

**12FG100** 4 Ω

Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 34 - 1000 Hz response
- 91 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Ferrite magnet assembly
- Aluminium 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>4 Ω</b>
Minimum Impedance	<b>2.9 Ω</b>
Nominal Power Handling	<b>1000 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>2000 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>91 dB</b>
Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.	
Frequency Range	<b>34 Hz - 1000 Hz</b>
Voice Coil Diameter	<b>100 mm (4 in)</b>
Winding Material	<b>Copper</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>26.5 mm (1.04 in)</b>
Magnetic Gap Depth	<b>12 mm (0.47 in)</b>
Flux Density	<b>1.1 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>34 Hz</b>
Re	<b>2.9 Ω</b>
Qes	<b>0.34</b>
Qms	<b>5.4</b>
Qts	<b>0.32</b>
Vas	<b>53 dm<sup>3</sup> (1.87 ft<sup>3</sup>)</b>
Sd	<b>522 cm<sup>2</sup> (80.91 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>0.57 %</b>
X <sub>max</sub>	<b>10.3 mm</b>
X <sub>var</sub>	<b>14 mm</b>
M <sub>ms</sub>	<b>161.9 g</b>
Bl	<b>17.24 Tm</b>
Le	<b>1.15 mH</b>
EBP	<b>100 Hz</b>

**DESIGN**

Surround Shape	<b>Roll</b>
Cone Shape	<b>Radial</b>
Magnet Material	<b>Ferrite</b>
Spider	<b>Double Silicone</b>
Pole Design	<b>T-Pole</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>
Recommended Enclosure	<b>50 dm<sup>3</sup> (1.77 ft<sup>3</sup>)</b>
Recommended Tuning	<b>34 Hz</b>

**MOUNTING AND SHIPPING INFO**

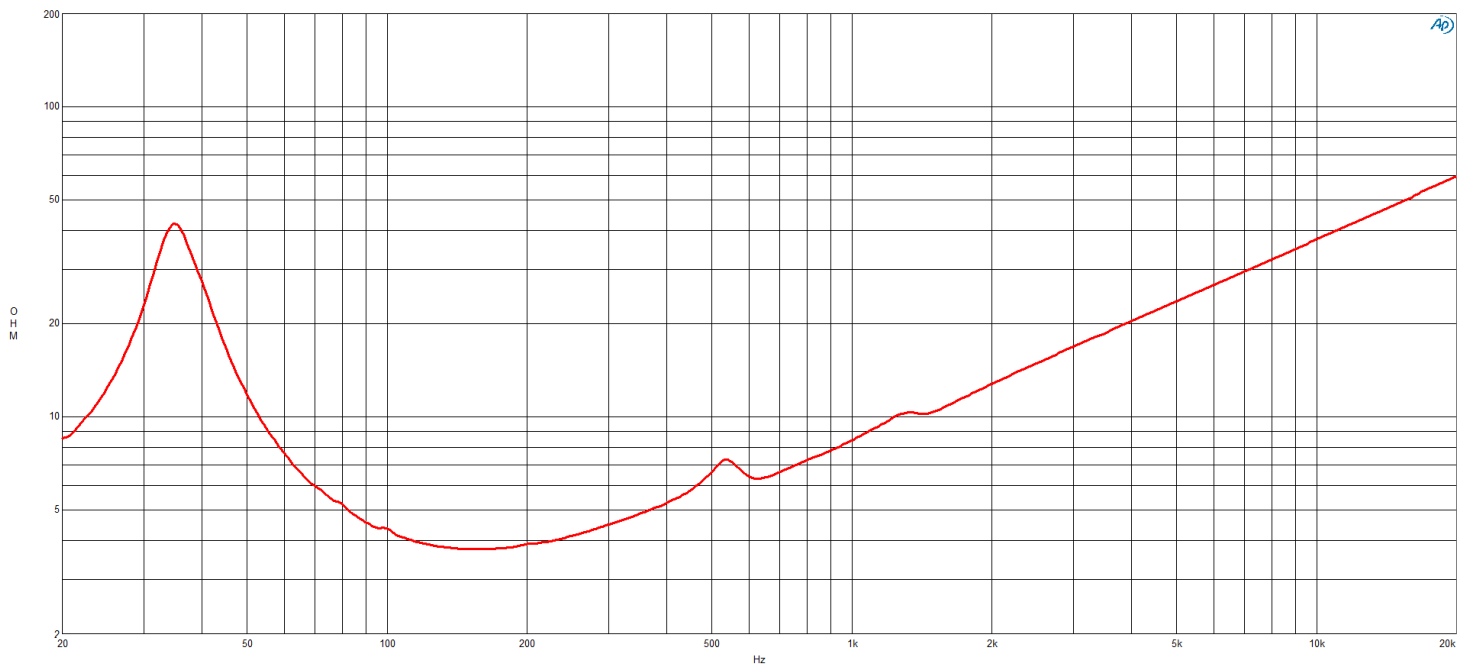
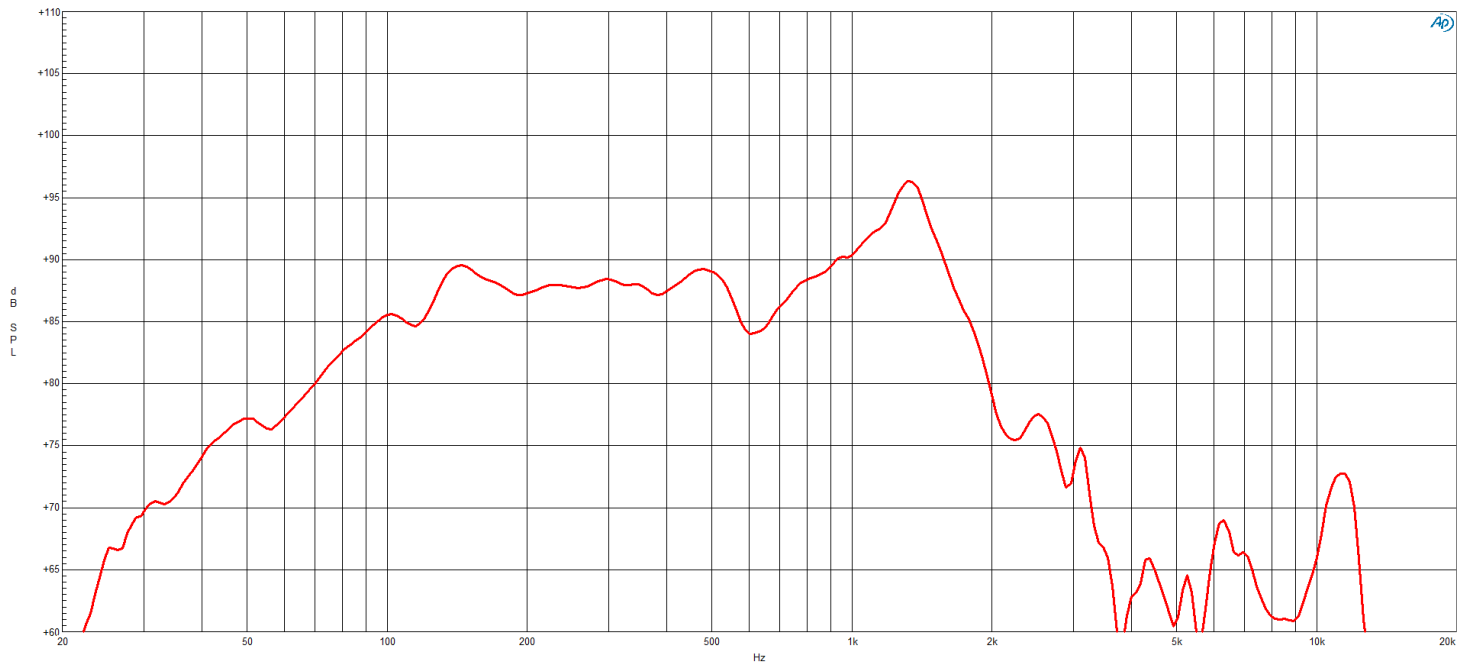
Overall Diameter	<b>320 mm (12.6 in)</b>
Bolt Circle Diameter	<b>299 mm (11.77 in)</b>
Baffle Cutout Diameter	<b>282 mm (11.1 in)</b>
Depth	<b>150 mm (5.91 in)</b>
Flange and Gasket Thickness	<b>20 mm (0.81 in)</b>
Air Volume Occupied by Driver	<b>3 dm<sup>3</sup> (0.11 ft<sup>3</sup>)</b>
Net Weight	<b>12.55 kg (27.67 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>13.45 kg (29.65 lb)</b>
Shipping Box	<b>360x360x200 mm (14.17x14.17x7.87 in)</b>

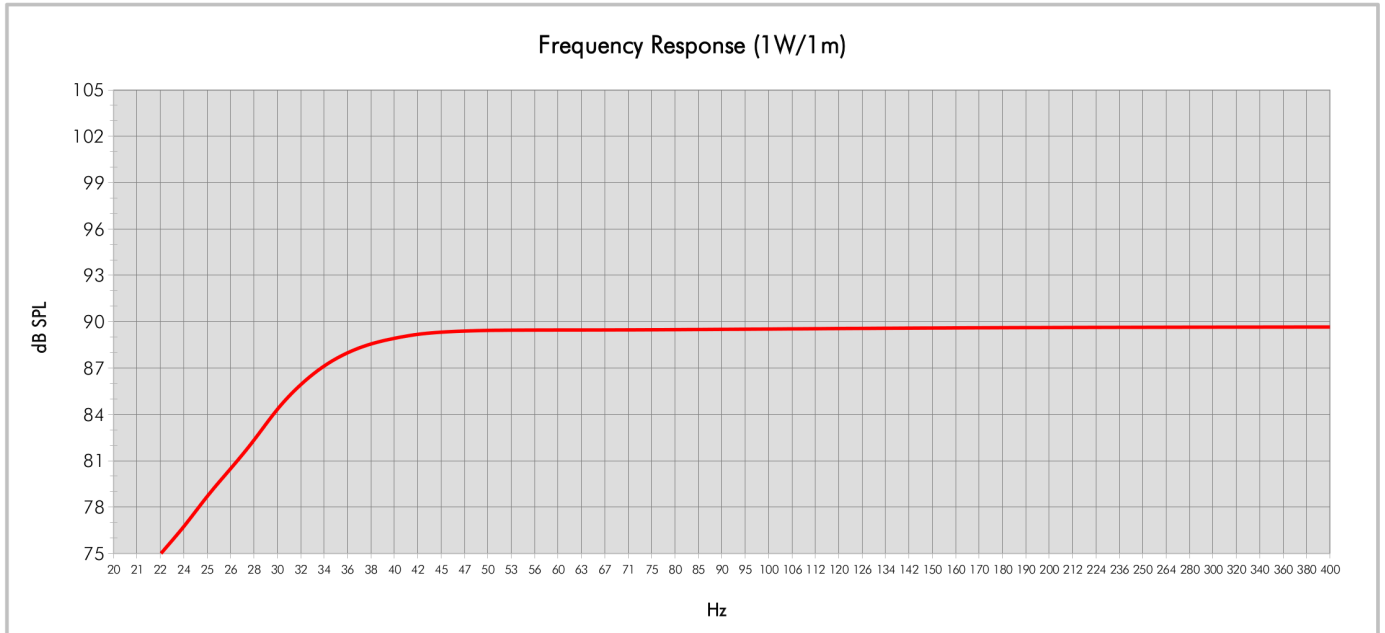
**SERVICE KITS**

LF recone-kits	<b>RCK12FG1004</b>
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Model:	<b>12FG100</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>		
Internal Net Volume (Litres):	<b>50</b>	QB:	<b>7</b>
Tuning Frequency (Hz):	<b>34</b>	Port Area (cm <sup>2</sup> ):	<b>100,0</b>
Frequency (-3 dB) (Hz):	<b>33,2</b>	Port Length (cm):	<b>32,2</b>
Frequency (-10 dB) (Hz):	<b>25,8</b>		

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