

14NA100 8 Ω

Woofer

- 1600 W continuous program power capacity
- 100 mm (4 in) aluminum voice coil
- 45 - 2000 Hz response
- 99 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression

A four inch voice coil gives the 14NA100 mid-bass higher power handling and longer excursion capabilities, while an inside slug neodymium magnet provides high motor strength and efficiency. This all around performer is perfect for maximum output two way applications, especially thanks to its aluminum demodulating ring which reduces distortion and flattens impedance into the mid frequencies.



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SPECIFICATIONS

Nominal Diameter	359 mm (14 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling	800 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	1600 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	99 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	45 Hz - 2000 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	11 mm (0.43 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	43 Hz
Re	5.1 Ω
Qes	0.24
Qms	5.6
Qts	0.23
Vas	99.5 dm³ (3.51 ft³)
Sd	707 cm² (109.59 in²)
η0	3.1 %
Xmax	8.8 mm
Xvar	8.5 mm
Mms	96.5 g
Bl	23.5 Tm
Le	0.74 mH
EBP	179 Hz

DESIGN

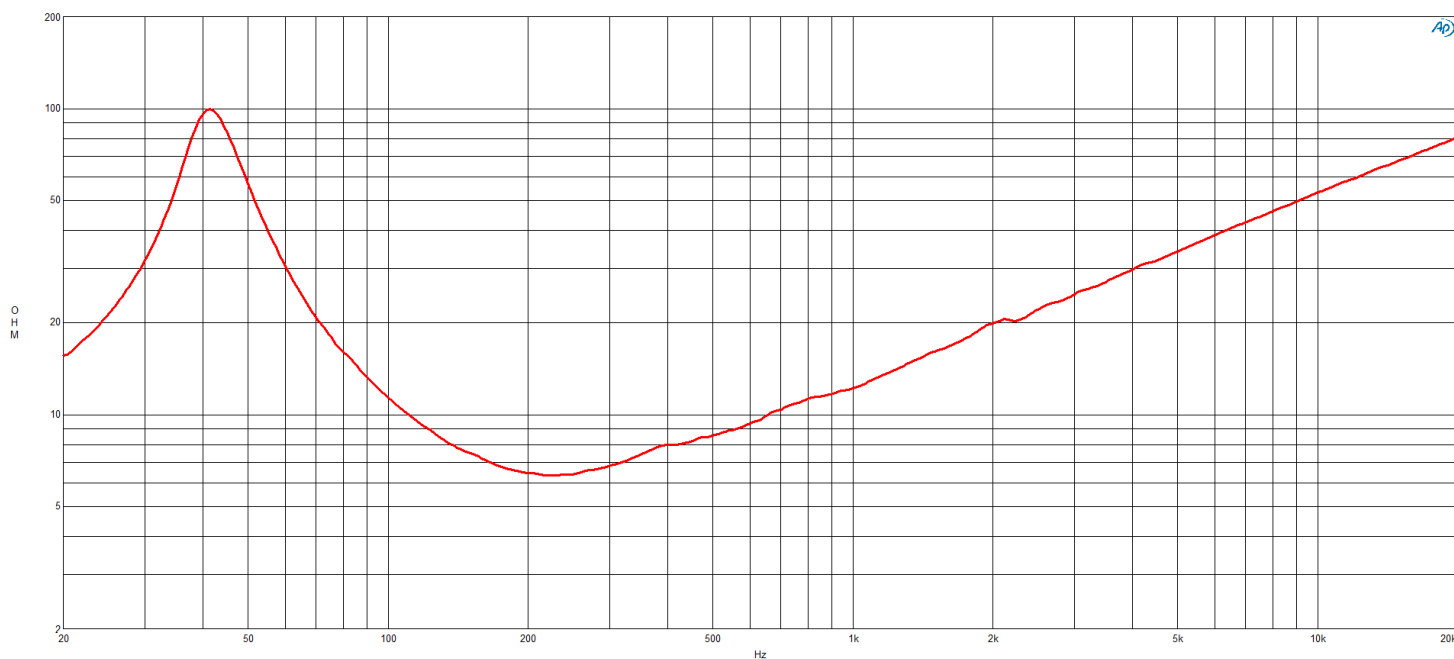
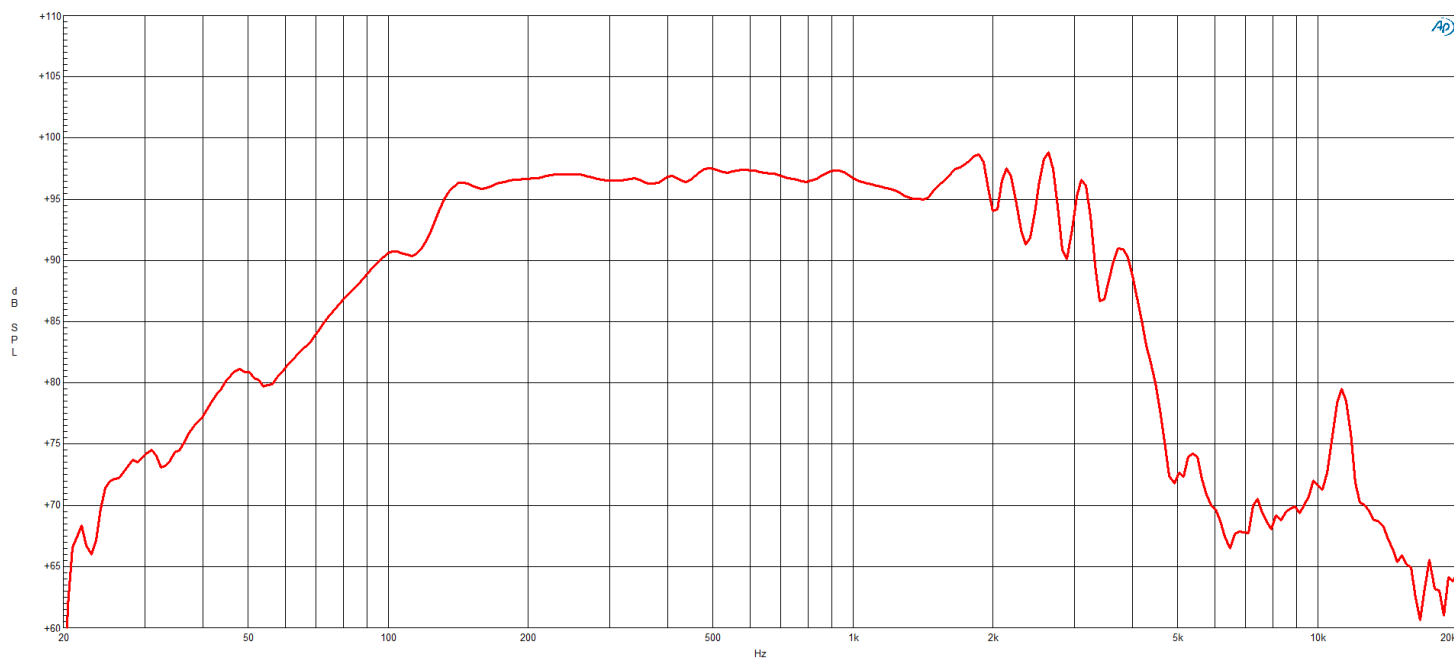
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	60 dm³ (2.12 ft³)
Recommended Tuning	50 Hz

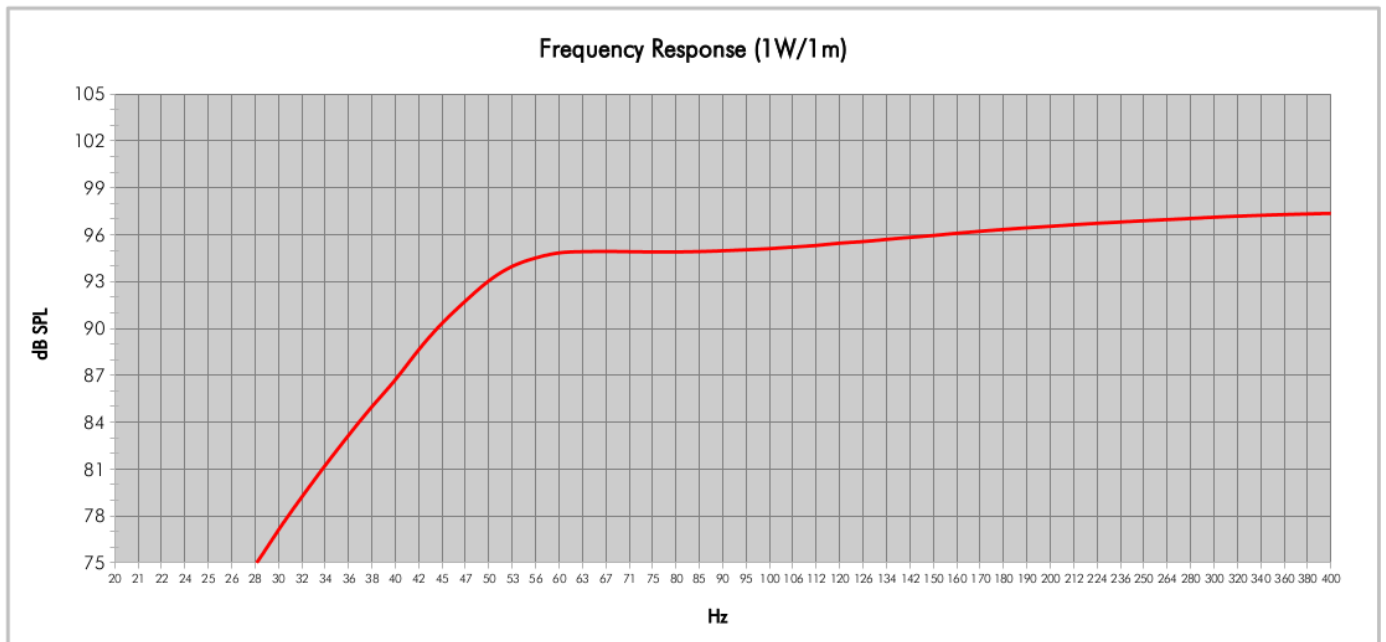
MOUNTING AND SHIPPING INFO

Overall Diameter	359 mm (14.13 in)
Bolt Circle Diameter	343 mm (13.5 in)
Baffle Cutout Diameter	324 mm (12.76 in)
Depth	176 mm (6.93 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Air Volume Occupied by Driver	3.5 dm³ (0.12 ft³)
Net Weight	8.3 kg (18.3 lb)
Shipping Units	1 pcs
Shipping Weight	9.6 kg (21.16 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

SERVICE KITS

LF recone-kits	RCK14NA1008
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Model:	14NW100	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	60	QB:	7
Tuning Frequency (Hz):	50	Port Area (cm ²):	140,0
Frequency (-3 dB) (Hz):	58,7	Port Length (cm):	16,4
Frequency (-10 dB) (Hz):	41,3		

LF Drivers

Ø 13.5 inches

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