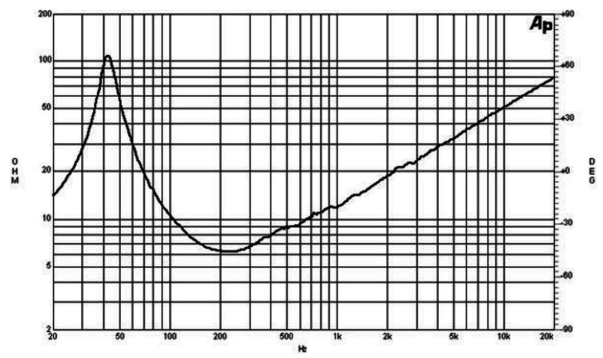
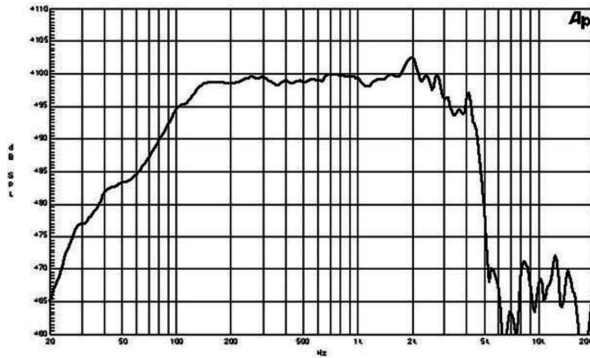
8Ω**LF Drivers - 15.0 Inches**

- 800 W continuous program power capacity
- 76 mm (3 in) copper voice coil
- 40 - 2000 Hz response
- 100 dB sensitivity



15PLB76

LF Drivers- 15.0 Inches



Model: **15 PLB 76**
 Enclosure Type: **Bass Reflex**
 Internal Net Volume (Liters): **100**
 Tuning Frequency (Hz): **50**
 Frequency (-3 dB) (Hz): **53.5**
 Port Area (cm²): **222.3**
 Port Length (cm): **12.0**
 Excursion Limited Maximum SPL at 1 meter (dB): **123.1** equal to **312.2** Watts (Bass Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **124.1** equal to **400.0** Watts (Mid Band Power Rating)

SPECIFICATIONS

Nominal Diameter	380 mm (15.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling ¹	400 W
Continuous Power Handling ²	800 W
Sensitivity ³	100.0 dB
Frequency Range	40 - 2000 Hz
Voice Coil Diameter	76 mm (3.0 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	16.0 mm (0.62 in)
Magnetic Gap Depth	11.0 mm (0.4 in)
Flux Density	1.15 T

DESIGN

Surround Shape	Triple Roll
Cone Shape	Exponential
Magnet Material	Ferrite
Spider	Single
Pole Design	T-Pole
Woofers Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	100.0 dm ³ (3.53 ft ³)
Recommended Tuning	50 Hz

PARAMETERS⁴

Resonance Frequency	42 Hz
Re	5.0 Ω
Qes	0.26
Qms	5.9
Qts	0.25
Vas	164.0 dm ³ (5.8 ft ³)
Sd	855.0 cm ² (132.5 in ²)
η _o	4.5 %
X _{max}	± 5.0 mm
X _{var}	± 8.0 mm
M _{ms}	88.0 g
Bl	22.1 Txm
Le	1.3 mH
EBP	161 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	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354.0 mm (13.9 in)
Depth	169 mm (6.65 in)
Flange and Gasket Thickness	16 mm (0.62 in)
Air Volume Occupied by Horn	5.2 dm ³ (0.18 ft ³)
Net Weight	8.5 kg (18.7 lb)
Shipping Units	1
Shipping Weight	9.8 kg (21.61 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

SERVICE KIT

Recone kit	RCK15PLB768
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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.