

12PLB100 8 Ω

Woofer

- 1200 W continuous program power capacity
- 100 mm (4 in) aluminium voice coil
- 50 - 2500 Hz response
- 97 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Aluminium demodulating ring allows a very low distortion figure
- 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	6 Ω
Nominal Power Handling	600 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	1200 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	97 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	50 Hz - 2500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	23 mm (0.91 in)
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1 T
Woofers Cone Treatment	WP Waterproof Front Side

PARAMETERS

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

Fs	50 Hz
Re	5.1 Ω
Qes	0.38
Qms	9.2
Qts	0.37
Vas	47 dm³ (1.66 ft³)
Sd	531 cm² (82 in²)
η ₀	1.7 %
X _{max}	9 mm
X _{var}	7 mm
M _{ms}	77 g
Bl	18.4 Tm
Le	1.6 mH
EBP	132 Hz

DESIGN

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Single
Pole Design	T-Pole
Woofers Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	40 dm³ (1.41 ft³)
Recommended Tuning	52 Hz

MOUNTING AND SHIPPING INFO

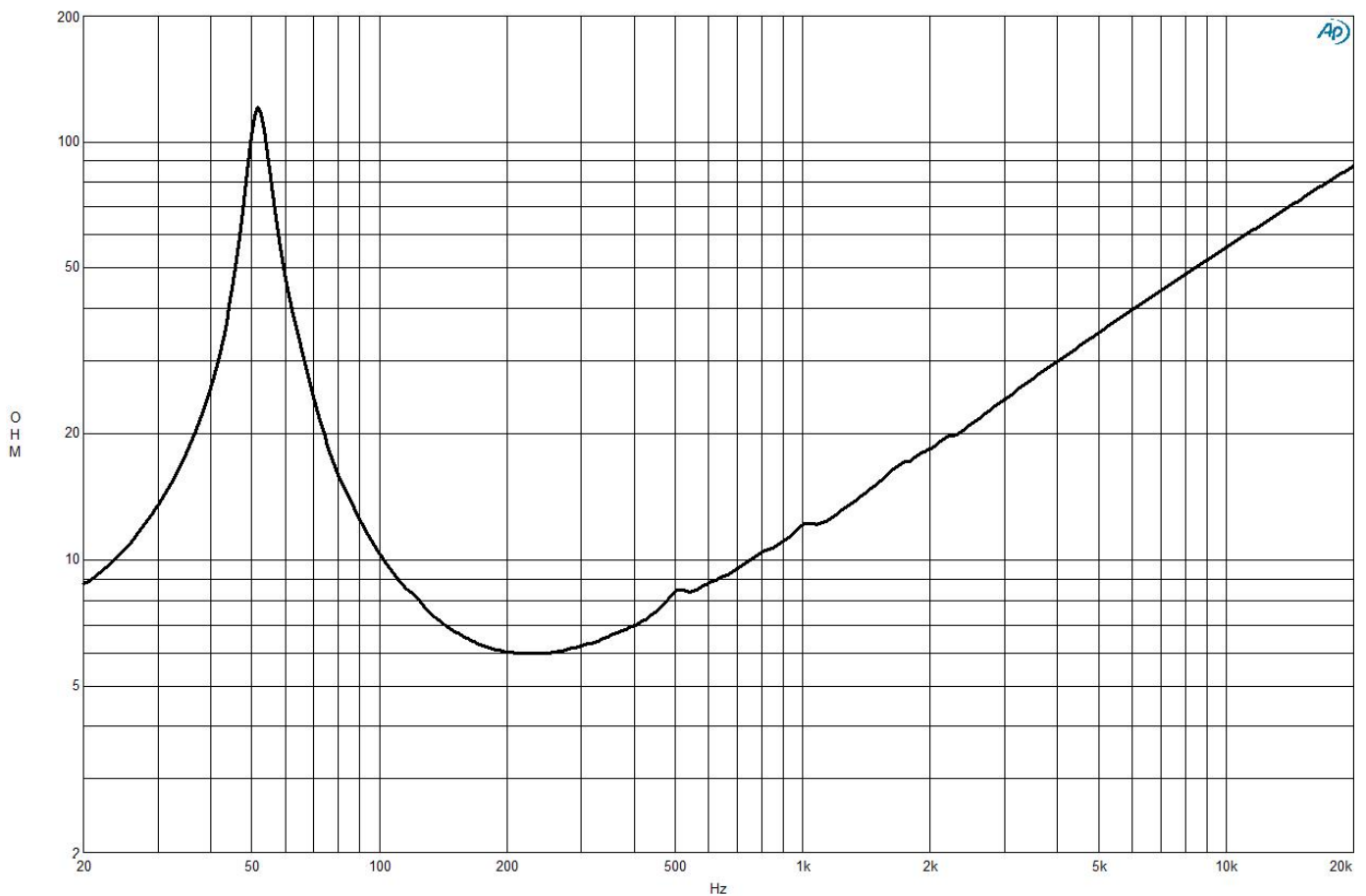
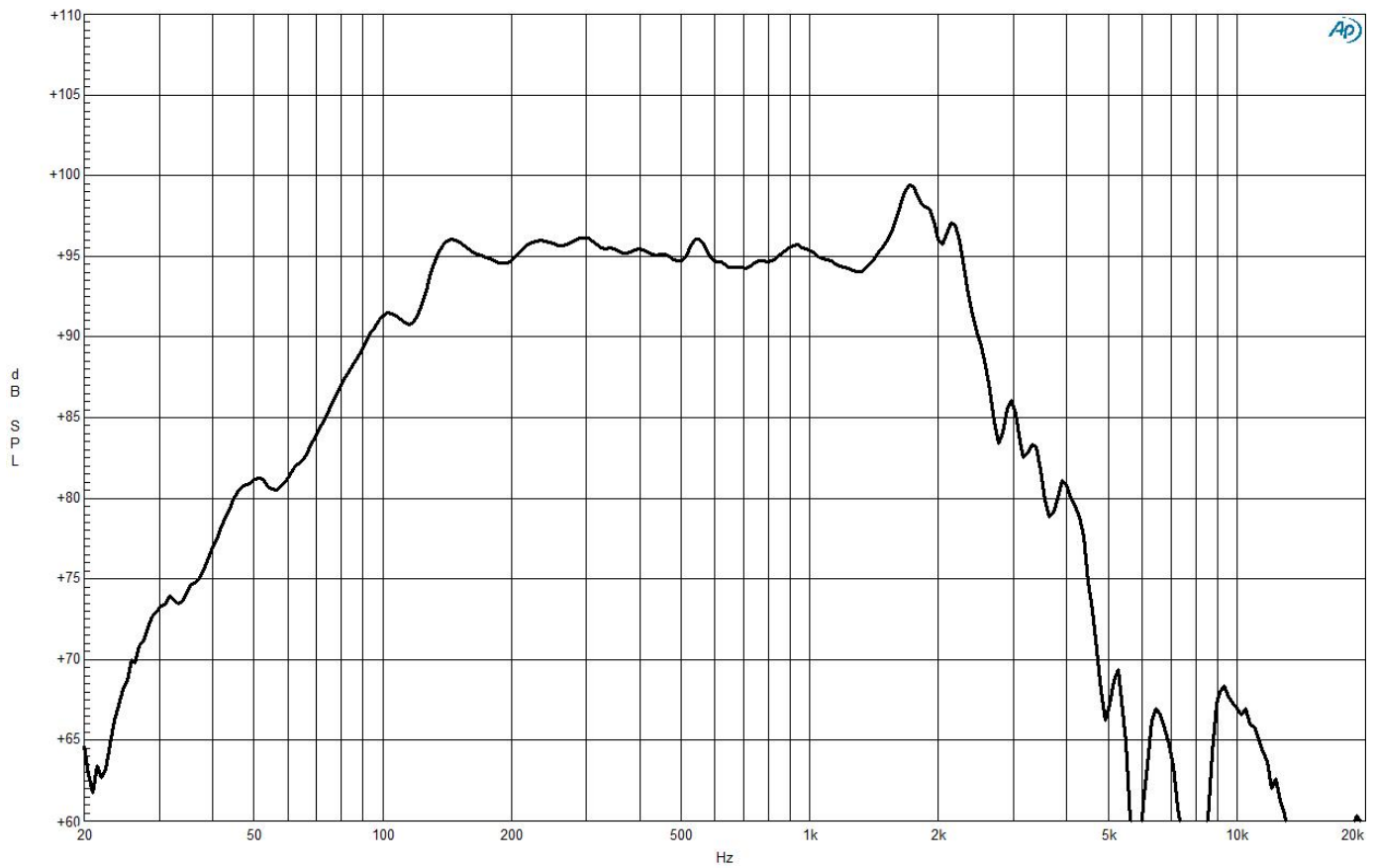
Overall Diameter	319 mm (12.5 in)
Bolt Circle Diameter	299 mm (11.8 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	122 mm (4.8 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Air Volume Occupied by Driver	3.5 dm³ (0.12 ft³)
Net Weight	8.4 kg (18.52 lb)
Shipping Units	1 pcs
Shipping Weight	9.3 kg (20.5 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

SERVICE KITS

LF recone-kits	RCK12PLB1008
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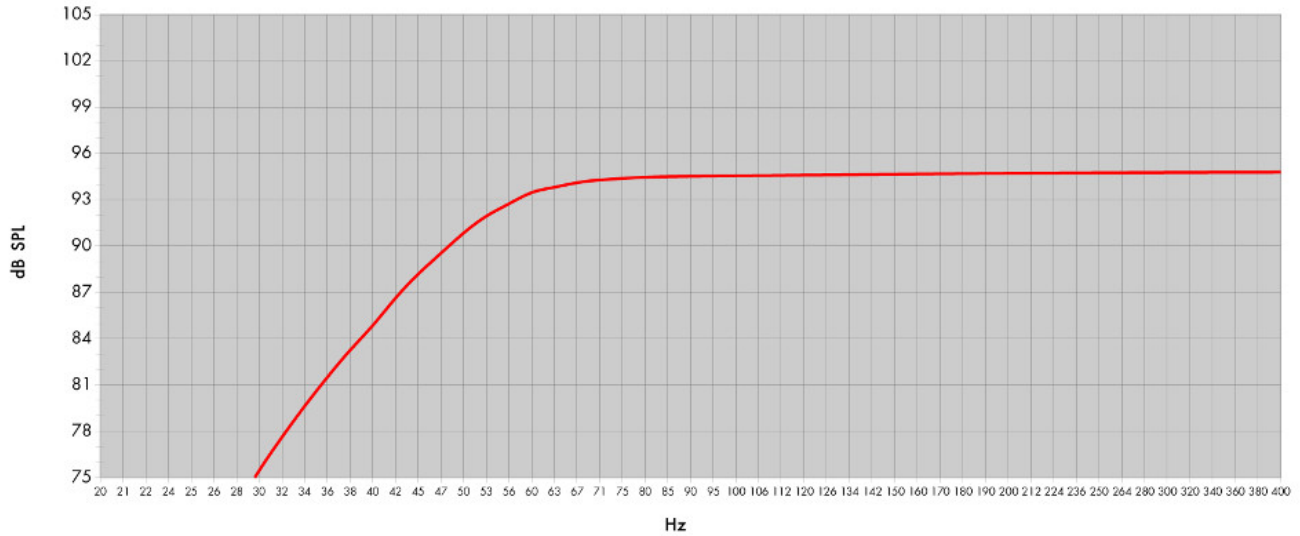
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Frequency Response (1W/1m)



Model:	12PLB100	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	40	QB:	7
Tuning Frequency (Hz):	52	Port Area (cm ²):	140,0
Frequency (-3 dB) (Hz):	52,7	Port Length (cm):	20,3
Frequency (-10 dB) (Hz):	40,0		

