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

### PARAMETERS

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

| | |
|---|---|
| Fs | **44 Hz** |
| Re | **5.4 Ω** |
| Qes | **0.61** |
| Qms | **6.2** |
| Qts | **0.56** |
| Vas | **68.4 $dm^3$ (2.42 $ft^3$)** |
| Sd | **855 $cm^2$ (132.53 $in^2$)** |
| η0 | **0.93 %** |
| Xmax | **9.6 mm** |
| Xvar | **12.5 mm** |
| Mms | **194 g** |
| Bl | **21.7 Tm** |
| Le | **1.29 mH** |
| EBP | **72 Hz** |

### DESIGN

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

### MOUNTING AND SHIPPING INFO

| | |
|---|---|
| Overall Diameter | **393 mm (15.47 in)** |
| Bolt Circle Diameter | **374 mm (14.7 in)** |
| Baffle Cutout Diameter | **354 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 $dm^3$ (0.21 $ft^3$)** |
| Net Weight | **5.95 kg (13.12 lb)** |
| Shipping Units | **1 pcs** |
| Shipping Weight | **7.25 kg (15.98 lb)** |
| Shipping Box | **425x425x224 mm (16.73x16.73x8.82 in)** |

### SERVICE KITS

| | |
|---|---|
| LF recone-kits | **RCK15BG768** |



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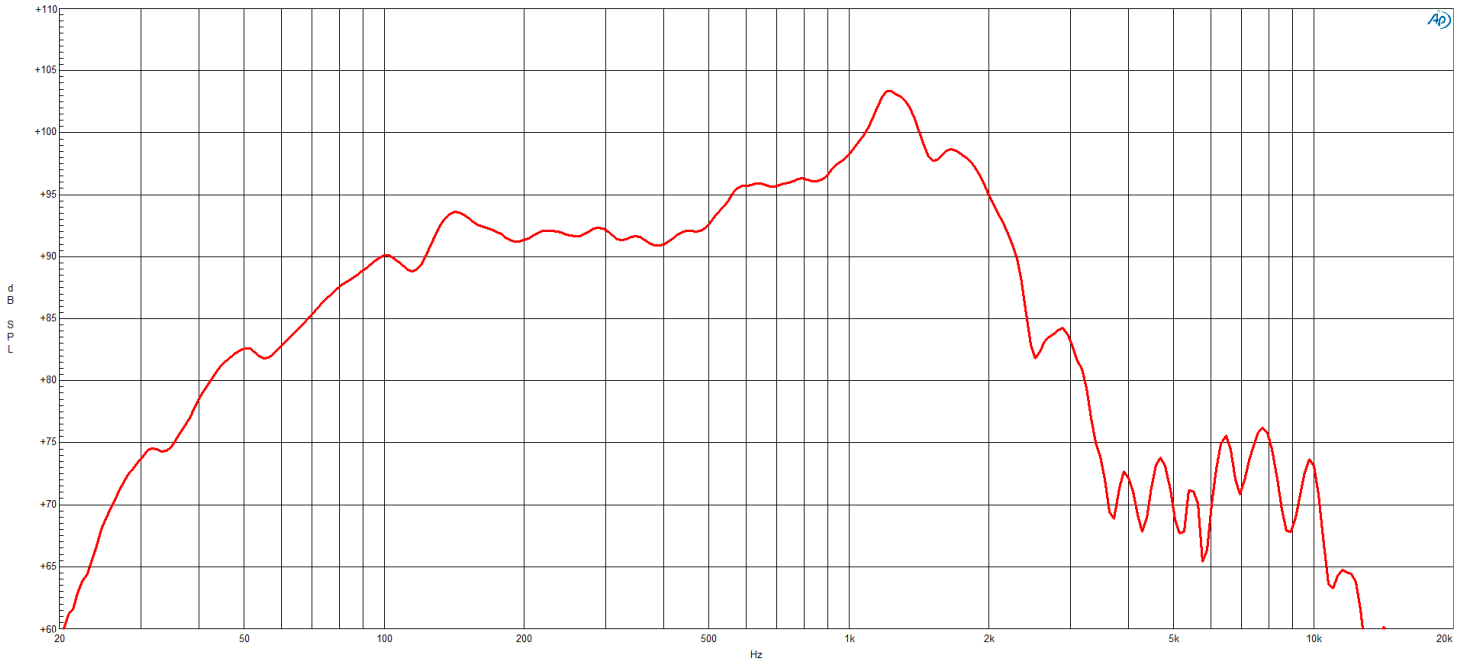
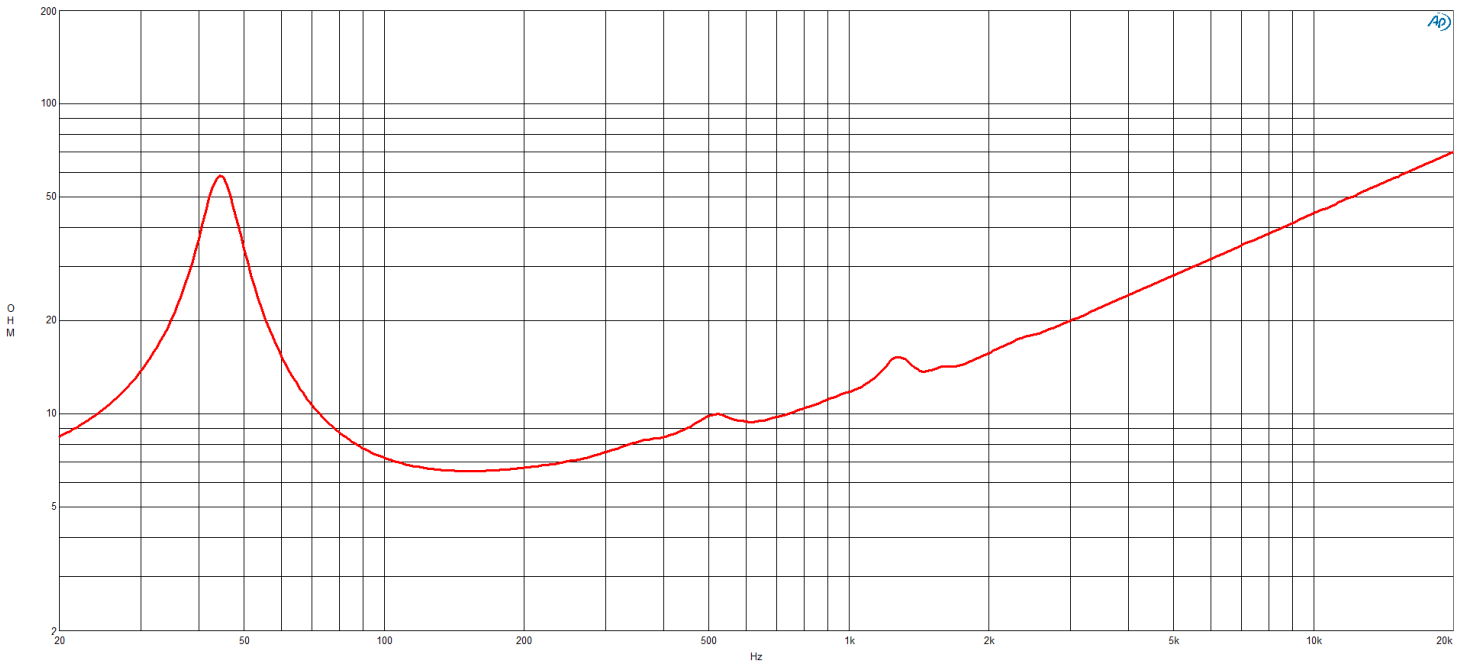
## Rubber Surround Subwoofer



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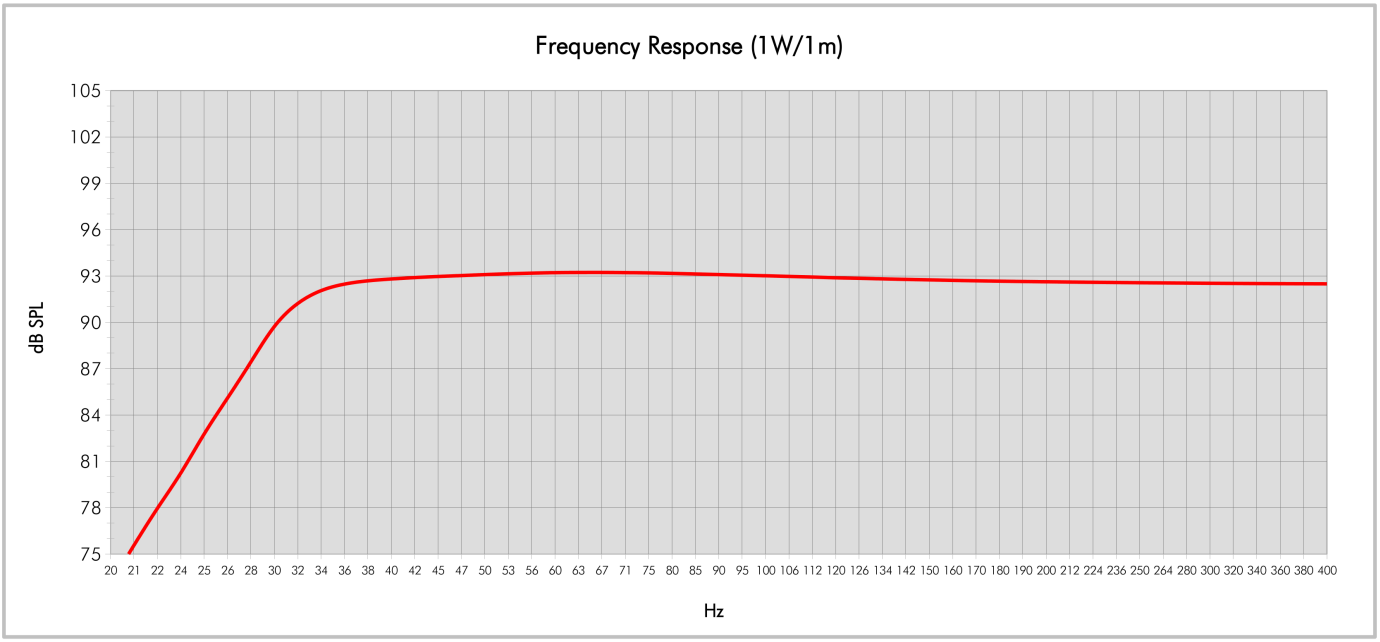


| | | | |
|---|---|---|---|
| Model: | 15BG76 | | |
| Enclosure Type: | Bass Reflex | Configuration: | One Driver |
| Internal Net Volume (Litres): | 160 | QB: | 7 |
| Tuning Frequency (Hz): | 34 | Port Area (cm²): | 222,0 |
| Frequency (-3 dB) (Hz): | 29,8 | Port Length (cm): | 21,4 |
| Frequency (-10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



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