

**12BG76** 8 Ω

Rubber Surround Subwoofer

- 1000 W continuous program power capacity
- 76 mm (3 in) copper voice coil
- 45 - 1000 Hz response
- 92 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- FEA optimized Neodymium magnet assembly
- Aluminum demodulating ring for very low distortion
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



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**SPECIFICATIONS**

Nominal Diameter	<b>320 mm (12 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>92 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>45 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>1.25 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>0.44</b>
Qms	<b>5.9</b>
Qts	<b>0.41</b>
Vas	<b>32 dm<sup>3</sup> (1.13 ft<sup>3</sup>)</b>
Sd	<b>522 cm<sup>2</sup> (80.91 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>0.65 %</b>
X <sub>max</sub>	<b>9.5 mm</b>
X <sub>var</sub>	<b>14 mm</b>
M <sub>ms</sub>	<b>148 g</b>
Bl	<b>22.7 Tm</b>
Le	<b>1.1 mH</b>
EBP	<b>100 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>40 dm<sup>3</sup> (1.41 ft<sup>3</sup>)</b>
Recommended Tuning	<b>42 Hz</b>

**MOUNTING AND SHIPPING INFO**

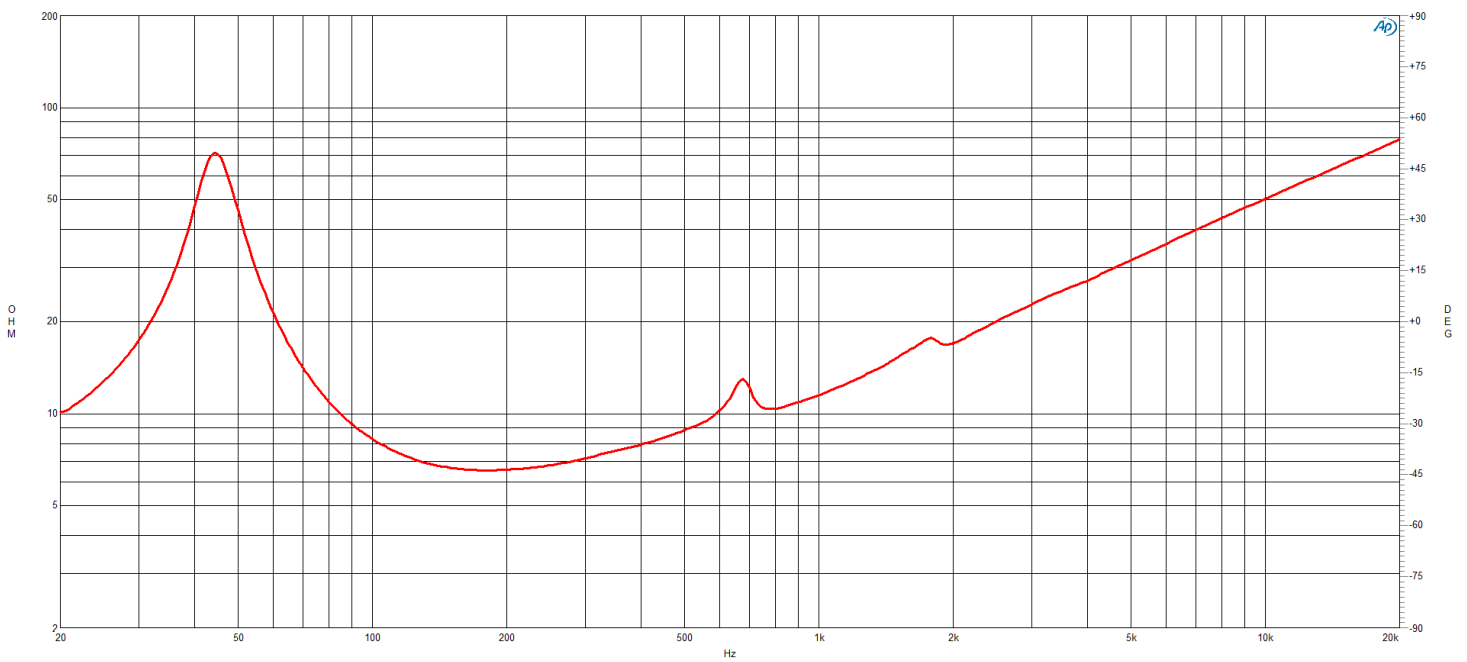
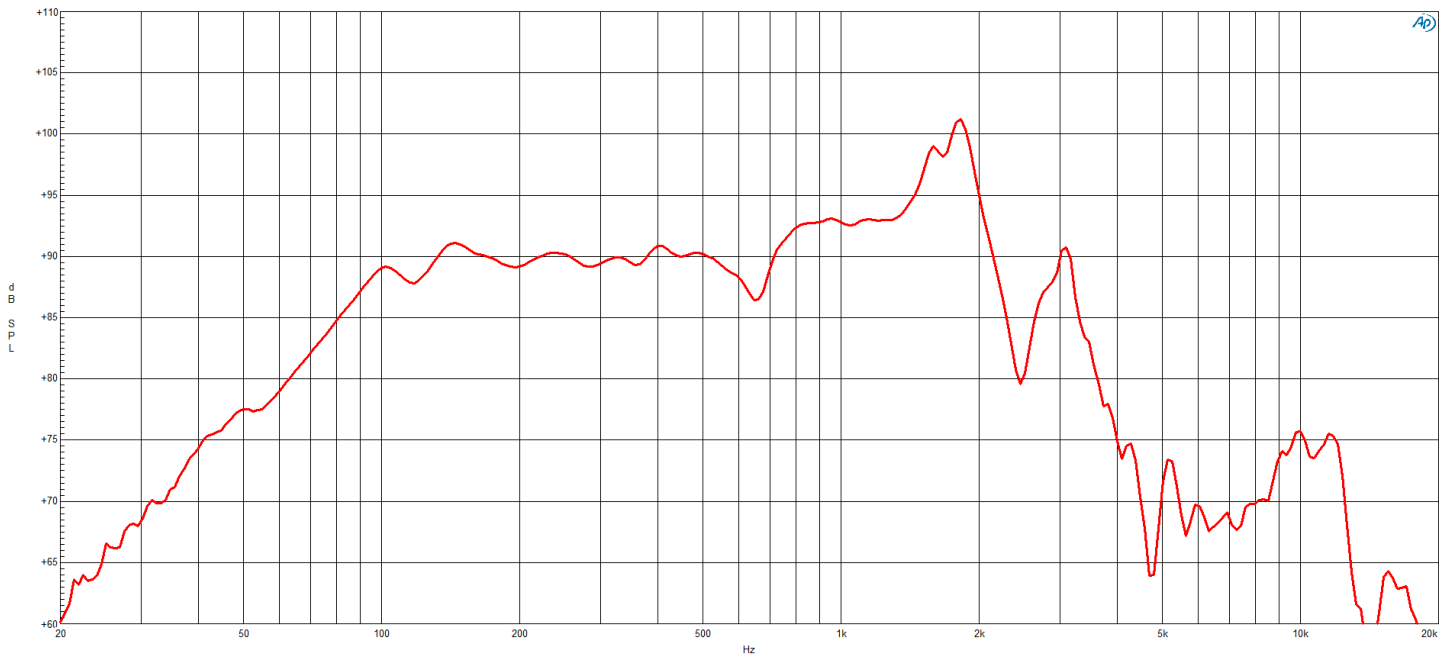
Overall Diameter	<b>315 mm (12.4 in)</b>
Bolt Circle Diameter	<b>298 mm (11.73 in)</b>
Baffle Cutout Diameter	<b>284 mm (11.18 in)</b>
Depth	<b>161 mm (6.34 in)</b>
Flange and Gasket Thickness	<b>21 mm (0.83 in)</b>
Air Volume Occupied by Driver	<b>2 dm<sup>3</sup> (0.07 ft<sup>3</sup>)</b>
Net Weight	<b>5.3 kg (11.68 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>6.2 kg (13.67 lb)</b>
Shipping Box	<b>360x360x200 mm (14.17x14.17x7.87 in)</b>

**SERVICE KITS**

LF recone-kits	<b>RCK12BG768</b>
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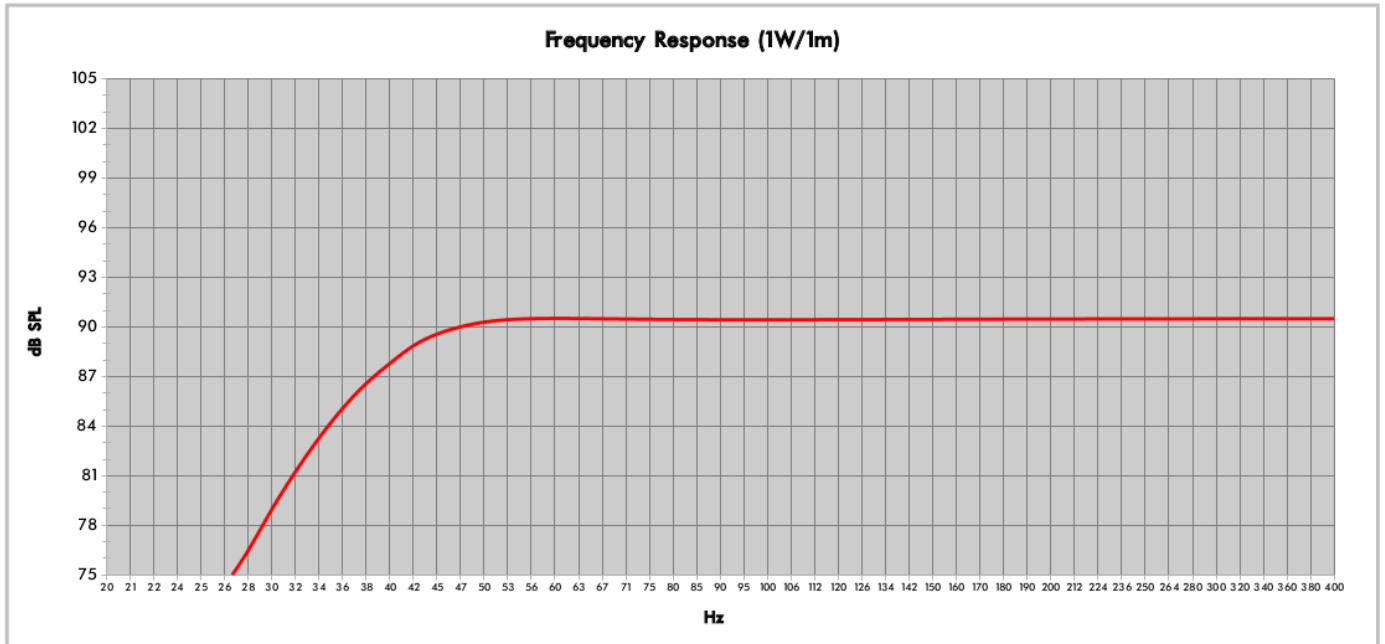
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Model:	<b>12BG76</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>		
Internal Net Volume (Litres):	<b>40</b>	QB:	<b>7</b>
Tuning Frequency (Hz):	<b>42</b>	Port Area (cm <sup>2</sup> ):	<b>140,0</b>
Frequency (-3 dB) (Hz):	<b>39,5</b>	Port Length (cm):	<b>48,2</b>
Frequency (-10 dB) (Hz):	<b>31,4</b>		

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