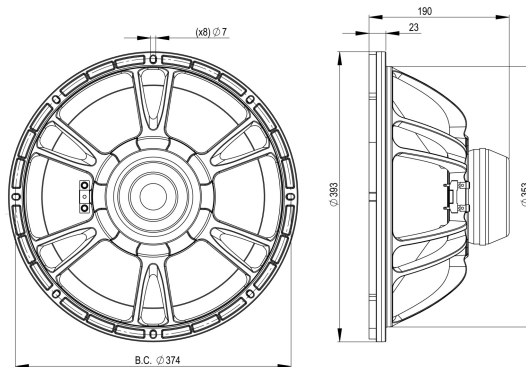


# 15BG76

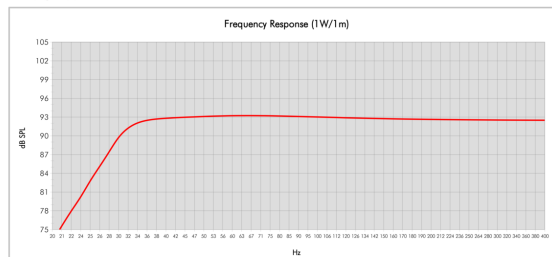
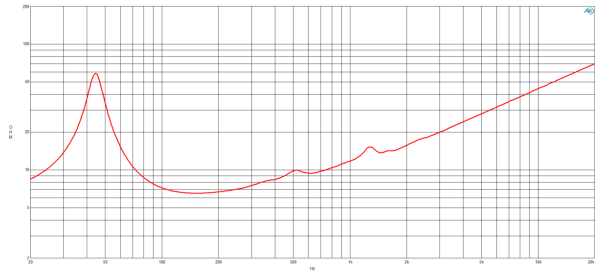
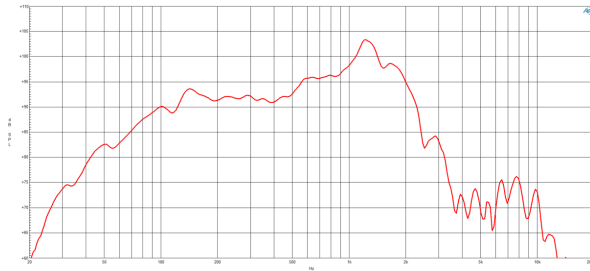
**8Ω****LF Drivers** - 15.0 Inches

- 1000 W continuous program power capacity
- 76 mm (3 in) copper voice coil
- 44 - 1000 Hz response
- 93.4 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Aluminium demodulating ring for very low distortion
- Double silicone spider with optimized compliance



# 15BG76

LF Drivers- 15.0 Inches



Model:	15BG76	Configuration:	One Driver
Enclosure Type:	Bas Reflex		
Internal Net Volume (litre):	160	QES -	7
Tuning Frequency (Hz):	34	Port Area (cm <sup>2</sup> ):	222.0
Frequency (-3 dB) (Hz):	29.8	Port Length (cm):	21.4
Frequency (-10 dB) (Hz):	24.6		

## SPECIFICATIONS

Nominal Diameter	380 mm (15.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Nominal Power Handling <sup>1</sup>	500 W
Continuous power handling <sup>2</sup>	1000 W
Sensitivity (1W/1m) <sup>3</sup>	93.4 dB
Frequency Range	44 - 1000 Hz
Voice Coil Diameter	76 mm (3.0 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25.0 mm (0.98 in)
Magnetic Gap Depth	11.5 mm (0.45 in)
Flux Density	1.22 T

## DESIGN

Surround Shape	Roll
Cone Shape	Radial
Magnet Material	Neodymium Ring
Spider	Double Silicone
Pole Design	T-Pole
Woofers Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	160.0 dm <sup>3</sup> (5.65 ft <sup>3</sup> )
Recommended Tuning	34 Hz

## PARAMETERS<sup>4</sup>

Resonance Frequency	44 Hz
Re	5.4 Ω
Qes	0.61
Qms	6.2
Qts	0.56
Vas	68.4 dm <sup>3</sup> (2.42 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.53 in <sup>2</sup> )
η <sub>o</sub>	0.93 %
Xmax	± 9.6 mm
Xvar	± 12.5 mm
Mms	194.0 g
Bl	21.7 Txm
Le	1.29 mH
EBP	72 Hz

## MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354.0 mm (13.9 in)
Depth	190 mm (7.48 in)
Flange and Gasket Thickness	23 mm (0.91 in)
Air Volume Occupied by Driver	6.0 dm <sup>3</sup> (0.21 ft <sup>3</sup> )
Net Weight	5.95 kg (13.12 lb)
Shipping Units	1
Shipping Weight	7.25 kg (15.98 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

## SERVICE KIT

Recone kit	RCK15BG768
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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

1. 2 hours test made with continuous pink noise signal within the range  $F_s$ - $10F_s$ . 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.