

15BG100 8 Ω

Rubber Surround Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 94.5 dB sensitivity
- 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	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	6 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	94.5 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	35 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	1.25 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	36 Hz
Re	5.1 Ω
Qes	0.49
Qms	5
Qts	0.44
Vas	83 dm³ (2.93 ft³)
Sd	855 cm² (132.5 in²)
η ₀	0.8 %
X _{max}	10.5 mm
X _{var}	14 mm
M _{ms}	240 g
Bl	23 Tm
Le	1.6 mH
EBP	73 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	160 dm³ (5.65 ft³)
Recommended Tuning	29 Hz

MOUNTING AND SHIPPING INFO

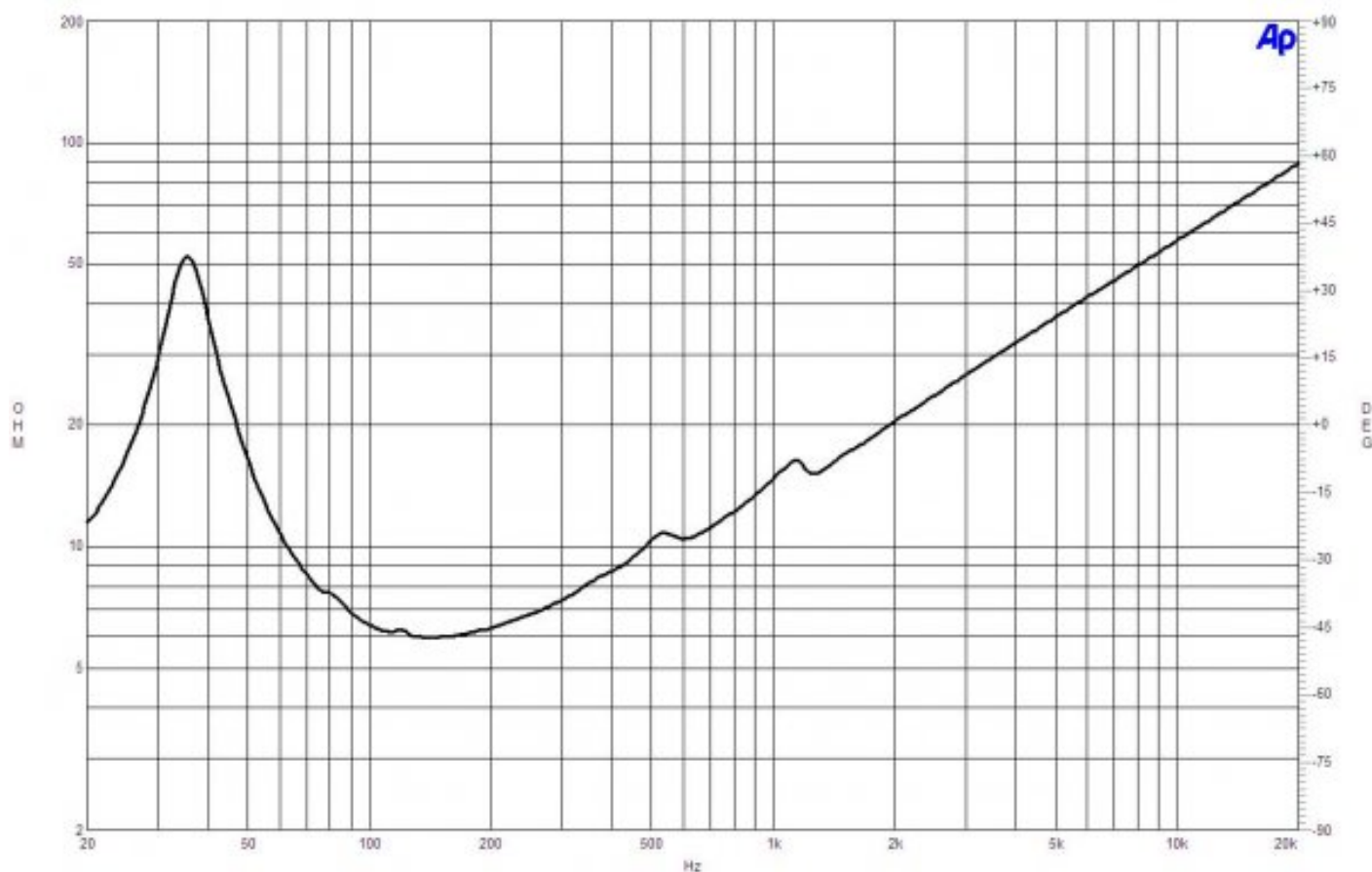
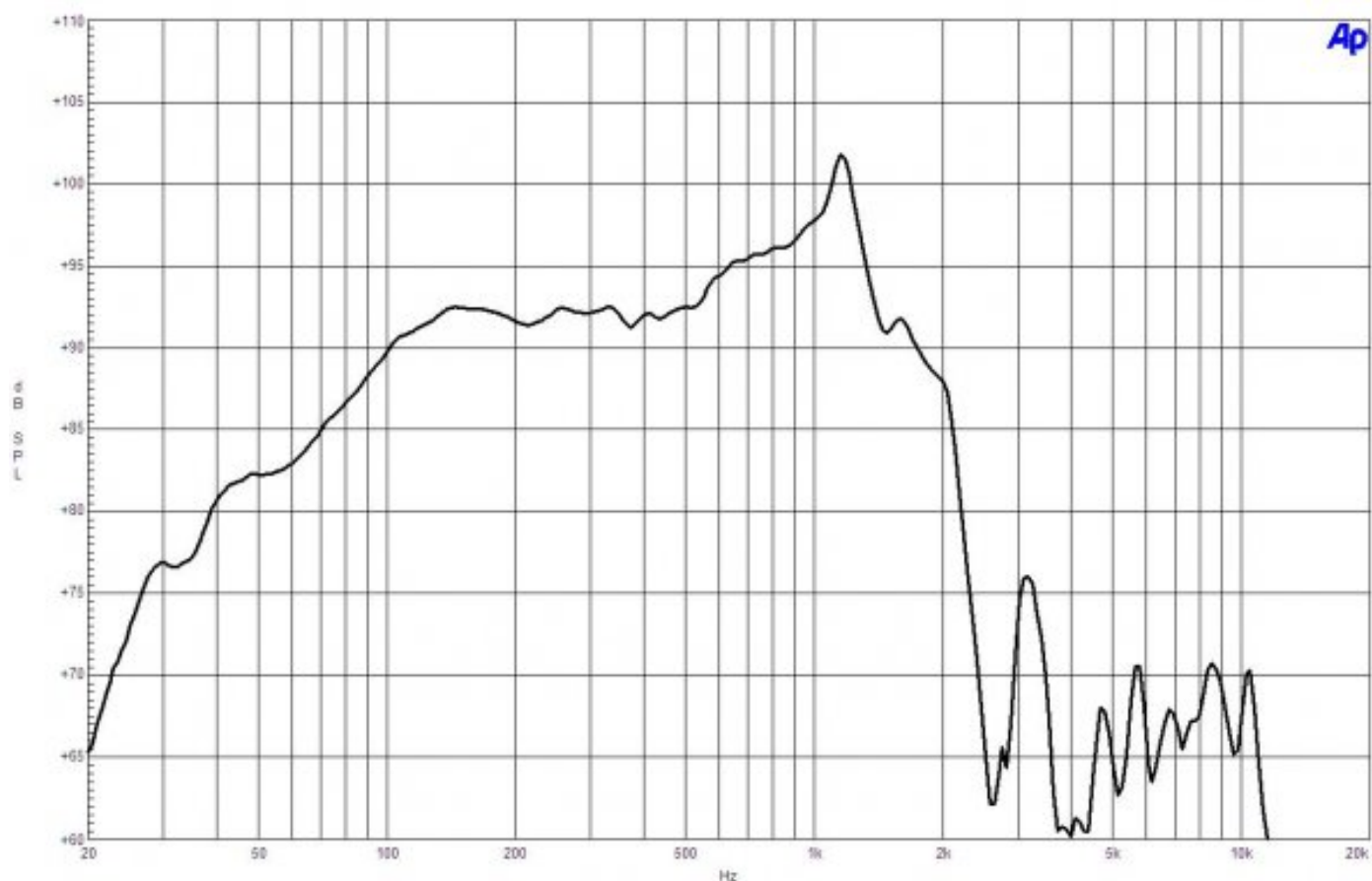
Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354 mm (13.9 in)
Depth	189 mm (7.44 in)
Flange and Gasket Thickness	24 mm (0.94 in)
Air Volume Occupied by Driver	6 dm³ (0.21 ft³)
Net Weight	8.8 kg (19.4 lb)
Shipping Units	1 pcs
Shipping Weight	10.1 kg (22.27 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

SERVICE KITS

LF recone-kits	RCK15BG1008
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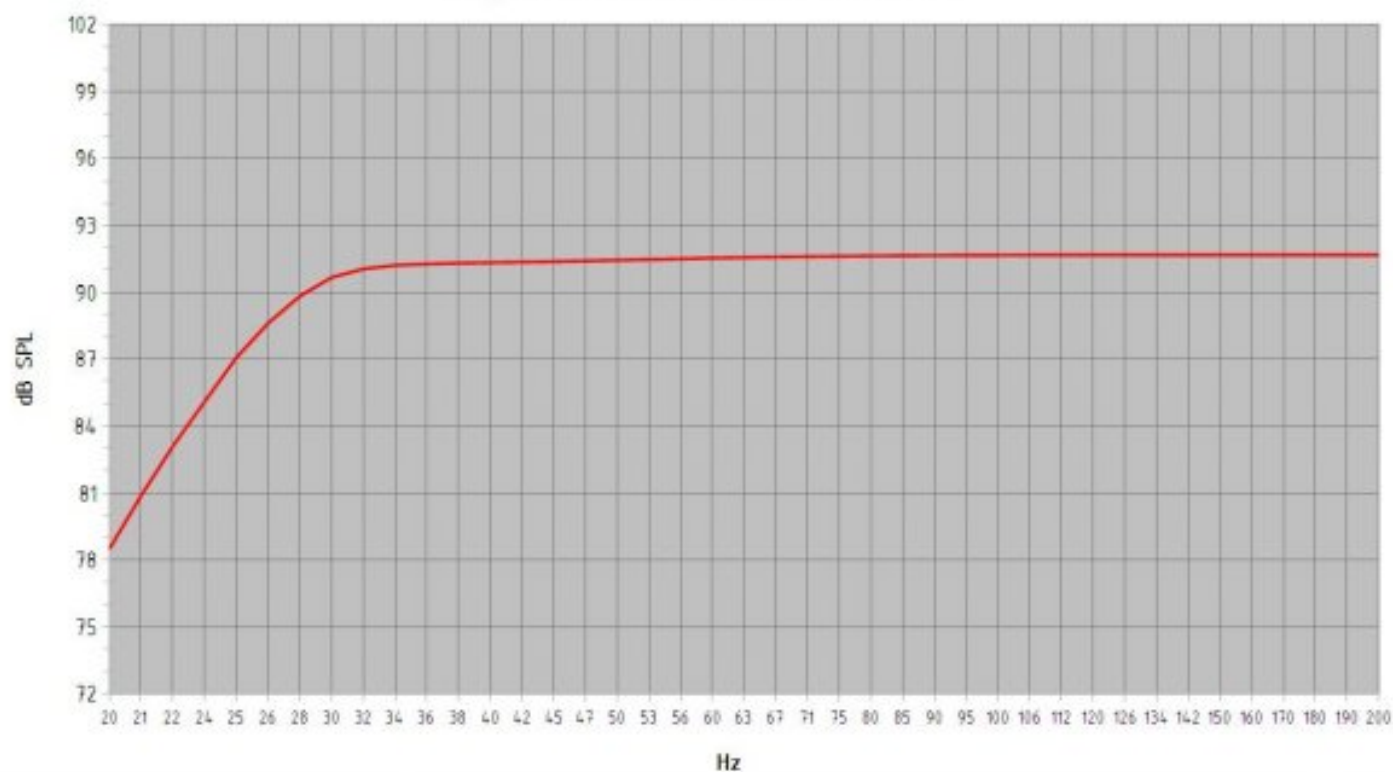


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Frequency Response (2,83 Vrms/1 m)



Model: **15 BG 100**
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters):	160	Port Area (cm ²):	222,3
Tuning Frequency (Hz):	29	Port Length (cm):	35,1
Frequency (-3 dB) (Hz):	26,5		

Excursion Limited Maximum SPL at 1 meter (dB):	115,7	equal to	337,7 Watts	(Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	120,4	equal to	1000,0 Watts	(Mid Band Power Rating)

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