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 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**250 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**500 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**92 dB**
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 dm^3 (0.63 ft^3)**
Sd	**220 cm^2 (34.1 in^2)**
η0	**0.6 %**
Xmax	**6.5 mm**
Xvar	**8 mm**
Mms	**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 dm^3 (0.67 ft^3)**
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 dm^3 (0.04 ft^3)**
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)**

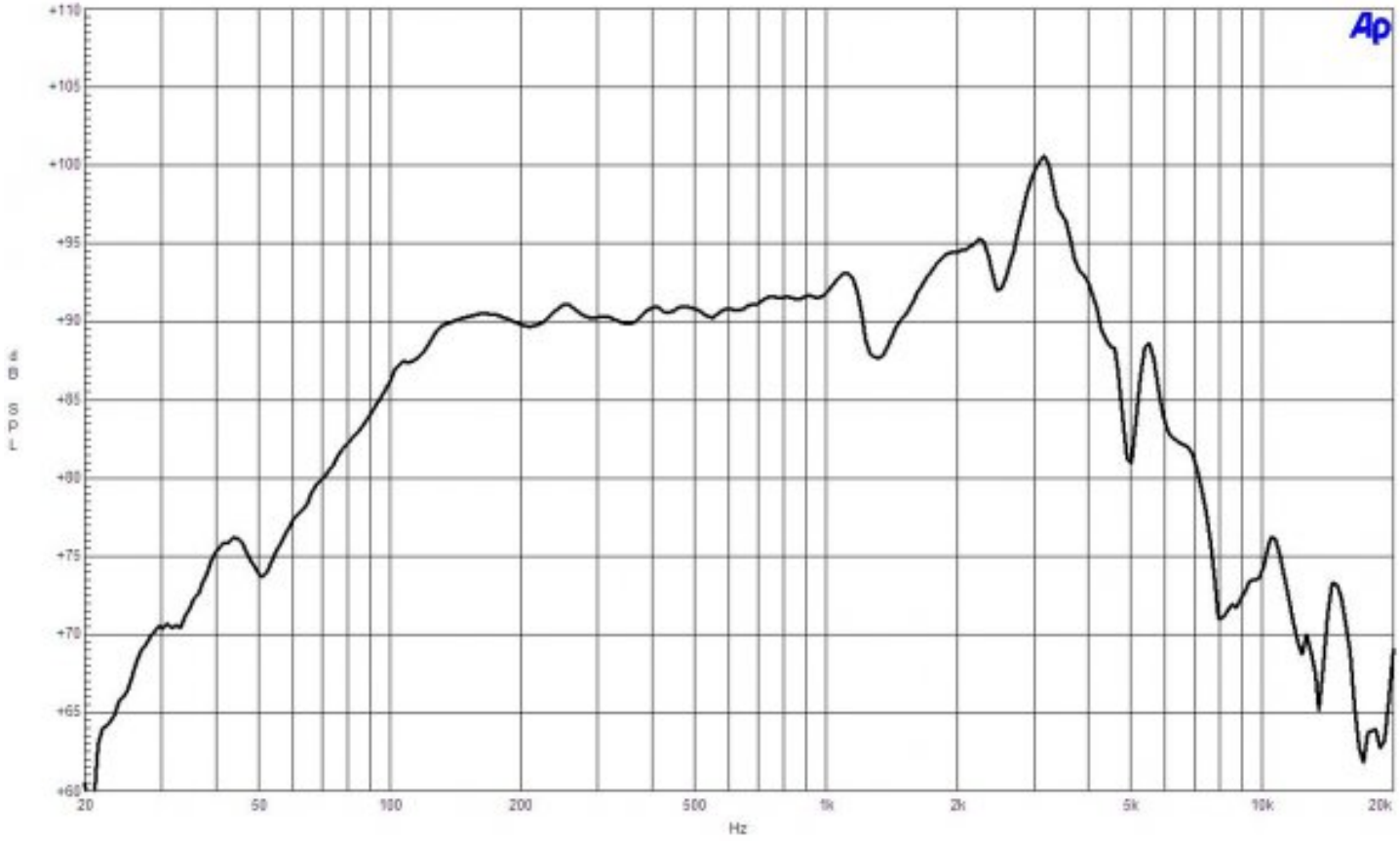
SERVICE KITS

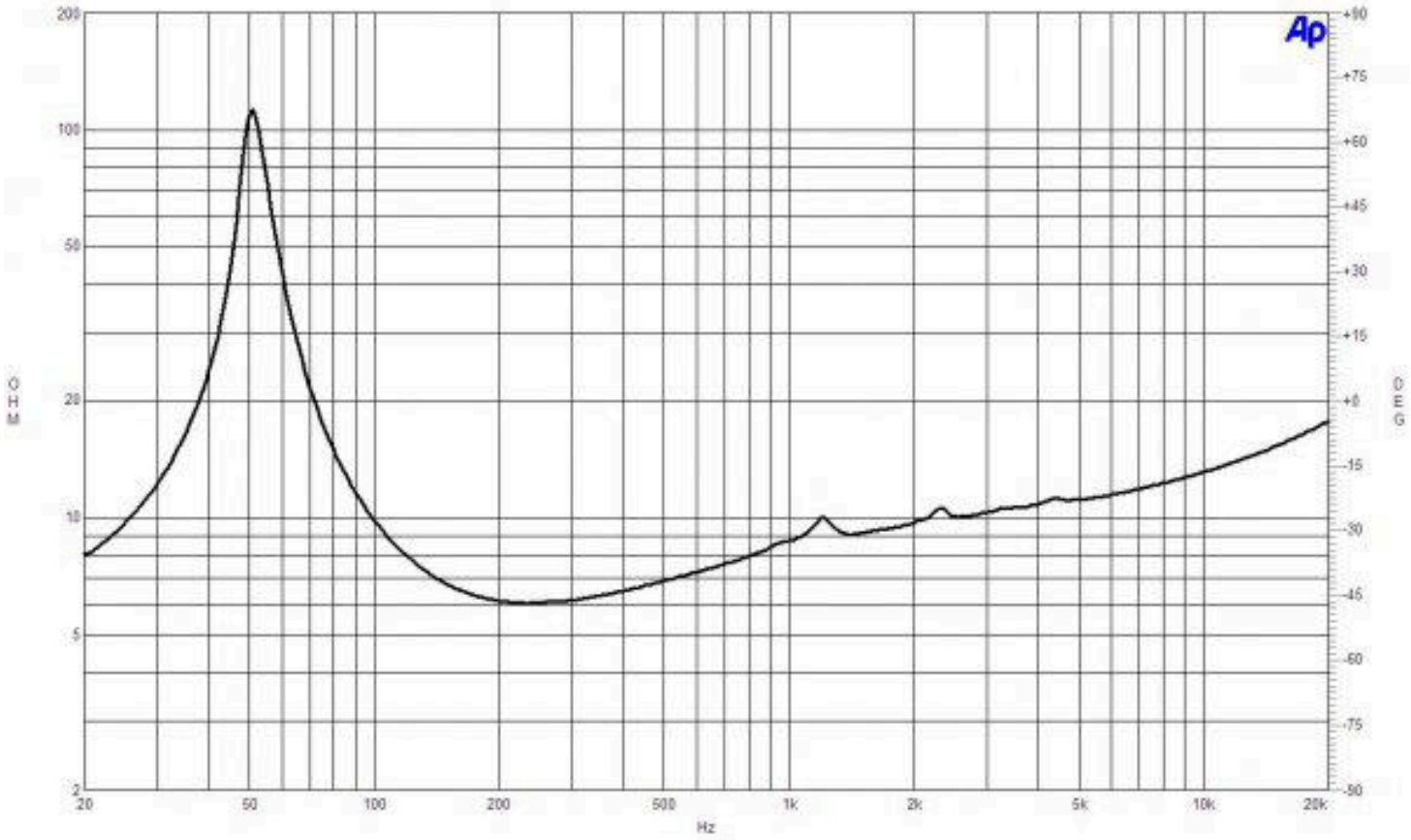
LF recone-kits	**RCK008BG518**

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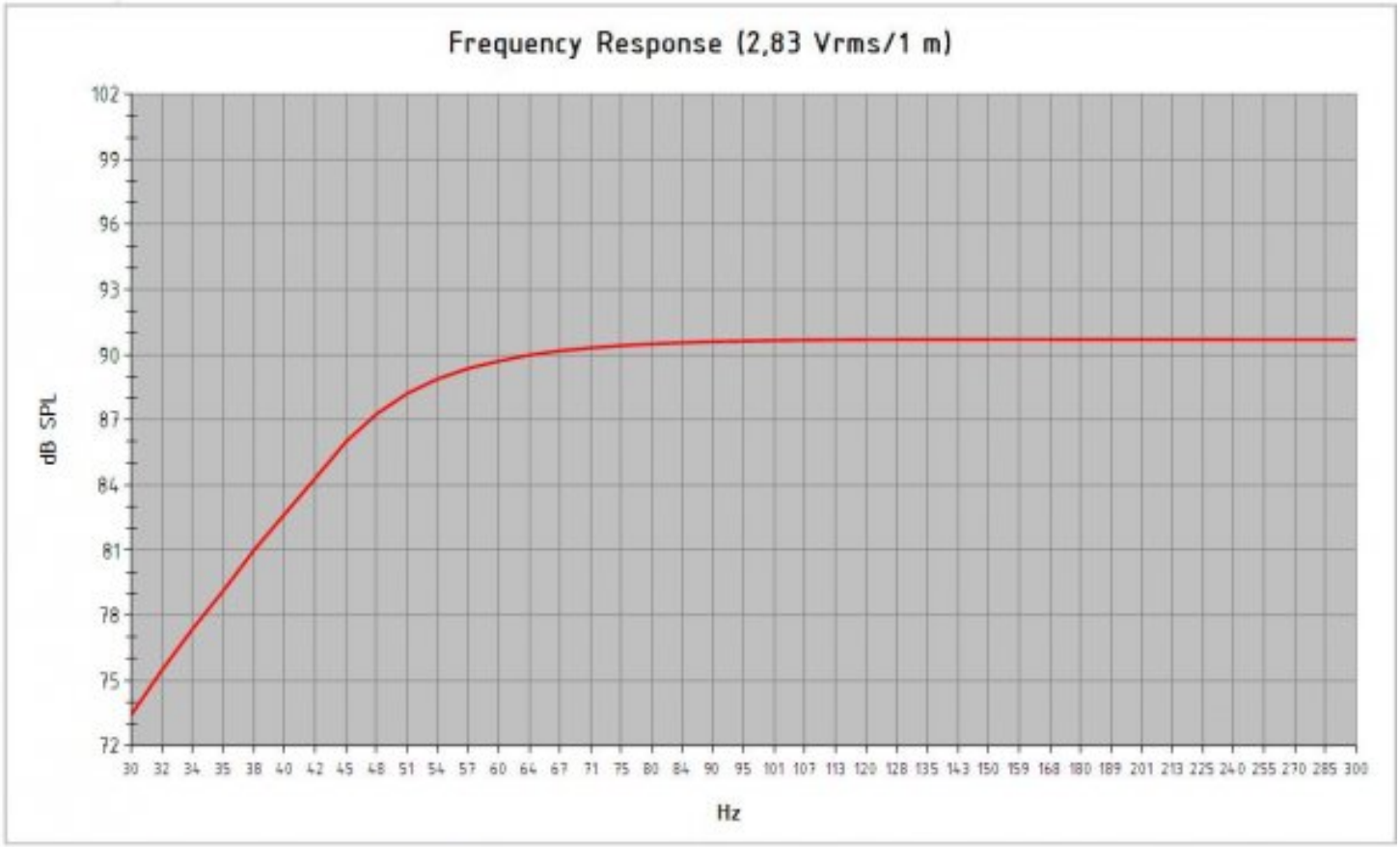
Woofer





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Model:	***8 BG 51***				
Enclosure Type:	***Bass Reflex***				
Internal Net Volume (Liters):	***19***				
Tuning Frequency (Hz):	***49***	*Port Area (cm²):*	***32,2***		
Frequency (-3 dB) (Hz):	***49,0***	*Port Length (cm):*	***15,7***		
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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