

12FG100 4 Ω

Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 34 - 1000 Hz response
- 91 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Ferrite 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	4 Ω
Minimum Impedance	2.9 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	91 dB
Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.	
Frequency Range	34 Hz - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	26.5 mm (1.04 in)
Magnetic Gap Depth	12 mm (0.47 in)
Flux Density	1.1 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	34 Hz
Re	2.9 Ω
Qes	0.34
Qms	5.4
Qts	0.32
Vas	53 dm³ (1.87 ft³)
Sd	522 cm² (80.91 in²)
η ₀	0.57 %
X _{max}	10.3 mm
X _{var}	14 mm
M _{ms}	161.9 g
Bl	17.24 Tm
Le	1.15 mH
EBP	100 Hz

DESIGN

Surround Shape	Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	50 dm³ (1.77 ft³)
Recommended Tuning	34 Hz

MOUNTING AND SHIPPING INFO

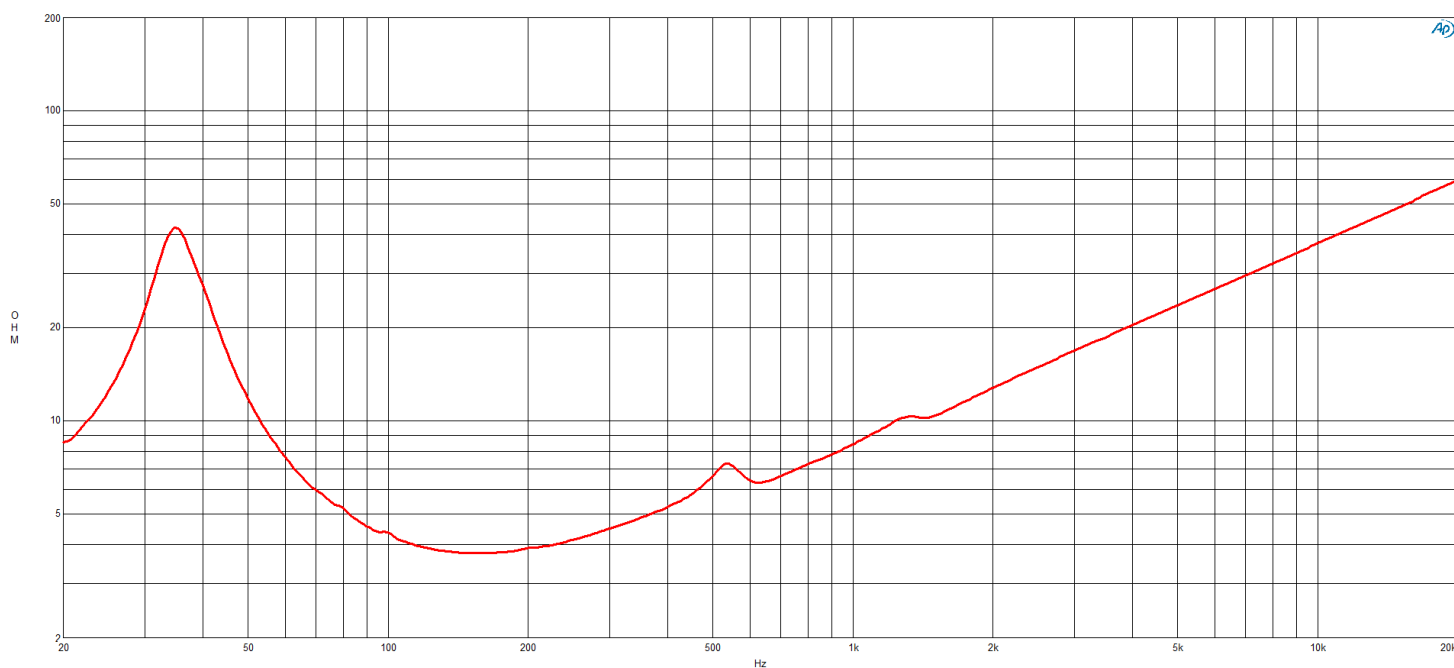
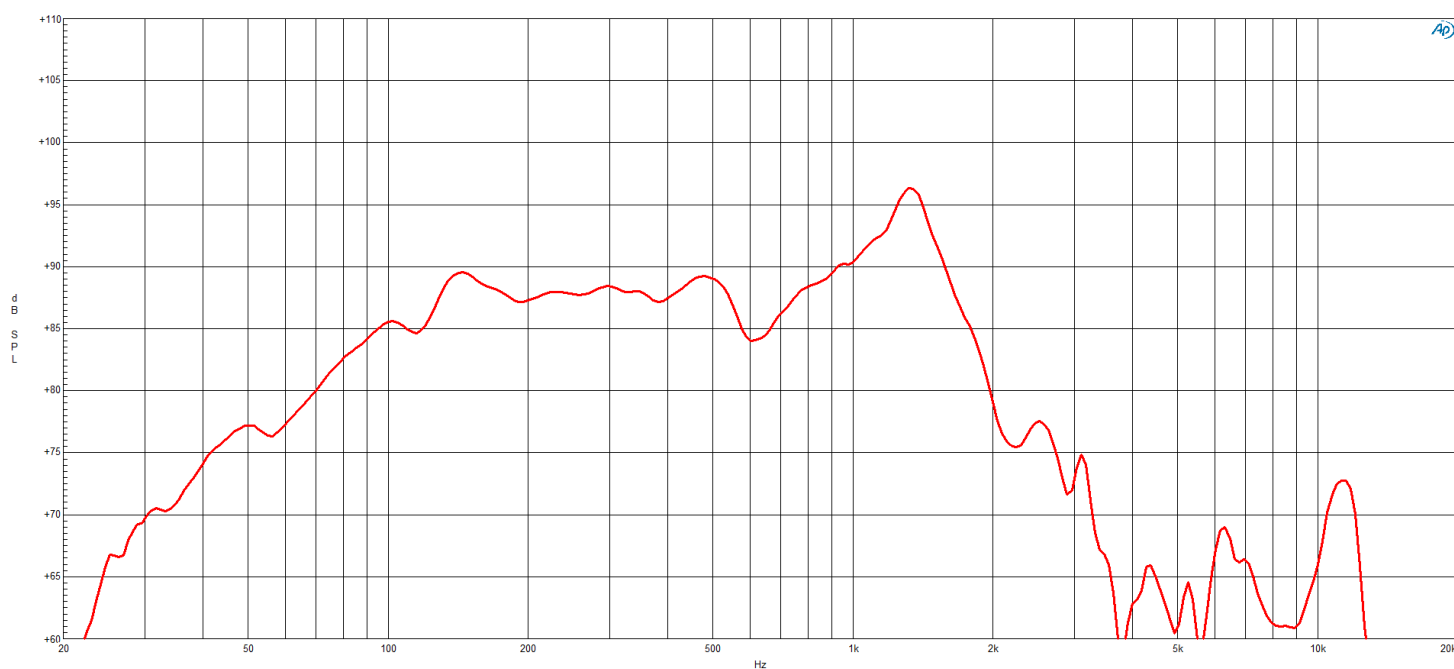
Overall Diameter	320 mm (12.6 in)
Bolt Circle Diameter	299 mm (11.77 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	150 mm (5.91 in)
Flange and Gasket Thickness	20 mm (0.81 in)
Air Volume Occupied by Driver	3 dm³ (0.11 ft³)
Net Weight	12.55 kg (27.67 lb)
Shipping Units	1 pcs
Shipping Weight	13.45 kg (29.65 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

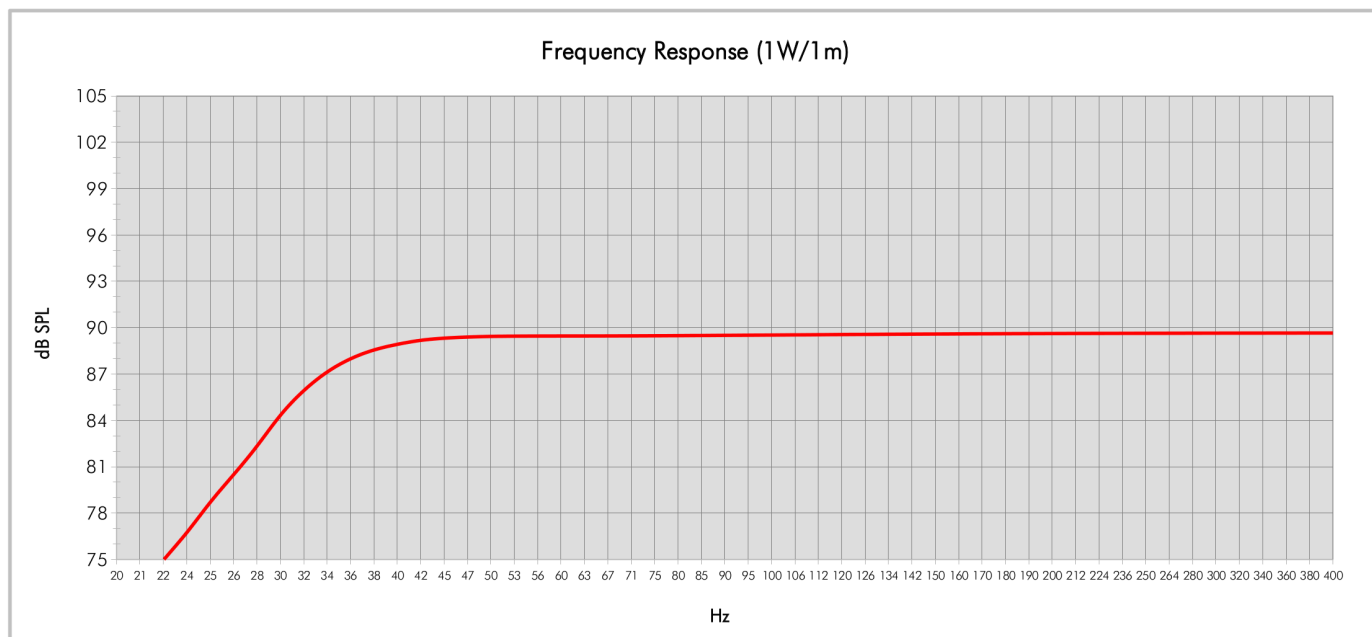
SERVICE KITS

LF recone-kits	RCK12FG1004
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Model:	12FG100	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	50	QB:	7
Tuning Frequency (Hz):	34	Port Area (cm²):	100,0
Frequency (-3 dB) (Hz):	33,2	Port Length (cm):	32,2
Frequency (-10 dB) (Hz):	25,8		

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