

21DS115 4 Ω

Subwoofer

- 3400 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 30 - 500 Hz response
- 100 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion

This next evolution subwoofer uses a new, longer, four layer aluminum voice coil. The result is more energy in the gap, less heat, higher sensitivity, higher power handling, lower distortion and better overall performance. The 21DS115 features a 36 mm long, 4.5 inch diameter (116mm) Copper Clad Aluminum Wire voice coil. With a 1700watt AES power rating, 100 dB sensitivity, and 15 mm of Xmax, this high energy subwoofer is a significant step forward from similar models in the B&C range, even approaching the performance of our 6" voice coil alternatives.



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Subwoofer

SPECIFICATIONS

Nominal Diameter	530 mm (21 in)
Nominal Impedance	4 Ω
Minimum Impedance	3.1 Ω
Nominal Power Handling	1700 W
<small>2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.</small>	
Continuous Power Handling	3400 W
<small>Power on Continuous Program is defined as 3 dB greater than the Nominal rating.</small>	
Sensitivity	100 dB
<small>Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.</small>	
Frequency Range	30 Hz - 500 Hz
Voice Coil Diameter	116 mm (4.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	36 mm (1.42 in)
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	0.8 T
Woofer Cone Treatment	TWP Waterproof Both Sides

PARAMETERS

** Update March 2026 **

Fs	32 Hz
Re	2.1 Ω
Qes	0.22
Qms	9.8
Qts	0.21
Vas	219 dm³ (7.73 ft³)
Sd	1620 cm² (251.1 in²)
η ₀	3.3 %
X _{max}	15 mm
X _{var}	11.5 mm
M _{ms}	409 g
Bl	28.6 Tm
Le	2.3 mH
EBP	145 Hz

DESIGN

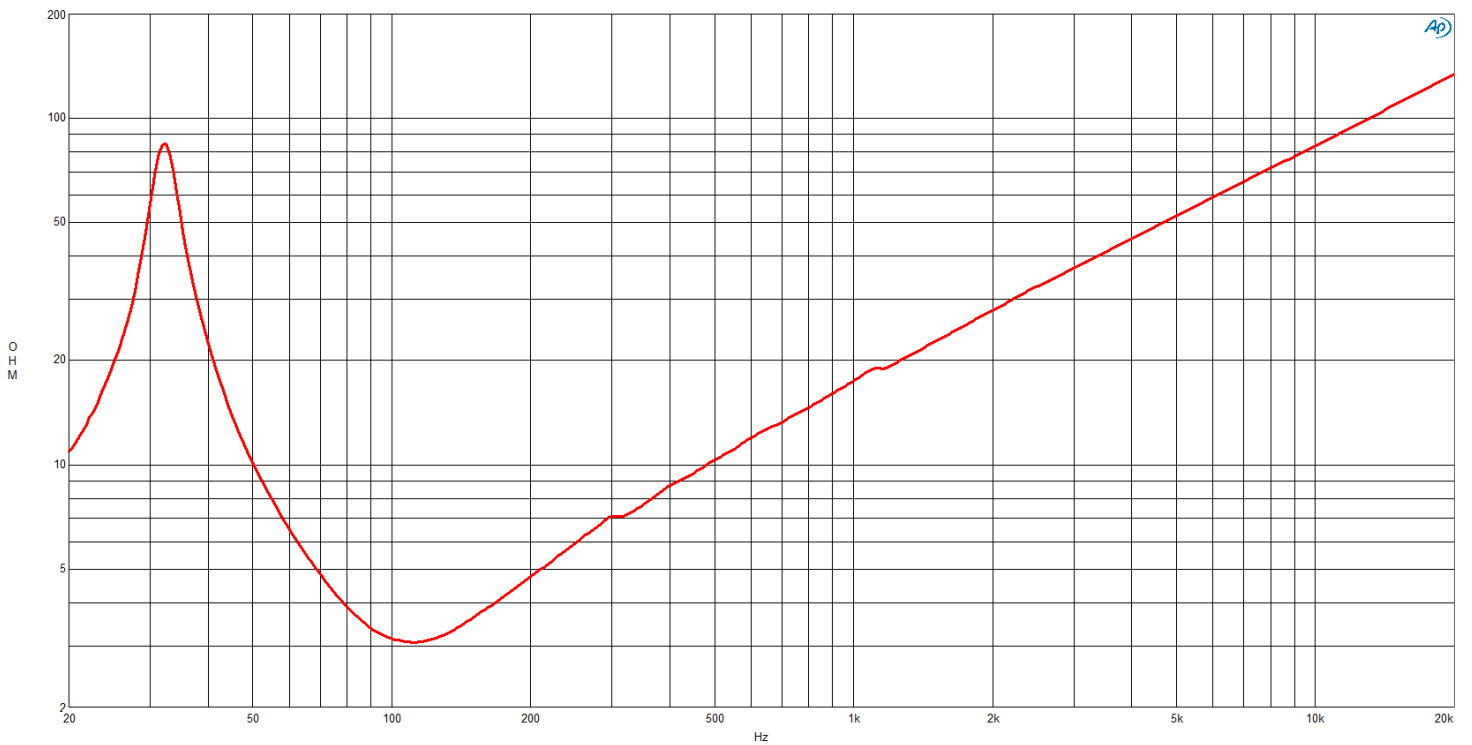
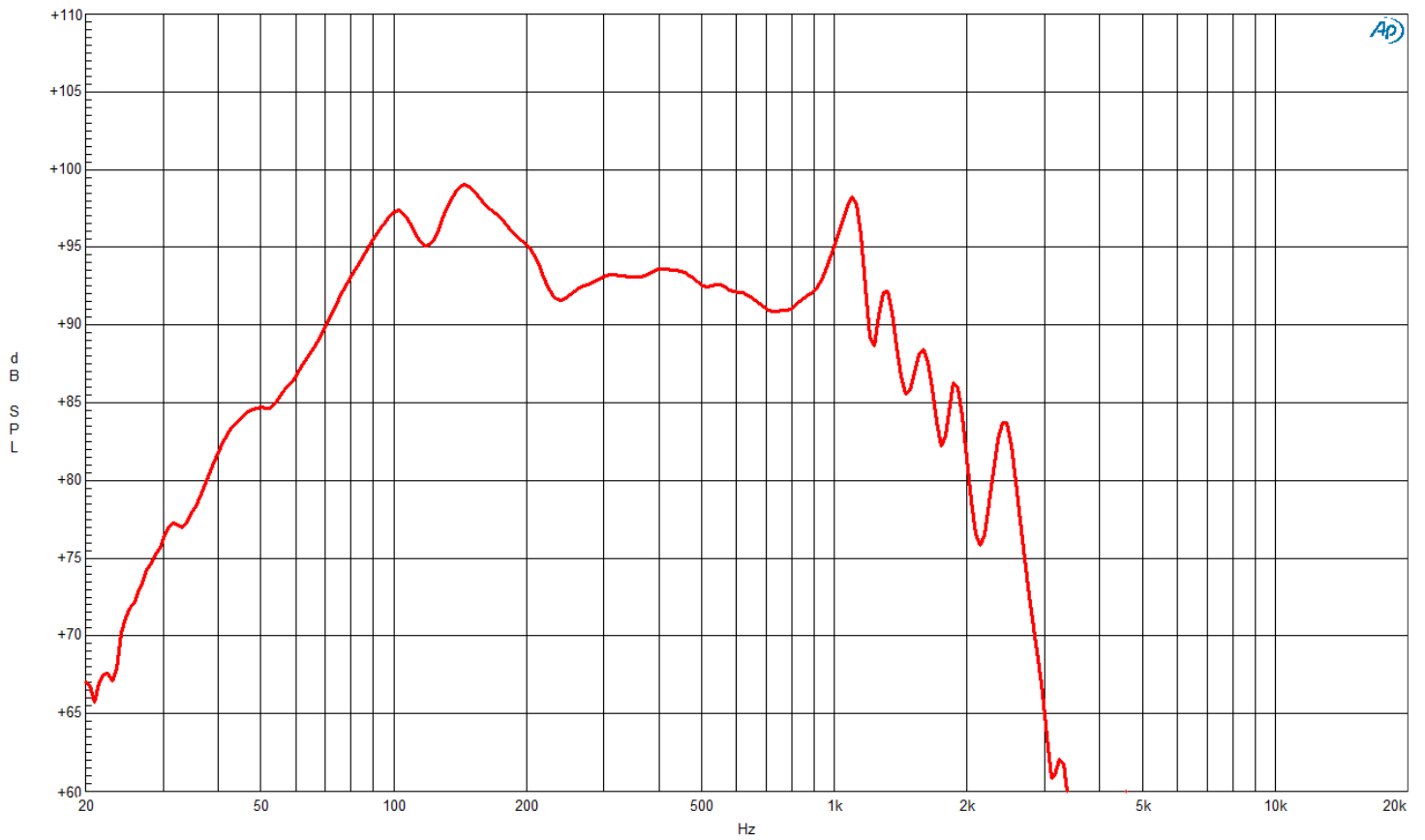
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	130 dm³ (4.59 ft³)
Recommended Tuning	40 Hz

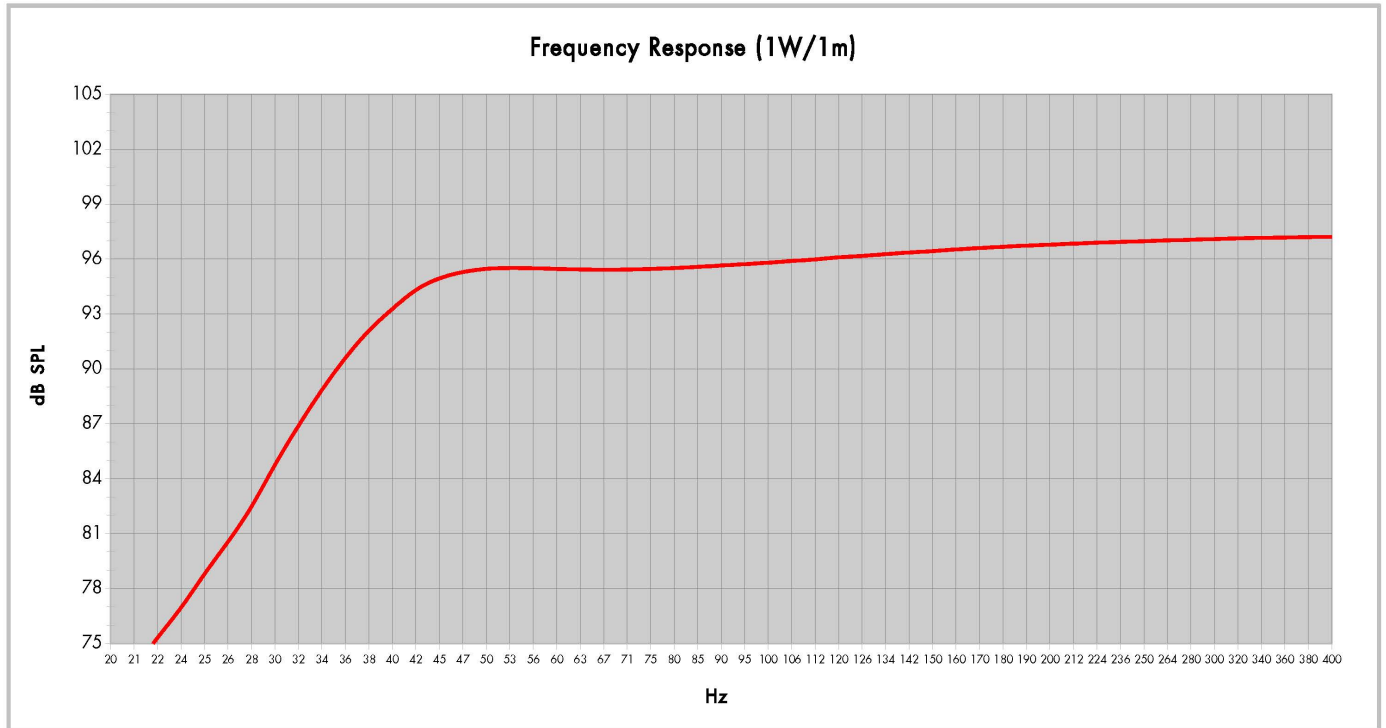
MOUNTING AND SHIPPING INFO

Overall Diameter	547 mm (21.54 in)
Bolt Circle Diameter	527 mm (20.7 in)
Baffle Cutout Diameter	508 mm (20 in)
Depth	255 mm (10.04 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Air Volume Occupied by Driver	15 dm³ (0.53 ft³)
Net Weight	14.7 kg (32.41 lb)
Shipping Units	1 pcs
Shipping Weight	17 kg (37.48 lb)
Shipping Box	570x570x320 mm (22.44x22.44x12.60 in)

SERVICE KITS

LF recone-kits	RCK21DS1154
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Model:	21DS115	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	130	QB:	7
Tuning Frequency (Hz):	40	Port Area (cm ²):	333,0
Frequency (-3 dB) (Hz):	42,7	Port Length (cm):	30,2
Frequency (-10 dB) (Hz):	32,5		

