

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	1000 W
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	2000 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	93 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
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 dm³ (1.45 ft³)
Sd	522 cm² (80.9 in²)
η0	0.7 %
Xmax	10.5 mm
Xvar	14 mm
Mms	152 g
Bl	23 Tm
Le	1.6 mH
EBP	111 Hz

DESIGN

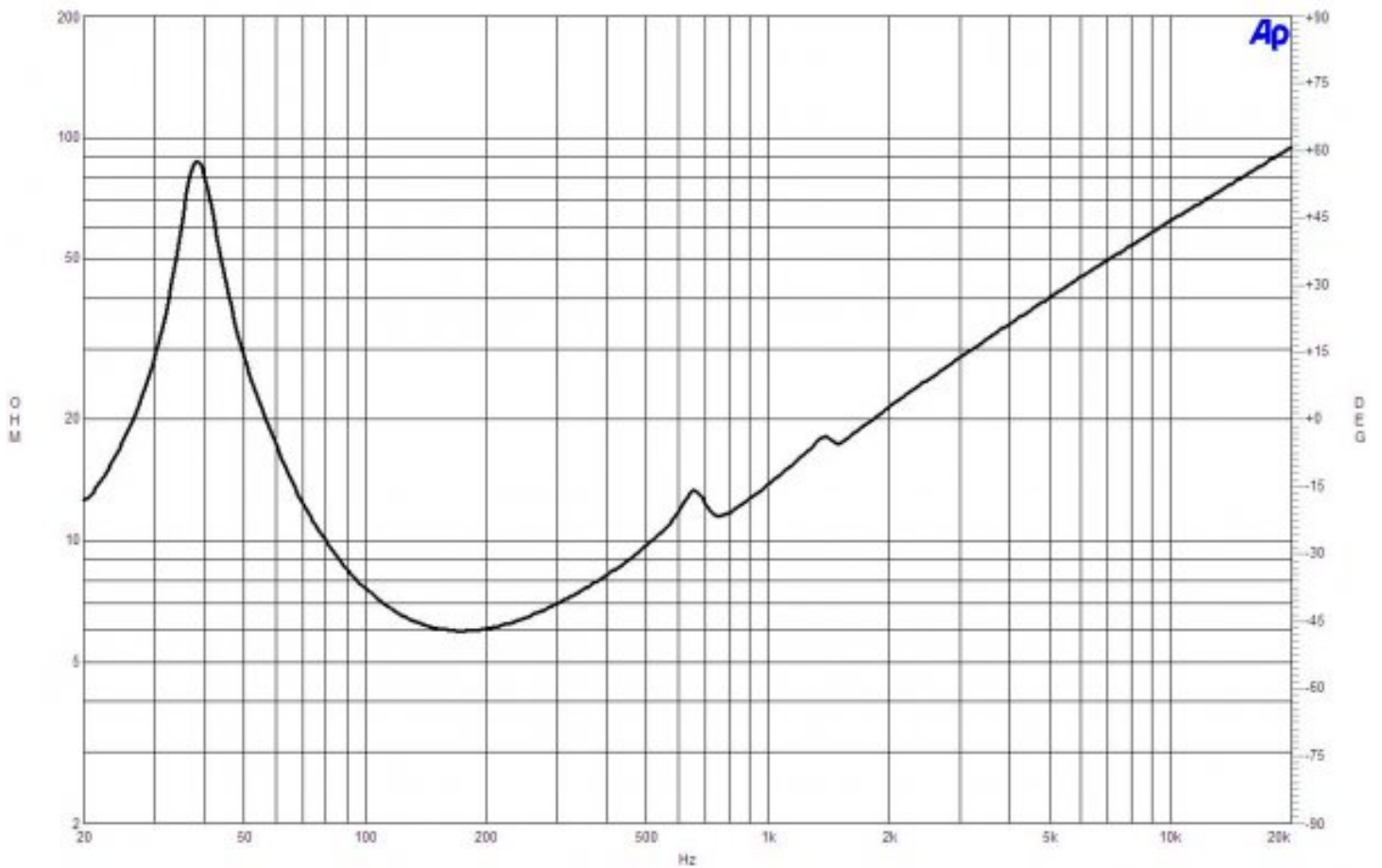
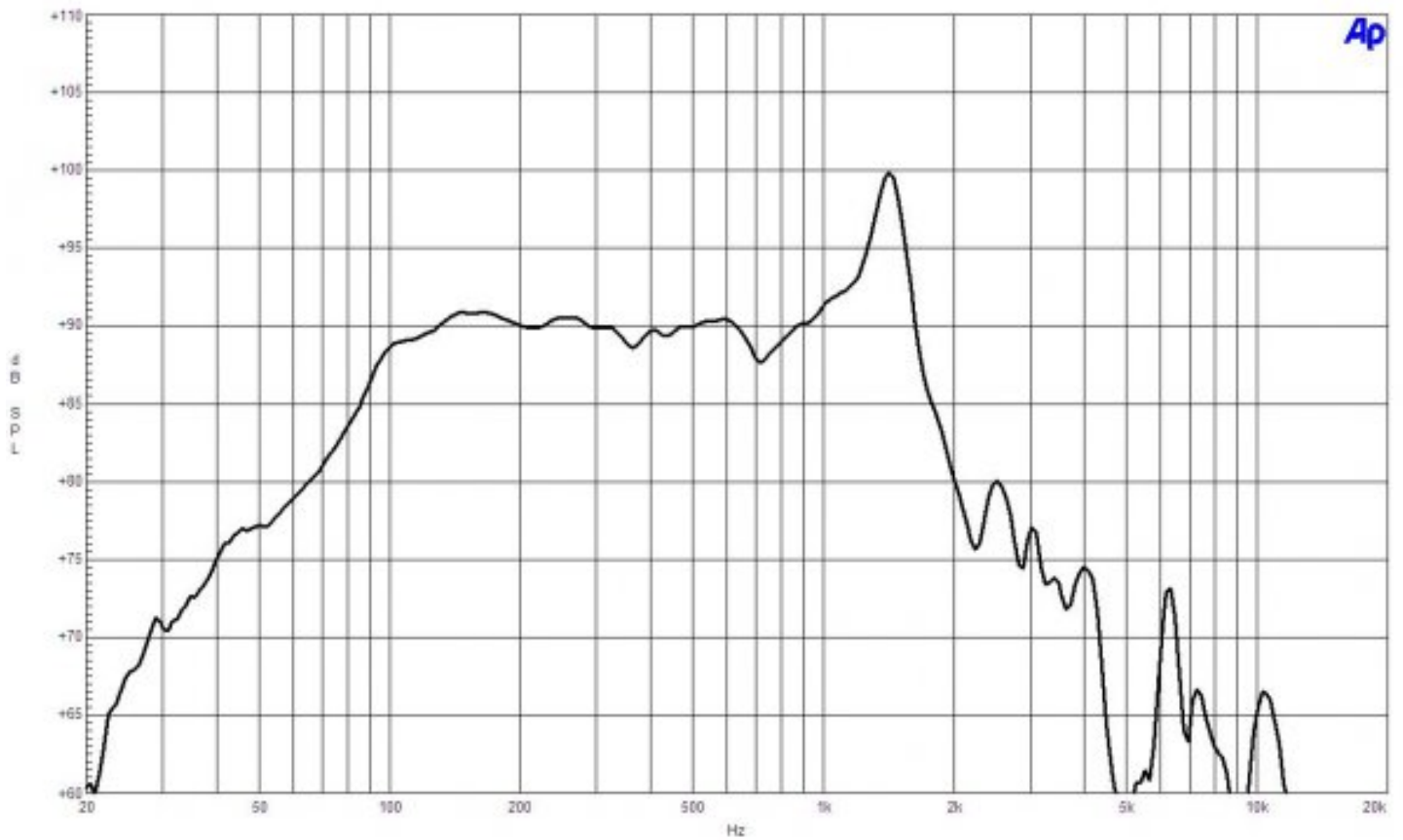
Surround Shape	Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	40 dm³ (1.41 ft³)
Recommended Tuning	40 Hz

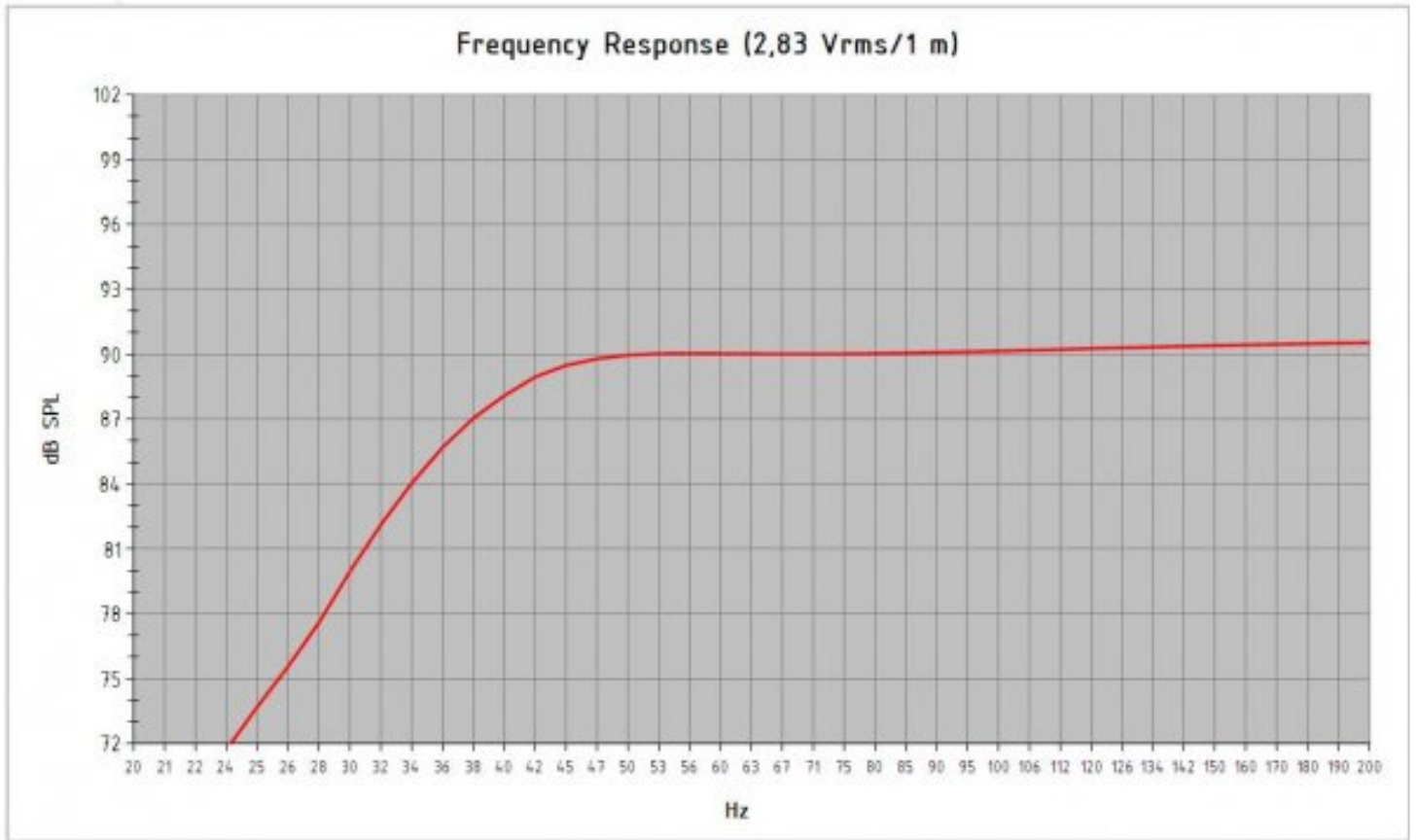
MOUNTING AND SHIPPING INFO

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 dm³ (0.09 ft³)
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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Model:	12 BG 100		
Enclosure Type:	Bass Reflex		
Internal Net Volume (Liters):	40	Port Area (cm ²):	138,7
Tuning Frequency (Hz):	40	Port Length (cm):	53,8
Frequency (-3 dB) (Hz):	39,3		
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)

