

**15BG76** 8 Ω

## Rubber Surround Subwoofer

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



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## SPECIFICATIONS

|                                                                                                                                                     |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Nominal Diameter                                                                                                                                    | <b>380 mm (15 in)</b>            |
| Nominal Impedance                                                                                                                                   | <b>8 Ω</b>                       |
| Minimum Impedance                                                                                                                                   | <b>6.5 Ω</b>                     |
| Nominal Power Handling                                                                                                                              | <b>500 W</b>                     |
| 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. |                                  |
| Continuous Power Handling                                                                                                                           | <b>1000 W</b>                    |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                     |                                  |
| Sensitivity                                                                                                                                         | <b>93.4 dB</b>                   |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.                                                                                  |                                  |
| Frequency Range                                                                                                                                     | <b>44 Hz - 1000 Hz</b>           |
| Voice Coil Diameter                                                                                                                                 | <b>76 mm (3 in)</b>              |
| Winding Material                                                                                                                                    | <b>Copper</b>                    |
| Former Material                                                                                                                                     | <b>Glass Fibre</b>               |
| Winding Depth                                                                                                                                       | <b>25 mm (0.98 in)</b>           |
| Magnetic Gap Depth                                                                                                                                  | <b>11.5 mm (0.45 in)</b>         |
| Flux Density                                                                                                                                        | <b>1.22 T</b>                    |
| Woofer Cone Treatment                                                                                                                               | <b>TWP Waterproof Both Sides</b> |

## PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

|                  |                                                   |
|------------------|---------------------------------------------------|
| Fs               | <b>44 Hz</b>                                      |
| Re               | <b>5.4 Ω</b>                                      |
| Qes              | <b>0.61</b>                                       |
| Qms              | <b>6.2</b>                                        |
| Qts              | <b>0.56</b>                                       |
| Vas              | <b>68.4 dm<sup>3</sup> (2.42 ft<sup>3</sup>)</b>  |
| Sd               | <b>855 cm<sup>2</sup> (132.53 in<sup>2</sup>)</b> |
| η <sub>0</sub>   | <b>0.93 %</b>                                     |
| X <sub>max</sub> | <b>9.6 mm</b>                                     |
| X <sub>var</sub> | <b>12.5 mm</b>                                    |
| M <sub>ms</sub>  | <b>194 g</b>                                      |
| Bl               | <b>21.7 Tm</b>                                    |
| Le               | <b>1.29 mH</b>                                    |
| EBP              | <b>72 Hz</b>                                      |

## DESIGN

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Surround Shape        | <b>Roll</b>                                     |
| Cone Shape            | <b>Radial</b>                                   |
| Magnet Material       | <b>Neodymium Ring</b>                           |
| Spider                | <b>Double Silicone</b>                          |
| Pole Design           | <b>T-Pole</b>                                   |
| Woofer Cone Treatment | <b>TWP Waterproof Both Sides</b>                |
| Recommended Enclosure | <b>160 dm<sup>3</sup> (5.65 ft<sup>3</sup>)</b> |
| Recommended Tuning    | <b>34 Hz</b>                                    |

## MOUNTING AND SHIPPING INFO

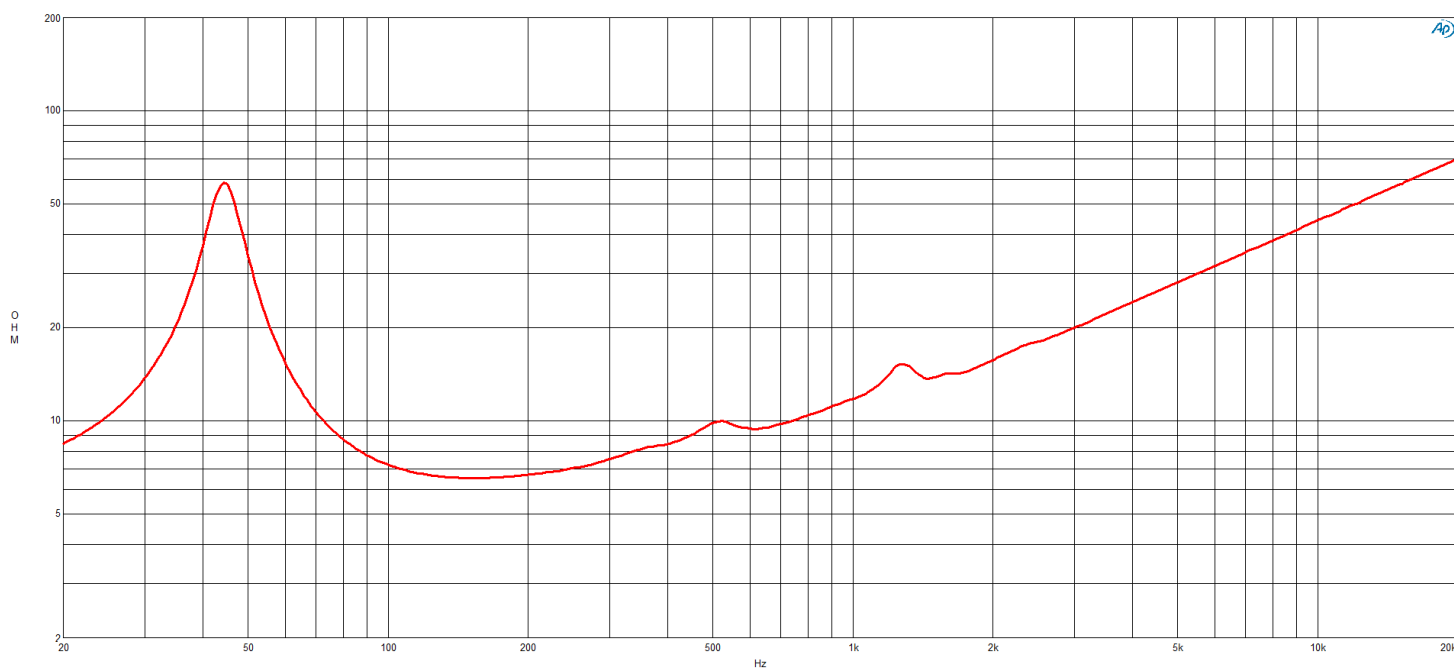
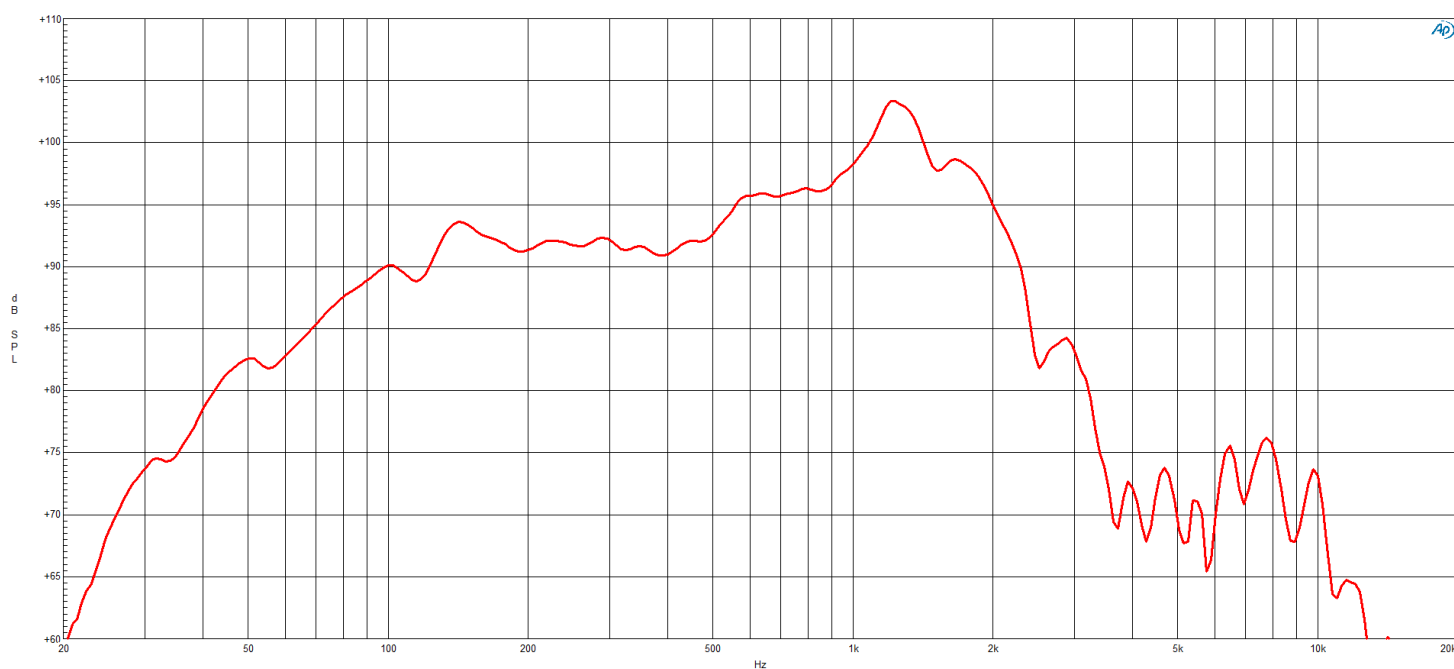
|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Overall Diameter              | <b>393 mm (15.47 in)</b>                      |
| Bolt Circle Diameter          | <b>374 mm (14.7 in)</b>                       |
| Baffle Cutout Diameter        | <b>354 mm (13.9 in)</b>                       |
| Depth                         | <b>190 mm (7.48 in)</b>                       |
| Flange and Gasket Thickness   | <b>23 mm (0.91 in)</b>                        |
| Air Volume Occupied by Driver | <b>6 dm<sup>3</sup> (0.21 ft<sup>3</sup>)</b> |
| Net Weight                    | <b>5.95 kg (13.12 lb)</b>                     |
| Shipping Units                | <b>1 pcs</b>                                  |
| Shipping Weight               | <b>7.25 kg (15.98 lb)</b>                     |
| Shipping Box                  | <b>425x425x224 mm (16.73x16.73x8.82 in)</b>   |

## SERVICE KITS

|                |                   |
|----------------|-------------------|
| LF recone-kits | <b>RCK15BG768</b> |
|----------------|-------------------|

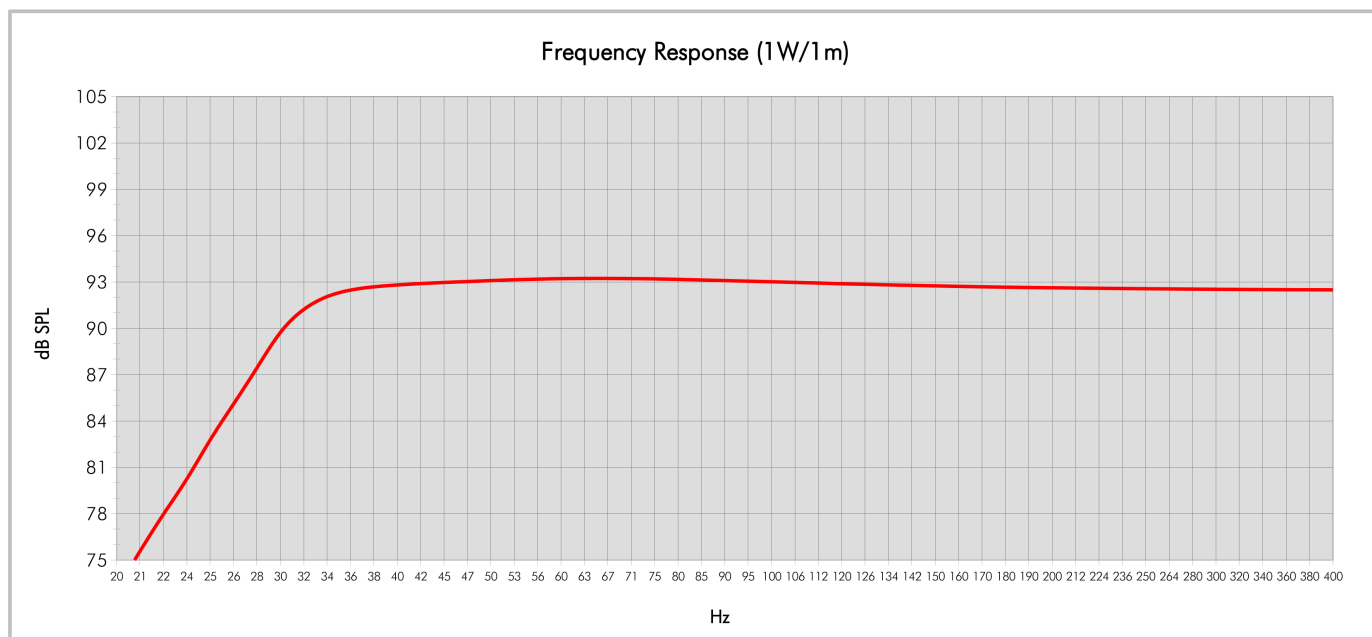
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|                               |                    |                   |                   |
|-------------------------------|--------------------|-------------------|-------------------|
| Model:                        | <b>15BG76</b>      | Configuration:    | <b>One Driver</b> |
| Enclosure Type:               | <b>Bass Reflex</b> |                   |                   |
| Internal Net Volume (Litres): | <b>160</b>         | QB:               | <b>7</b>          |
| Tuning Frequency (Hz):        | <b>34</b>          | Port Area (cm²):  | <b>222,0</b>      |
| Frequency (-3 dB) (Hz):       | <b>29,8</b>        | Port Length (cm): | <b>21,4</b>       |
| Frequency (-10 dB) (Hz):      | <b>24,8</b>        |                   |                   |

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