15DS115 8 Ω

Subwoofer

- 3200 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 35 - 1000 Hz response
- 97 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, less heat, higher sensitivity, higher power handling, 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, 97 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.





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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Subwoofer

SPECIFICATIONS

Nominal Diameter	**380 mm (15 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.2 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.	**1600 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**3200 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**97 dB**
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	**33 Hz**
Re	**4.9 Ω**
Qes	**0.18**
Qms	**5.2**
Qts	**0.17**
Vas	**94 dm^3 (3.32 ft^3)**
Sd	**855 cm^2 (132.53 in^2)**
η0	**1.9 %**
Xmax	**16.5 mm**
Xvar	**14 mm**
Mms	**254 g**
Bl	**38.7 Tm**
Le	**4.5 mH**
EBP	**183 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 dm^3 (2.83 ft^3)**
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 dm^3 (0.25 ft^3)**
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	**RCK15DS1158**

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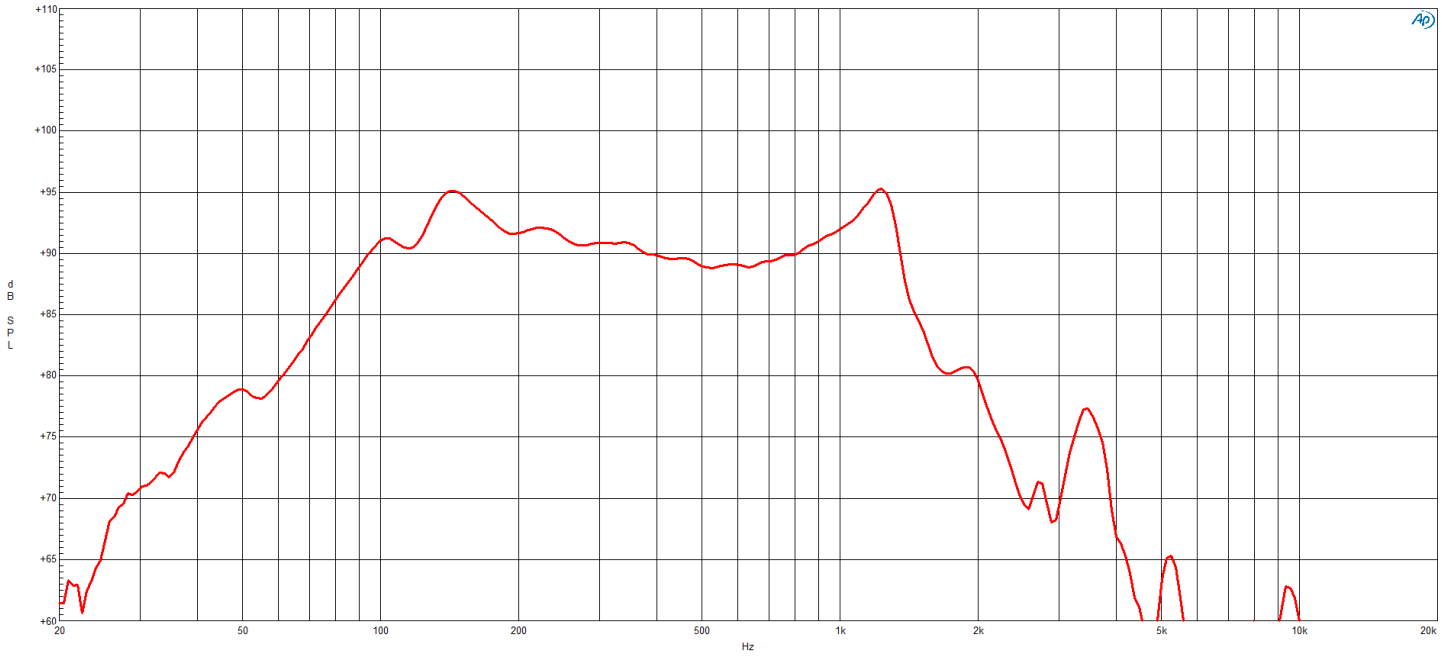

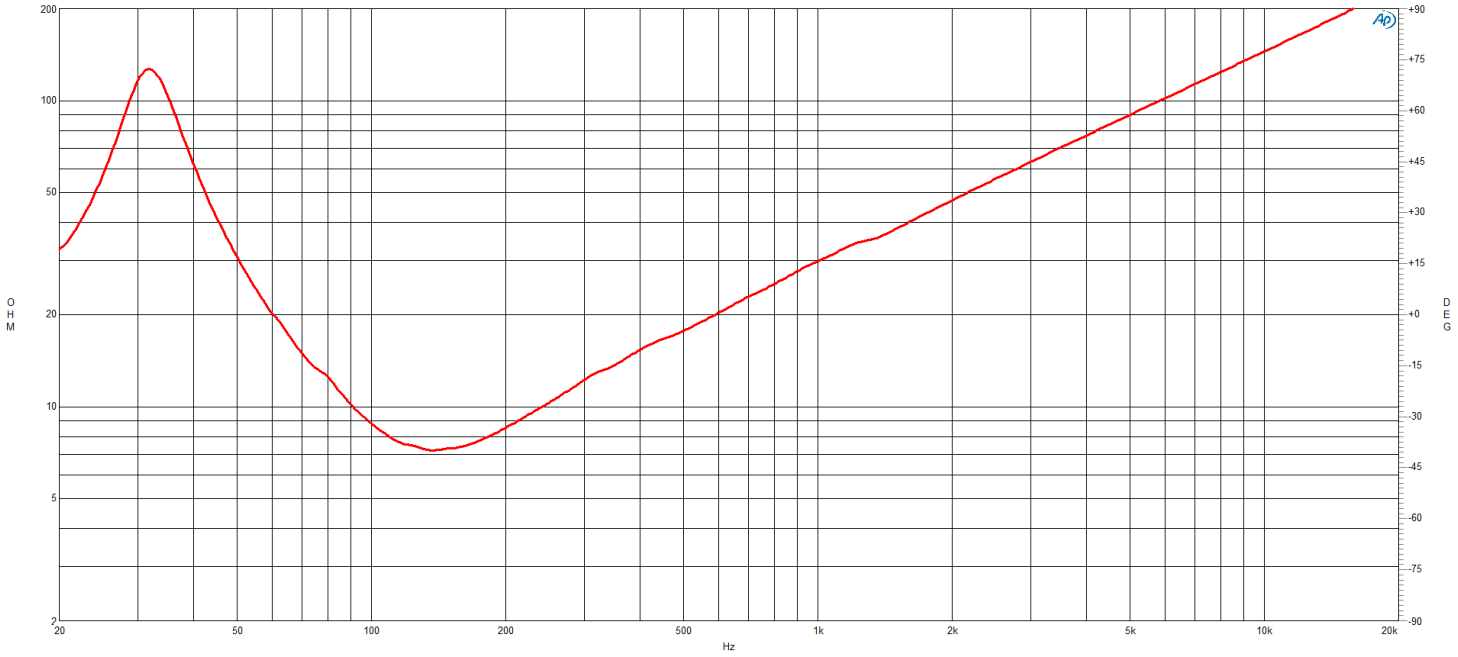

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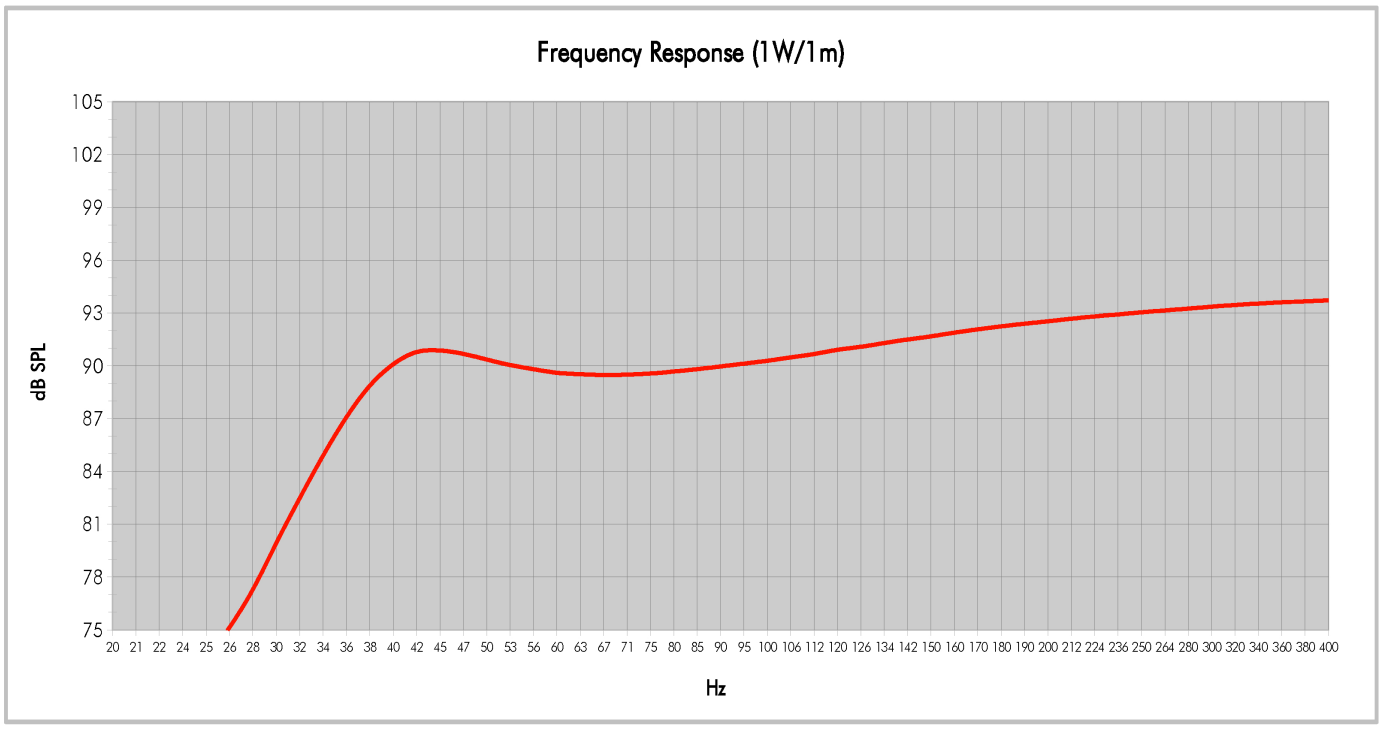

Model:	15DS115		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**80**	QB:	**5**
Tuning Frequency (Hz):	**40**	Port Area (cm²):	**200,0**
Frequency (-3 dB) (Hz):	--	Port Length (cm):	**33,1**
Frequency (-10 dB) (Hz):	**33,5**		

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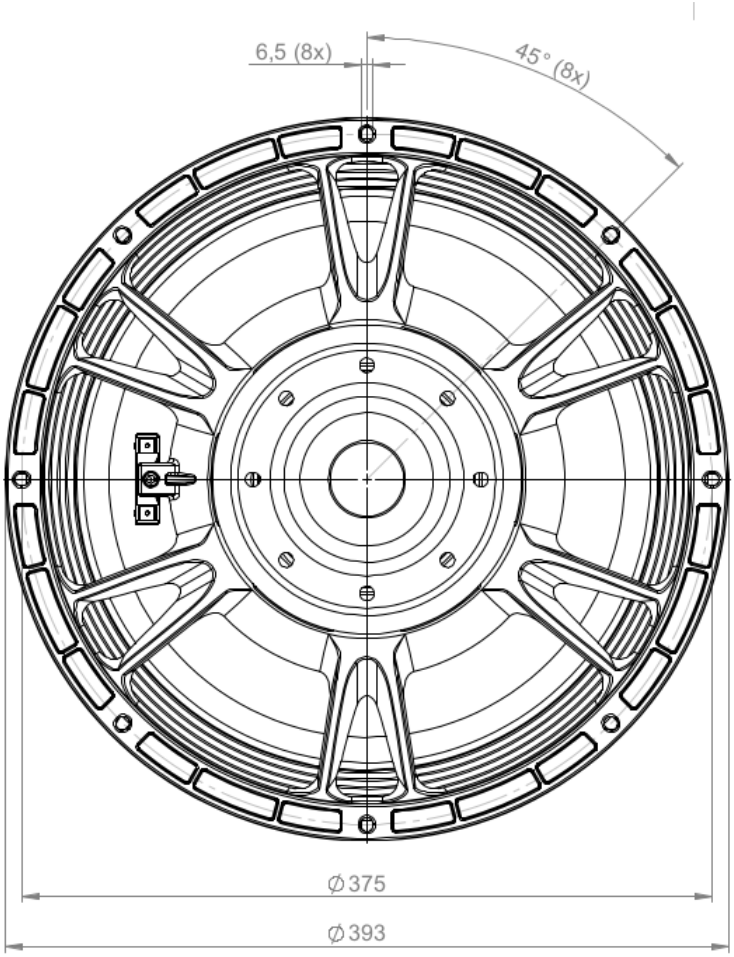

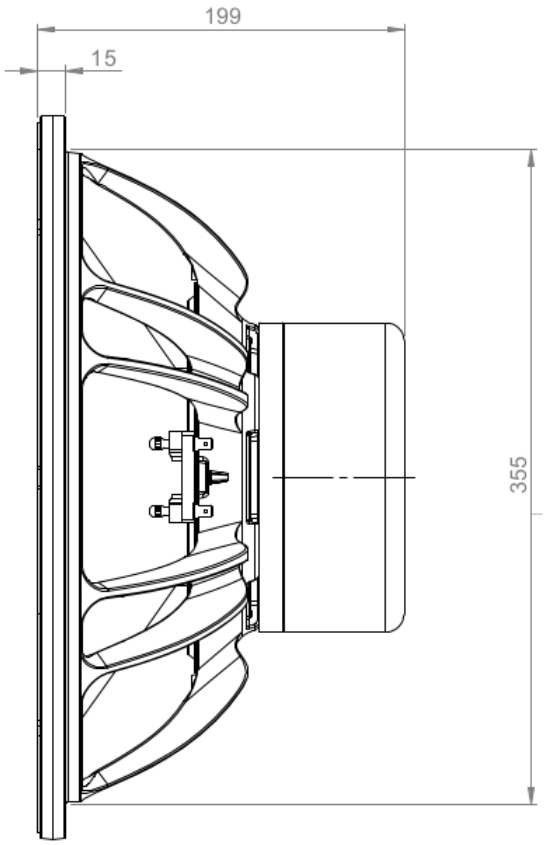

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