21DS115 8 Ω

Subwoofer

- 3400 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 35 - 500 Hz response
- 99 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 40 mm long, 4.5 inch diameter (116mm) Copper Clad Aluminum Wire voice coil. With a 1700watt AES power rating, 99 dB sensitivity, and over 16.5mm 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	**8 Ω**
Minimum Impedance	**6.6 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.	**1700 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**3400 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**99 dB**
Frequency Range	**35 Hz - 500 Hz**
Voice Coil Diameter	**116 mm (4.5 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**40 mm (1.57 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	**34 Hz**
Re	**5.1 Ω**
Qes	**0.28**
Qms	**10.2**
Qts	**0.27**
Vas	**204 dm^3 (7.2 ft^3)**
Sd	**1620 cm^2 (251.1 in^2)**
η0	**2.7 %**
Xmax	**16.5 mm**
Xvar	**13.5 mm**
Mms	**404 g**
Bl	**39.3 Tm**
Le	**4.9 mH**
EBP	**121 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	**170 dm^3 (6 ft^3)**
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 dm^3 (0.53 ft^3)**
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)**

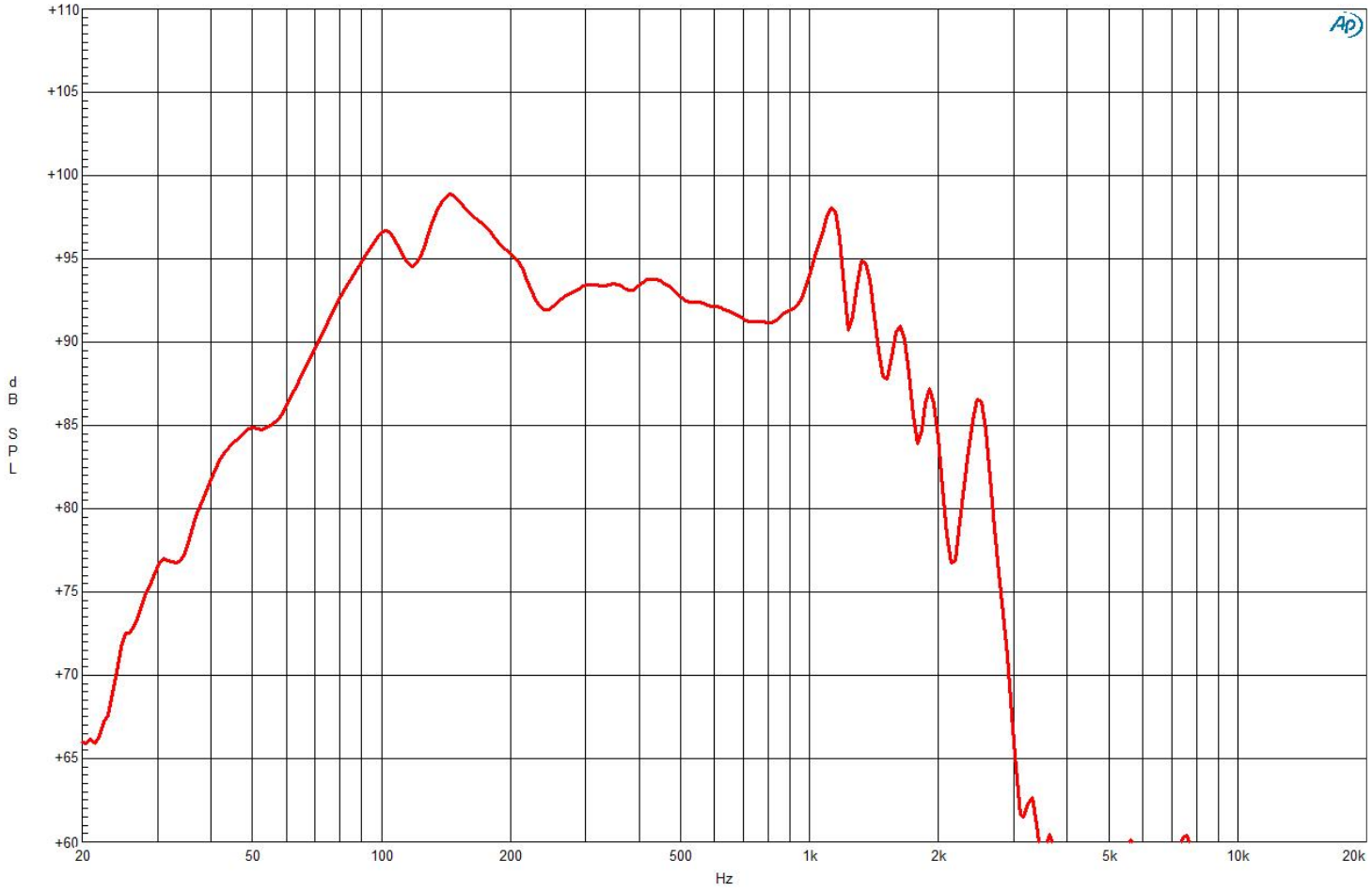
SERVICE KITS

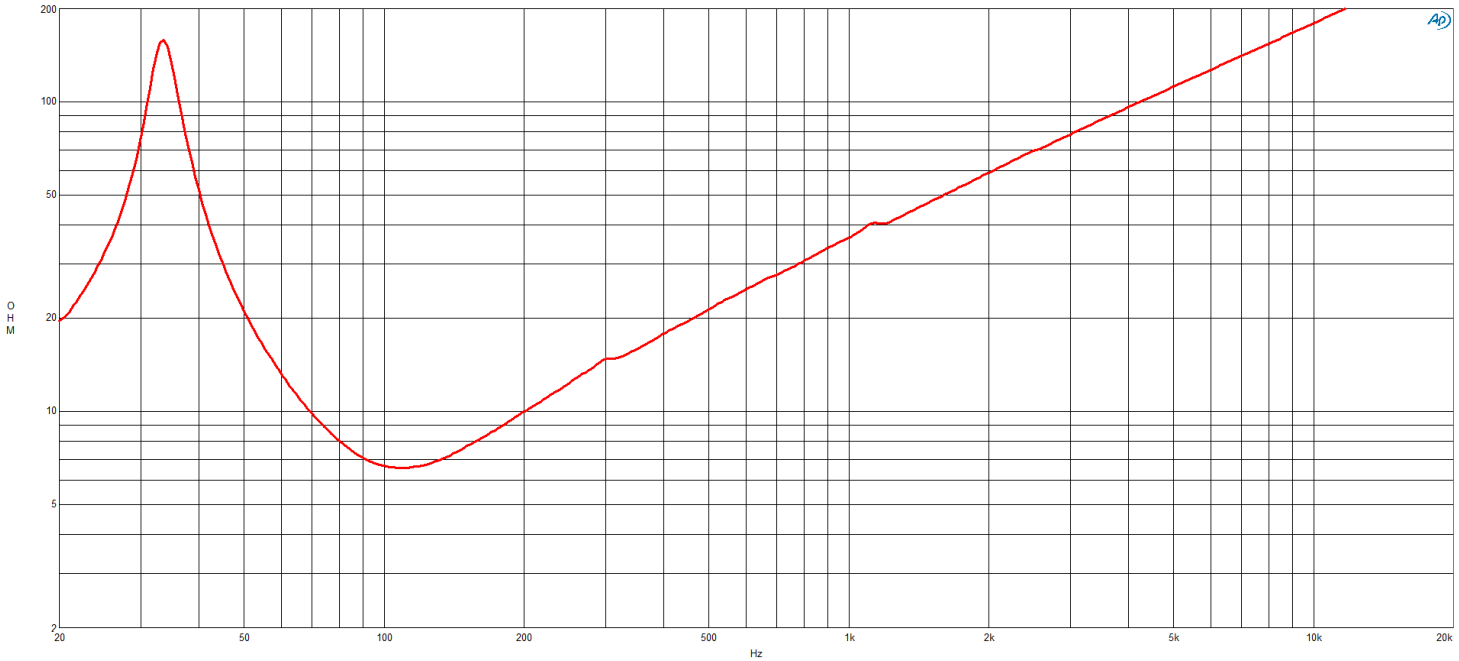
LF recone-kits	**RCK21DS1158**

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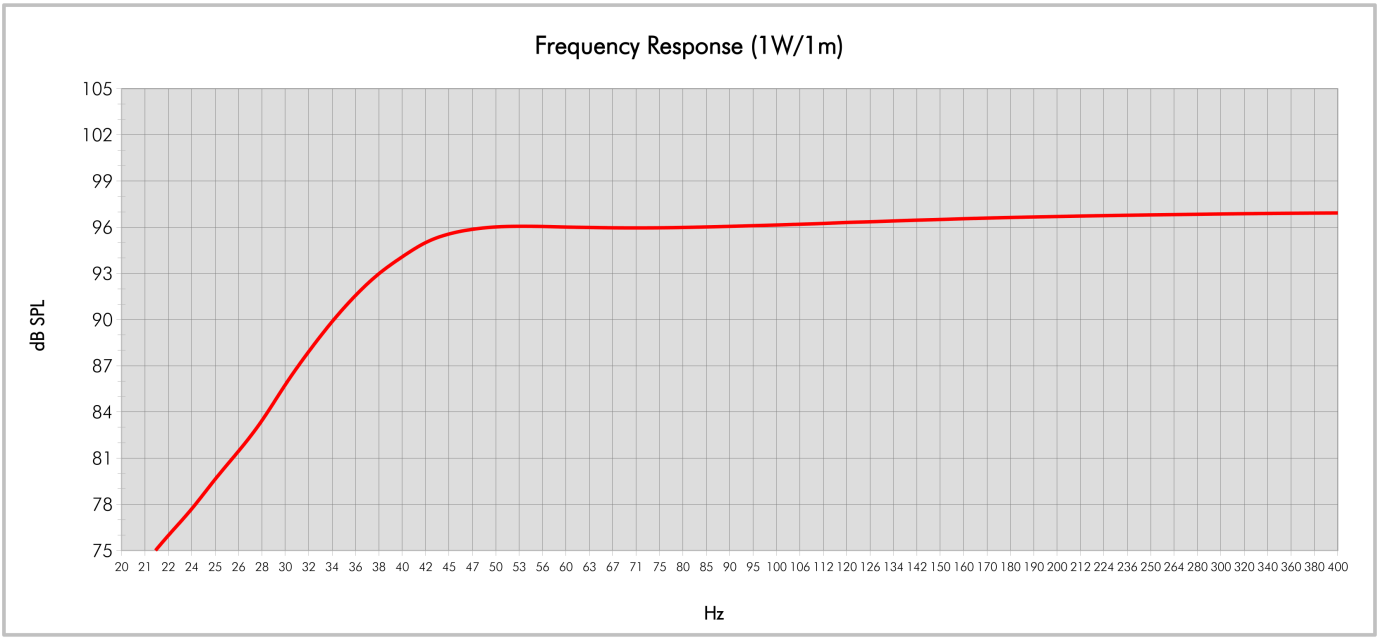
B&C SPEAKERS

Professional loudspeaker transducers since 1946

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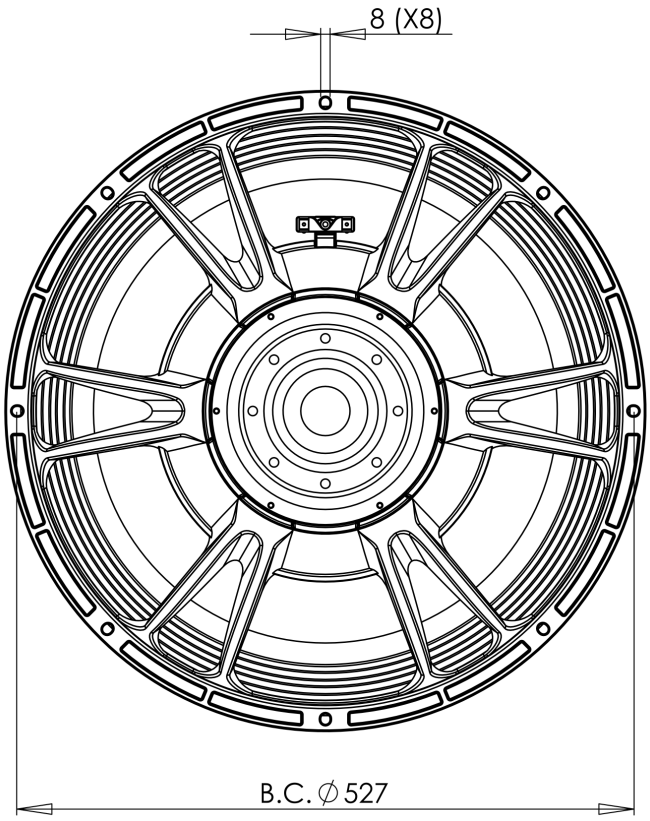
Model:	21DS115_8 ohm		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	170	QB:	6
Tuning Frequency (Hz):	40	Port Area (cm^2):	650
Frequency (-3 dB) (Hz):	39,9	Port Length (cm):	49,4
Frequency (-10 dB) (Hz):	31,2		

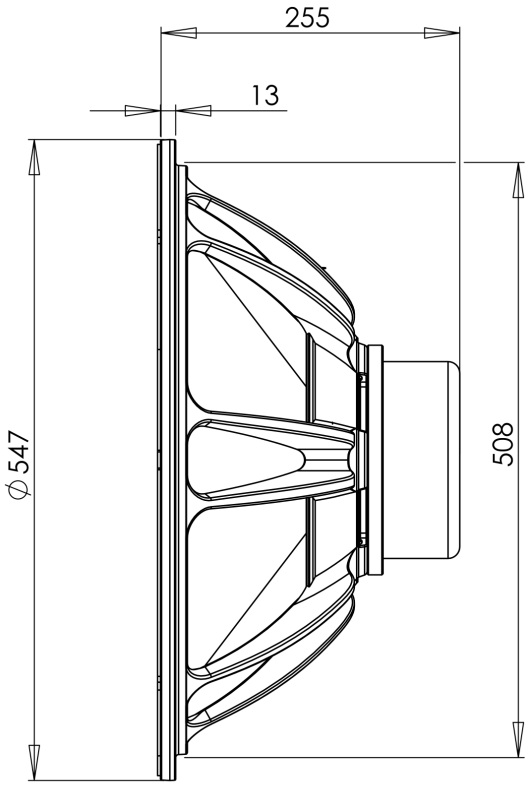
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