12BG100 8 Ω

Rubber Surround Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 40 - 1000 Hz response
- 93 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
- Ventilated voice coil gap for reduced power compression





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SPECIFICATIONS

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**5.8 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**1000 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**2000 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**93 dB**
Frequency Range	**40 Hz - 1000 Hz**
Voice Coil Diameter	**100 mm (4 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	**1.15 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	**39 Hz**
Re	**5.1 Ω**
Qes	**0.35**
Qms	**6.8**
Qts	**0.33**
Vas	**41 dm^3 (1.45 ft^3)**
Sd	**522 cm^2 (80.9 in^2)**
η0	**0.7 %**
Xmax	**10.5 mm**
Xvar	**14 mm**
Mms	**152 g**
Bl	**23 Tm**
Le	**1.6 mH**
EBP	**111 Hz**

DESIGN

Surround Shape	**Roll**
Cone Shape	**Radial**
Magnet Material	**Neodymium Inside Slug**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**
Recommended Enclosure	**40 dm^3 (1.41 ft^3)**
Recommended Tuning	**40 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**319 mm (12.5 in)**
Bolt Circle Diameter	**299 mm (11.8 in)**
Baffle Cutout Diameter	**281 mm (11.1 in)**
Depth	**137 mm (5.4 in)**
Flange and Gasket Thickness	**13 mm (0.5 in)**
Air Volume Occupied by Driver	**2.7 dm^3 (0.09 ft^3)**
Net Weight	**8.8 kg (19.4 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9.7 kg (21.38 lb)**
Shipping Box	**360x360x200 mm (14.17x14.17x7.87 in)**

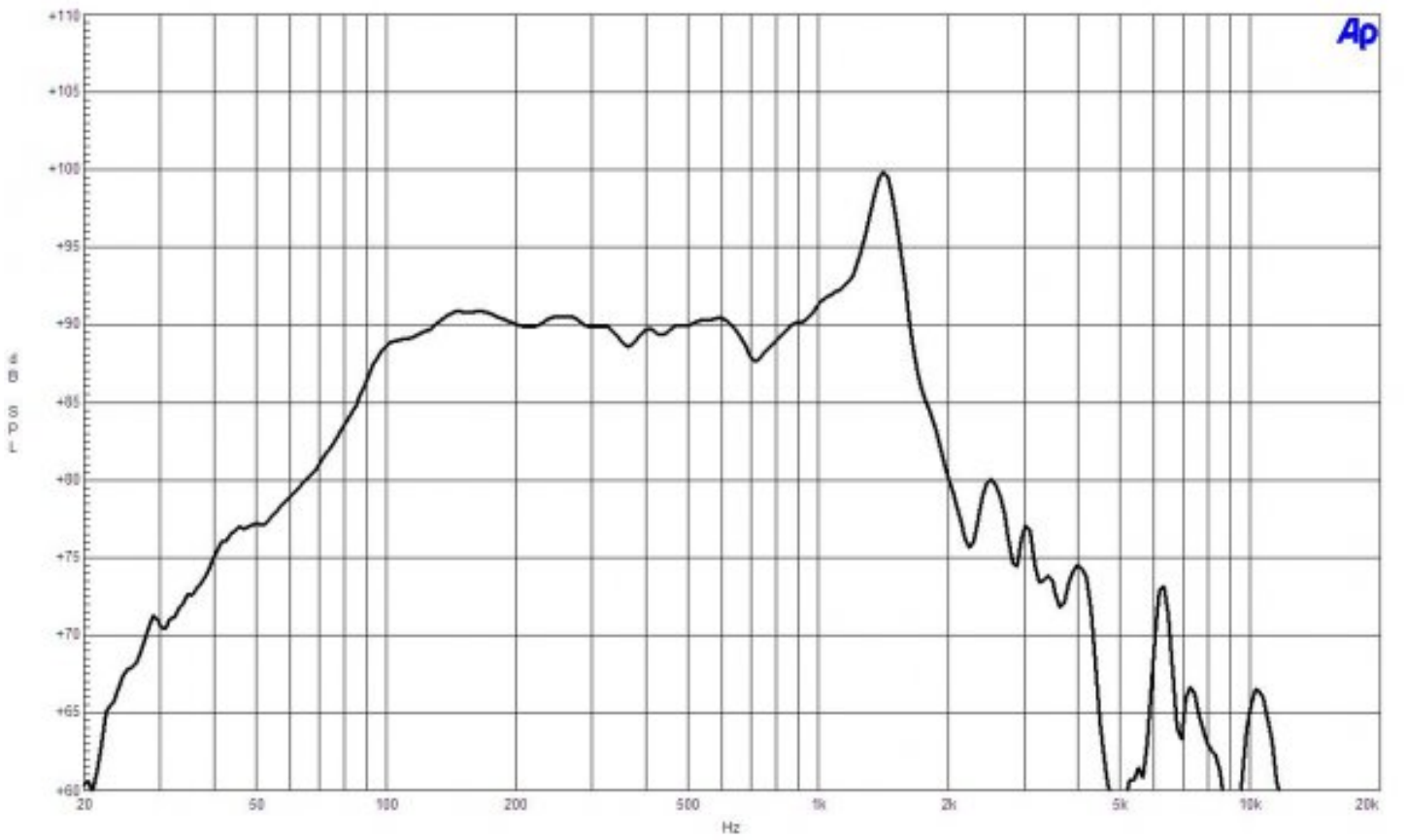
SERVICE KITS

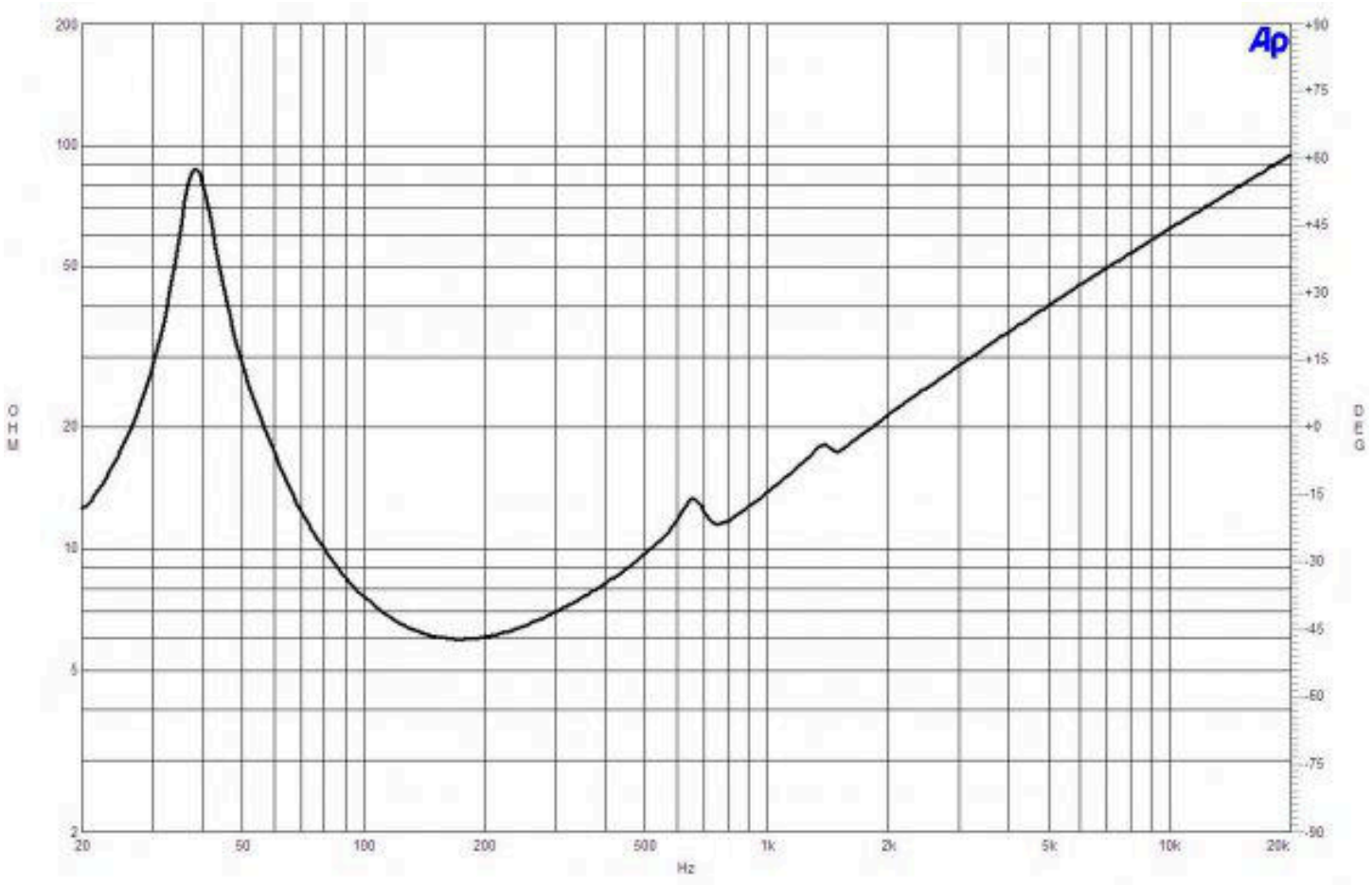
LF recone-kits	**RCK12BG1008**

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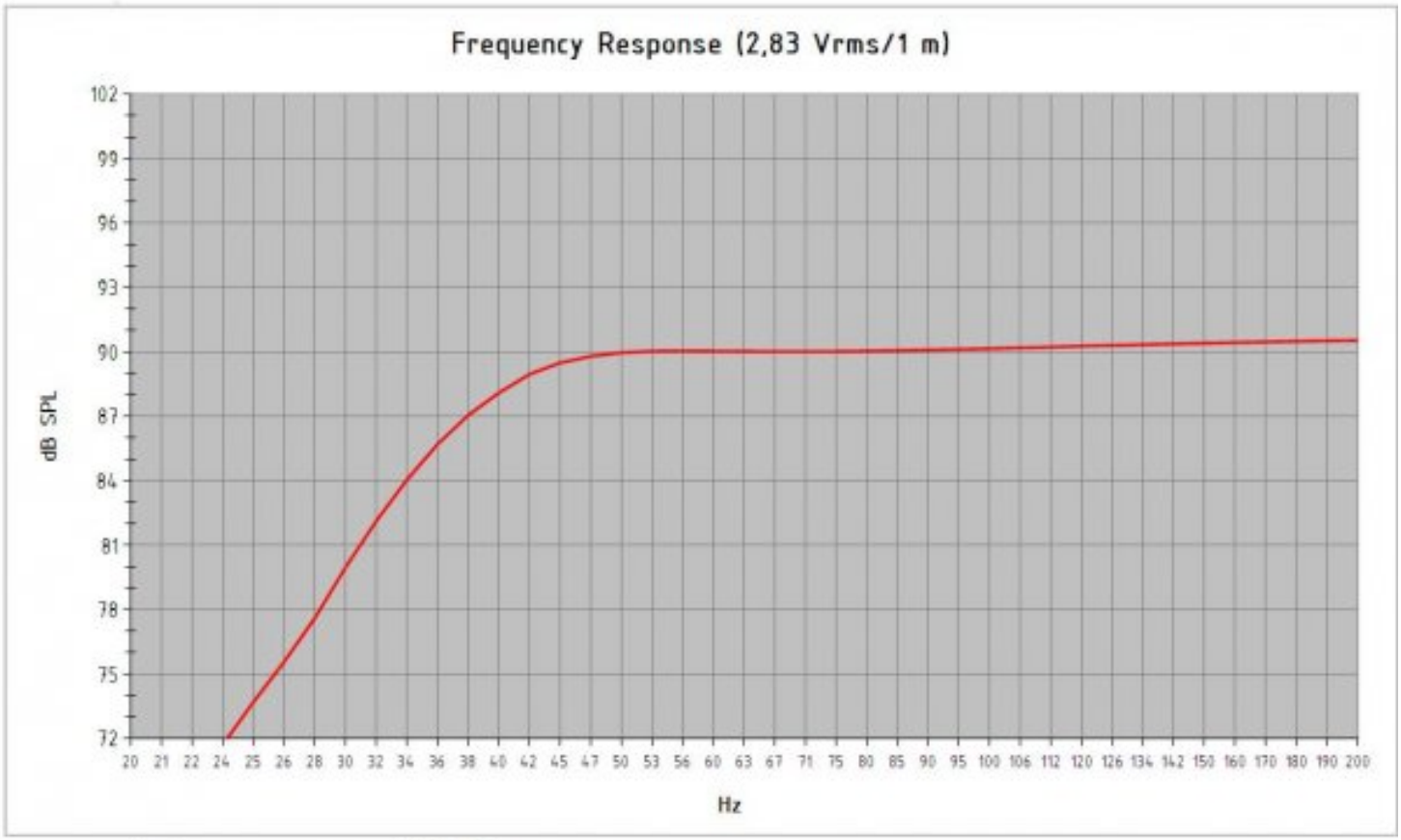
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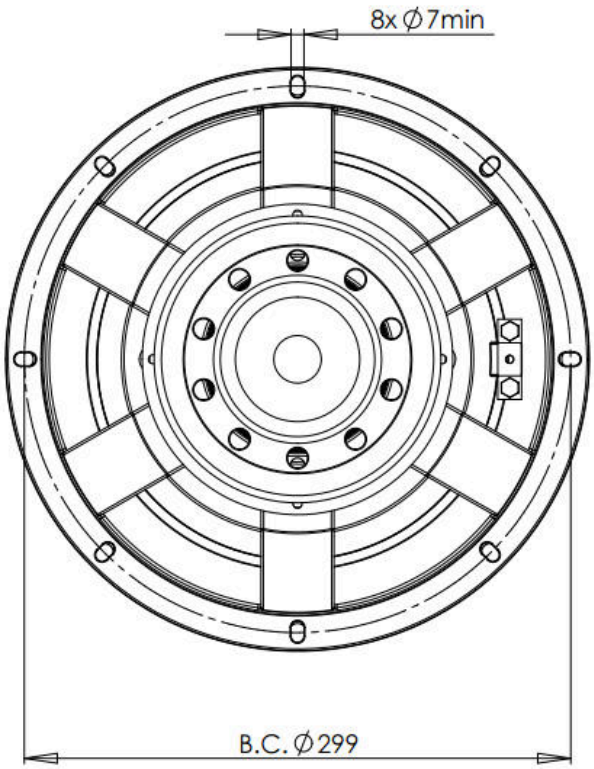


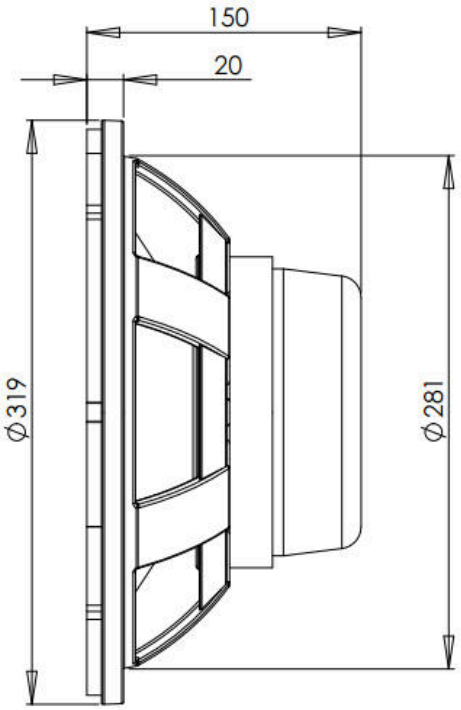
Model:	***12 BG 100***				
Enclosure Type:	***Bass Reflex***				
Internal Net Volume (Liters):	***40***				
Tuning Frequency (Hz):	***40***	*Port Area (cm²):*	***138,7***		
Frequency (-3 dB) (Hz):	***39,3***	*Port Length (cm):*	***53,8***		
Excursion Limited Maximum SPL at 1 meter (dB):	***118,3***	*equal to*	***698,6***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***119,9***	*equal to*	***1000,0***	*Watts*	*(Mid Band Power Rating)*

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