

15DS115 4 Ω

Subwoofer

- 3200 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 35 - 1000 Hz response
- 96 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Neodymium magnet allows a very high force factor and linear excursion
- 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, higher sensitivity, lower distortion and better overall performance. The 15DS115 features a 40mm long, 4.5 inch diameter (116mm) Copper Clad Aluminum Wire voice coil. With a 1600watt AES power rating, 96 dB sensitivity, and over 14 mm of Xvar, this high energy subwoofer is a significant step forward from similar models in the B&C range.



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SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	4 Ω
Minimum Impedance	4.8 Ω
Nominal Power Handling	1600 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	3200 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.	
Frequency Range	35 Hz - 1000 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

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

Fs	34 Hz
Re	3.2 Ω
Qes	0.17
Qms	4.7
Qts	0.16
Vas	83 dm³ (2.93 ft³)
Sd	855 cm² (132.53 in²)
η0	1.9 %
Xmax	16.5 mm
Xvar	14 mm
Mms	273 g
Bl	33.6 Tm
Le	3.2 mH
EBP	200 Hz

DESIGN

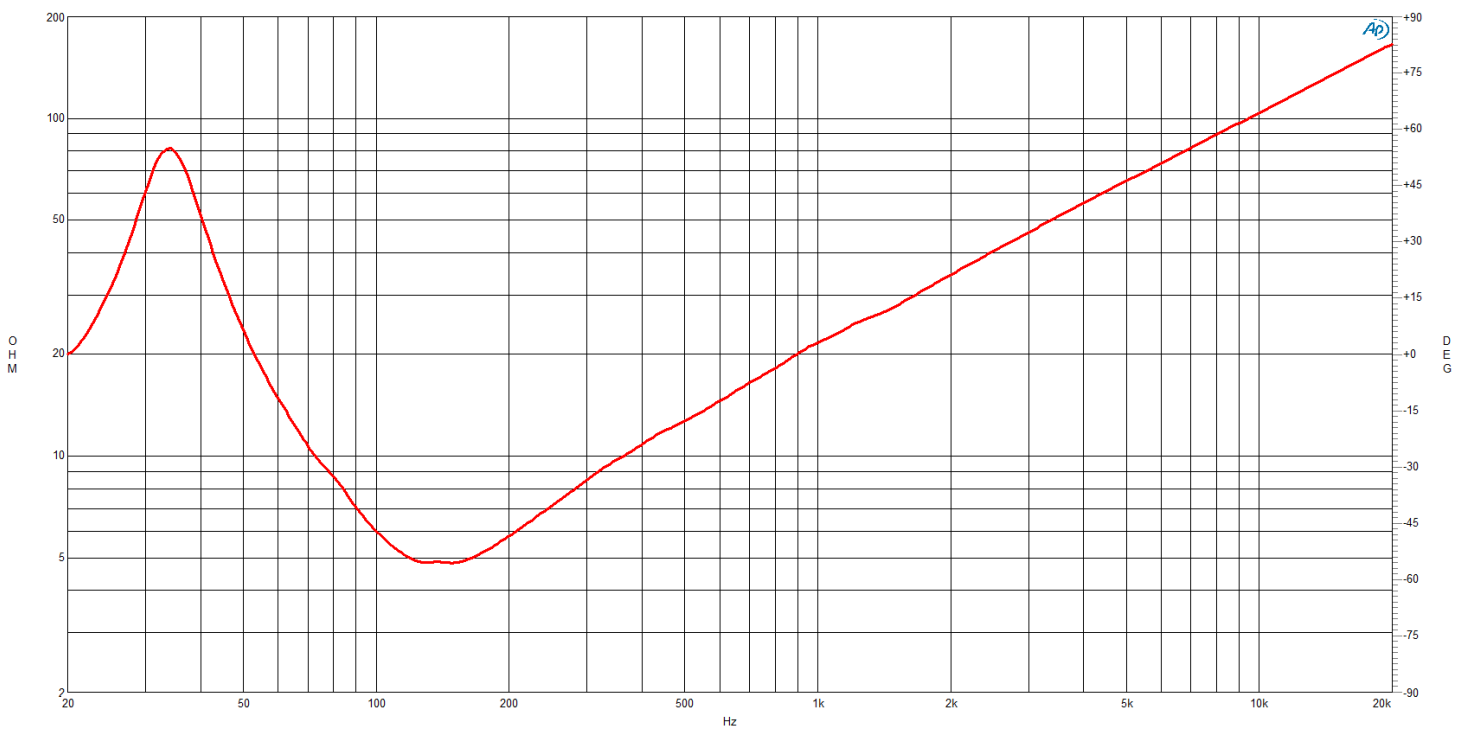
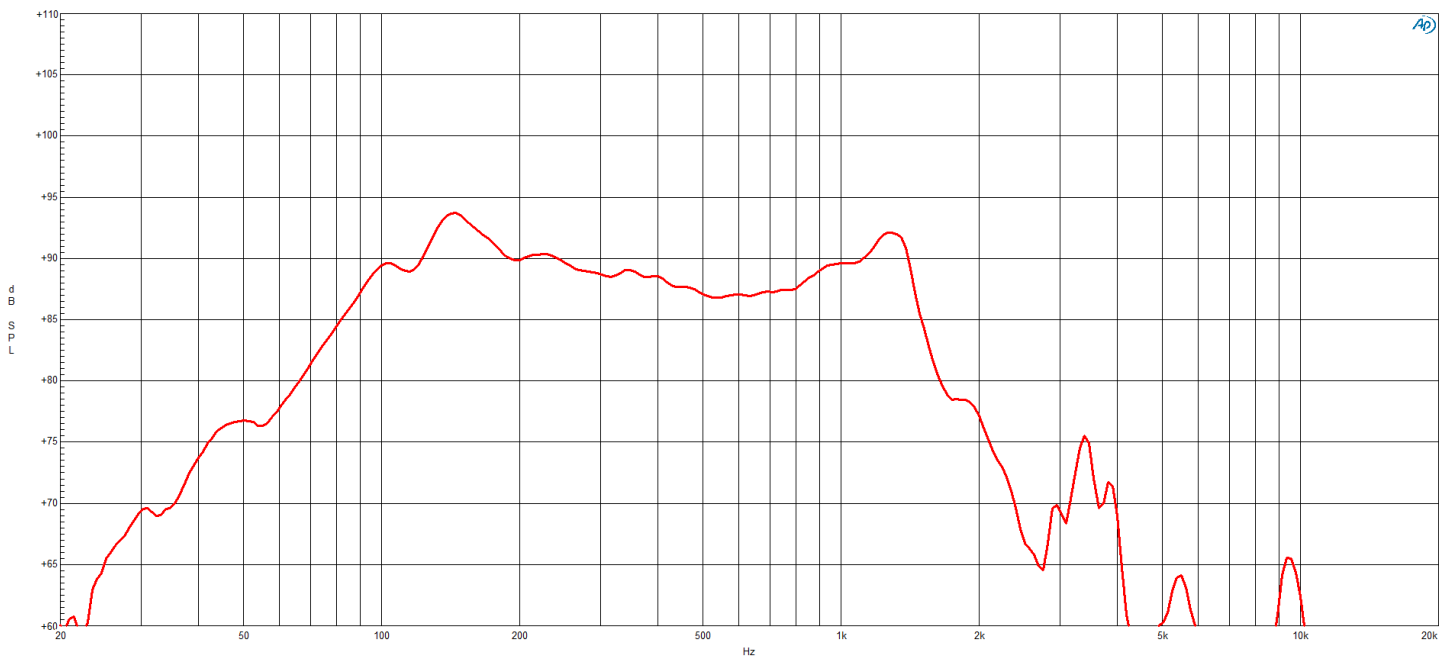
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	80 dm³ (2.83 ft³)
Recommended Tuning	40 Hz

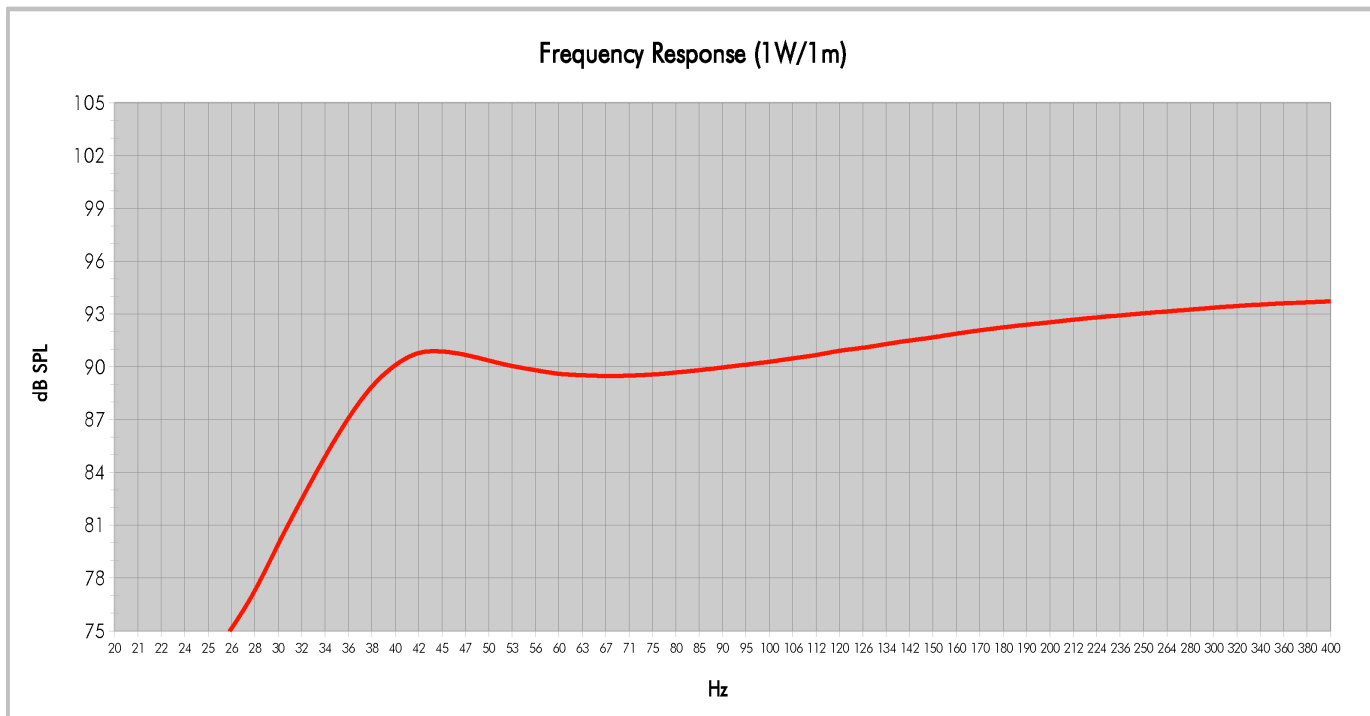
MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	375 mm (14.76 in)
Baffle Cutout Diameter	354 mm (13.94 in)
Depth	199 mm (7.83 in)
Flange and Gasket Thickness	15 mm (0.59 in)
Air Volume Occupied by Driver	7 dm³ (0.25 ft³)
Net Weight	11.7 kg (25.79 lb)
Shipping Units	1 pcs
Shipping Weight	13 kg (28.66 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

SERVICE KITS

LF recone-kits	RCK15DS1154
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Model:	15DS115	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	80	QB:	5
Tuning Frequency (Hz):	40	Port Area (cm ²):	200,0
Frequency (-3 dB) (Hz):	--	Port Length (cm):	33,1
Frequency (-10 dB) (Hz):	33,5		

LF Drivers

Ø 15 inches

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