

# 15BG100

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LF Drivers - 15.0 Inches

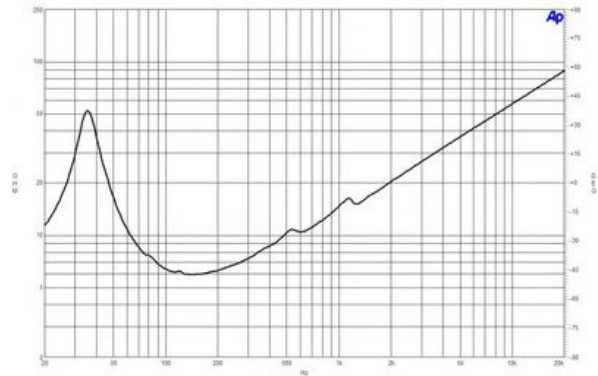
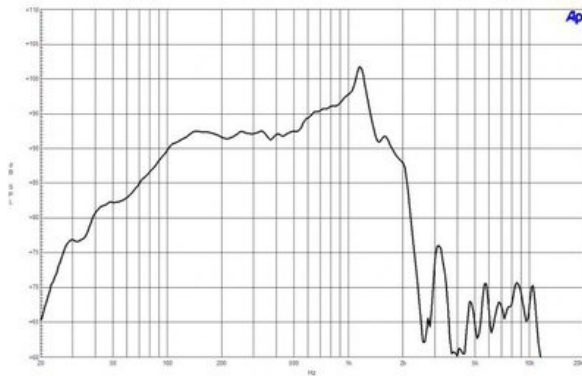


- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 94.5 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



# 15BG100

LF Drivers- 15.0 Inches



## SPECIFICATIONS

|  |                  |
|--|------------------|
| Nominal diameter                       | 380 mm (15.0 in) |
| Nominal impedance                      | 8 Ω              |
| Minimum impedance                      | 6.0 Ω            |
| Nominal power handling <sup>1</sup>    | 1000 W           |
| Continuous power handling <sup>2</sup> | 2000 W           |
| Sensitivity (1W/1m) <sup>3</sup>       | 94.5 dB          |
| Frequency range                        | 35 - 1000 Hz     |
| Voice coil diameter                    | 100 mm (4.0 in)  |
| Winding material                       | Copper           |
| Former material                        | Glass Fibre      |
| Winding depth                          | 27 mm (1.05 in)  |
| Magnetic gap depth                     | 11 mm (0.43 in)  |
| Flux density                           | 1.25 T           |

## DESIGN

|                       |   |
|-----------------------|---|
| Surround shape        | Roll  |
| Cone shape            | Radial  |
| Magnet material       | Neodymium Inside Slug                         |
| Spider                | Double Silicone                               |
| Pole design           | T-Pole  |
| Woofer cone treatment | WP Waterproof Front Side                      |
| Recommended enclosure | 160.0 dm <sup>3</sup> (5.65 ft <sup>3</sup> ) |
| Recommended tuning    | 29 Hz   |

## PARAMETERS

|                |  |
|----------------|--|
| Fs             | 36 Hz  |
| Re             | 5.1 Ω  |
| Qes            | 0.49   |
| Qms            | 5.0  |
| Qts            | 0.44   |
| Vas            | 83.0 dm <sup>3</sup> (2.93 ft <sup>3</sup> )   |
| Sd             | 855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> ) |
| η <sub>o</sub> | 0.8 %  |
| Xmax           | 10.5 mm  |
| Xvar           | 14.0 mm  |
| Mms            | 240 g  |
| Bl             | 23.0 Txm                                       |
| Le             | 1.6 mH   |
| EBP            | 73 Hz  |

## 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                         | 189 mm (7.44 in)                            |
| Flange and gasket thickness   | 24 mm (0.94 in)                             |
| Air volume occupied by driver | 6.0 dm <sup>3</sup> (0.21 ft <sup>3</sup> ) |
| Net weight                    | 8.6 kg (18.9 lb)                            |
| Shipping units                | 1   |
| Shipping weight               | 10.0 kg (22.0 lb)                           |
| Shipping box                  | 420x420x200 mm (16.5x16.5x7.9 in)           |

## SERVICE KIT

RCK15BG1008

1. 2 hours test made with continuous pink noise signal (6 dB crest factor) 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.

**B&C Speakers s.p.a.**

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