

8BG51 8 Ω

Woofer

- 500 W continuous program power capacity
- 51 mm (2 in) copper voice coil
- 50 - 4000 Hz response
- 92 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Shorting copper cap for extended HF response
- Ventilated voice coil gap for reduced power compression



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SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
Nominal Power Handling	250 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	500 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	92 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	50 Hz - 4000 Hz
Voice Coil Diameter	51 mm (2 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	17 mm (0.65 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.15 T
Woofer Cone Treatment	WP Waterproof Front Side

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	52 Hz
Re	5.1 Ω
Qes	0.42
Qms	12.3
Qts	0.4
Vas	18 dm³ (0.63 ft³)
Sd	220 cm² (34.1 in²)
η ₀	0.6 %
X _{max}	6.5 mm
X _{var}	8 mm
M _{ms}	35 g
Bl	11.8 Tm
Le	0.5 mH
EBP	124 Hz

DESIGN

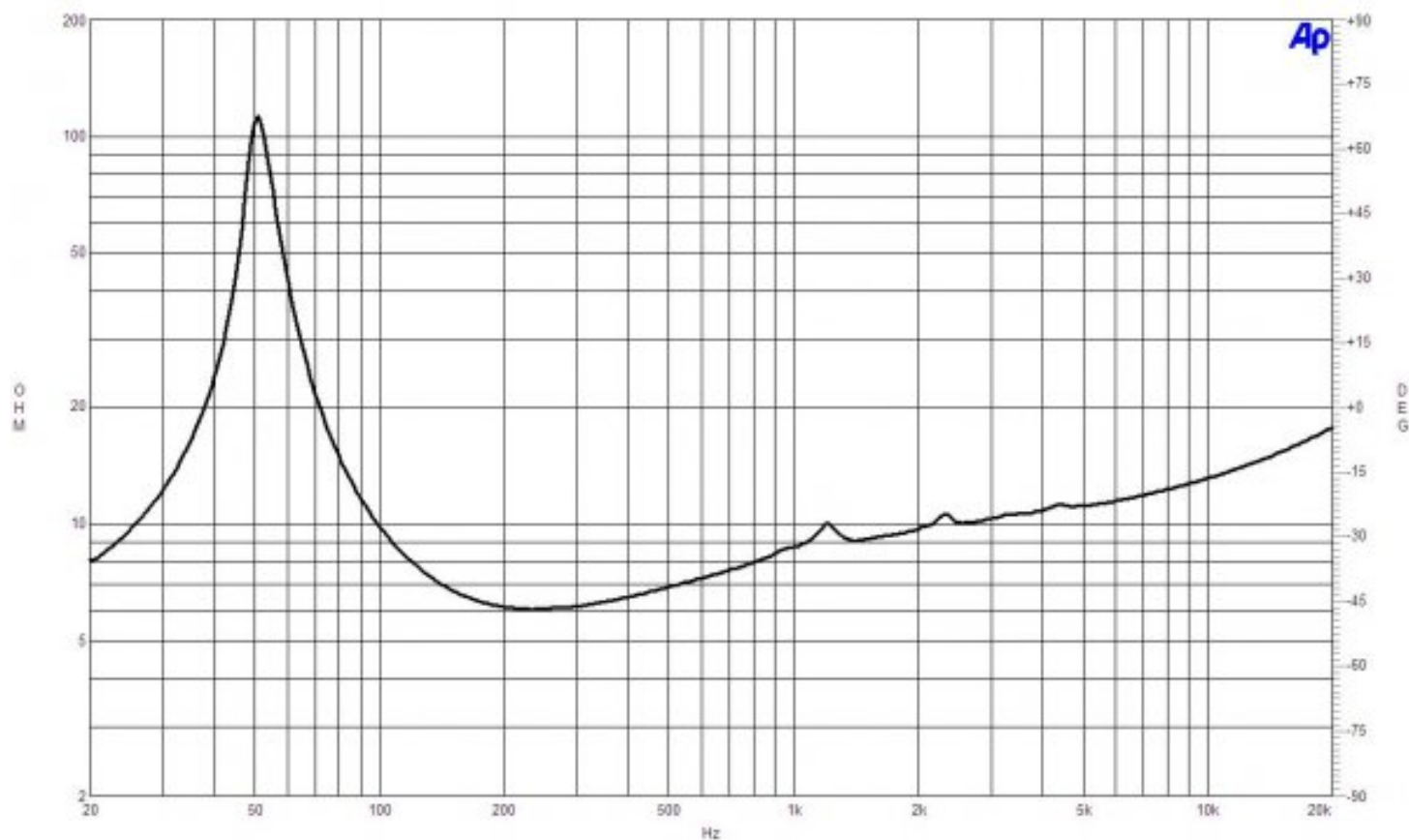
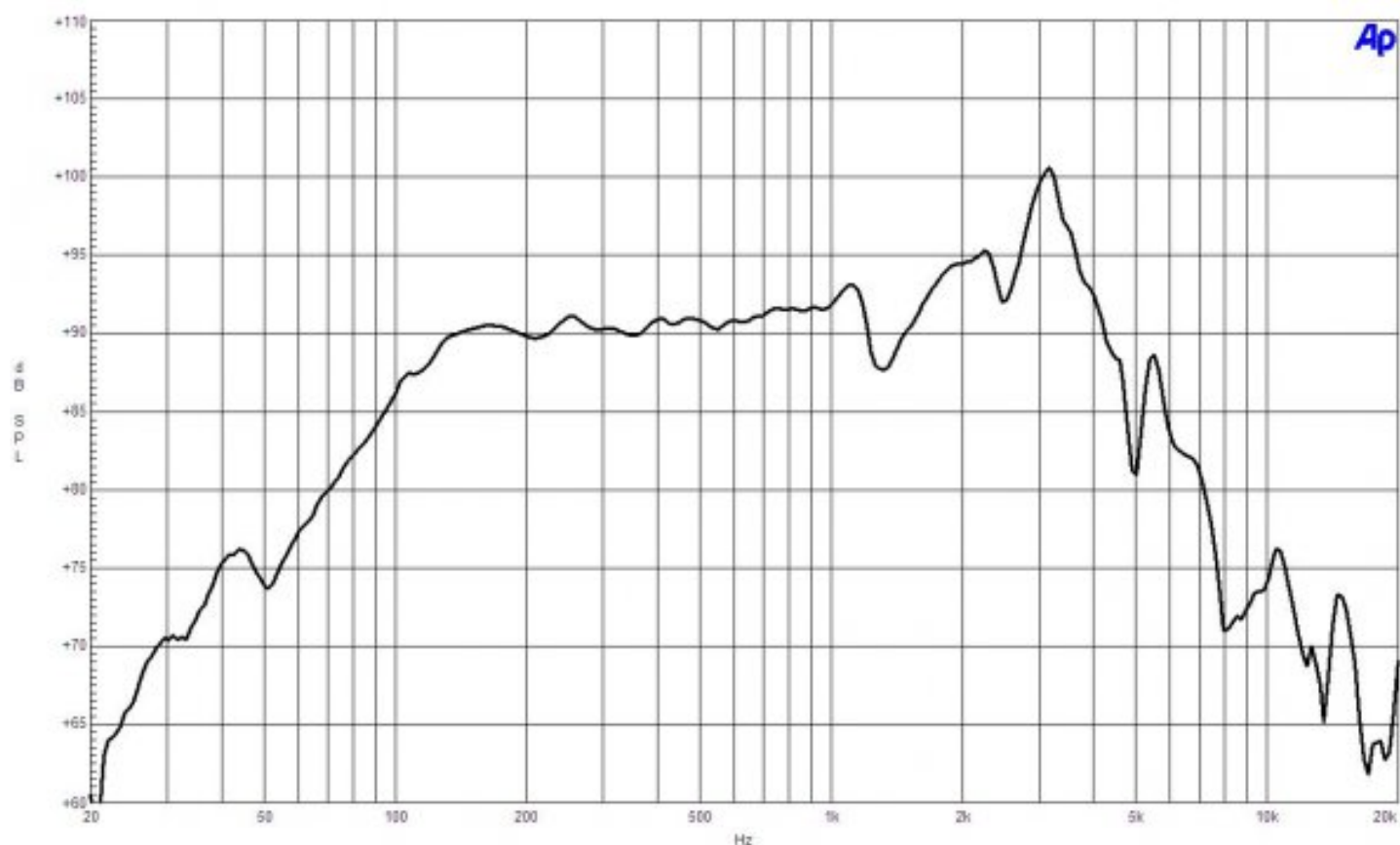
Surround Shape	Roll
Cone Shape	Exponential
Magnet Material	Neodymium Inside Slug
Spider	Single
Pole Design	T-Pole
Woofer Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	19 dm³ (0.67 ft³)
Recommended Tuning	49 Hz

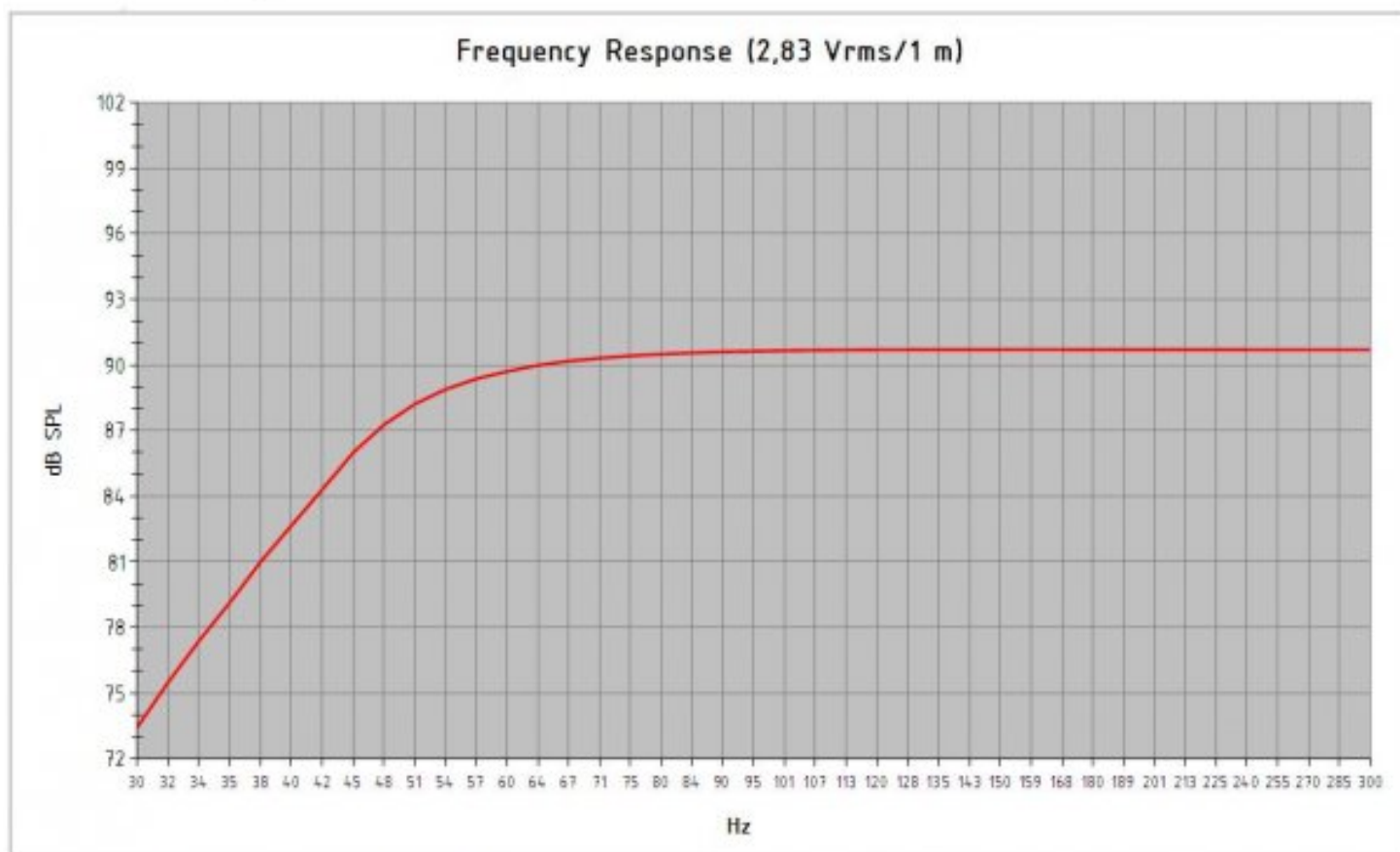
MOUNTING AND SHIPPING INFO

Overall Diameter	225 mm (8.8 in)
Bolt Circle Diameter	210 mm (8.3 in)
Baffle Cutout Diameter	187 mm (7.4 in)
Depth	90 mm (3.5 in)
Flange and Gasket Thickness	11 mm (0.43 in)
Air Volume Occupied by Driver	1.1 dm³ (0.04 ft³)
Net Weight	1.85 kg (4.08 lb)
Shipping Units	1 pcs
Shipping Weight	2.3 kg (5.07 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.91 in)

SERVICE KITS

LF recone-kits	RCK008BG518
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Model: **8 BG 51**
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters):	19	Port Area (cm ²):	32,2
Tuning Frequency (Hz):	49	Port Length (cm):	15,7
Frequency (-3 dB) (Hz):	49,0		

Excursion Limited Maximum SPL at 1 meter (dB):	109,8	equal to	112,6 Watts	(Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	113,2	equal to	250,0 Watts	(Mid Band Power Rating)

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