

15DS100 8 Ω

Subwoofer

- 3000 W continuous program power capacity
- 100 mm (4 in) four layer aluminium voice coil
- 39 - 1000 Hz response
- 96.8 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 less heat, more energy in the gap, higher sensitivity, higher power handling, lower distortion and better overall performance. The 15DS100 features a 37mm long, 4 inch diameter (100mm) Copper Clad Aluminum Wire voice coil. With a 1500watt AES power rating, 96.8 dB sensitivity, and over 14.0mm of Xvar, this high energy subwoofer is a significant step forward from similar models in the B&C range.



SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling	1500 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	3000 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96.8 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	39 Hz - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	37 mm (1.46 in)
Magnetic Gap Depth	16 mm (0.63 in)
Flux Density	0.7 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	39 Hz
Re	4.5 Ω
Qes	0.27
Qms	7.75
Qts	0.26
Vas	76 dm³ (2.68 ft³)
Sd	855 cm² (132.53 in²)
η0	1.77 %
Xmax	14.5 mm
Xvar	14 mm
Mms	220 g
Bl	30.68 Tm
Le	4.6 mH
EBP	144 Hz

DESIGN

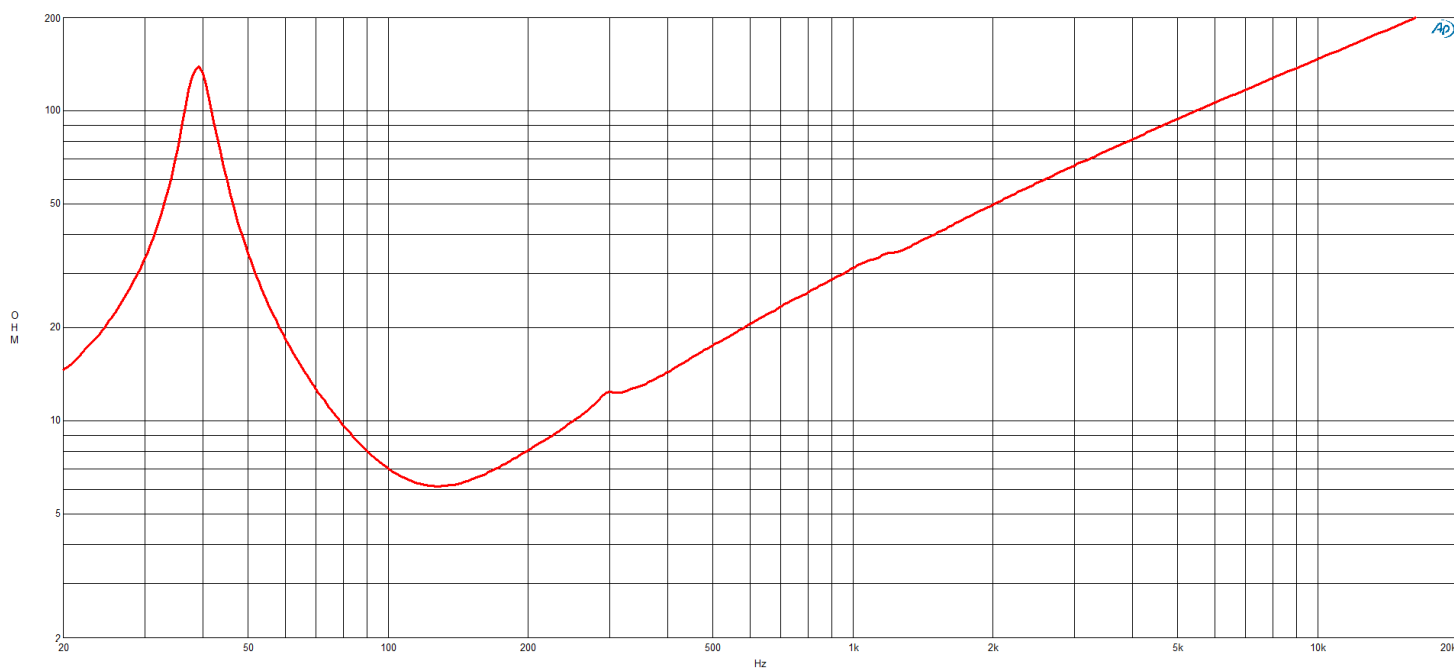
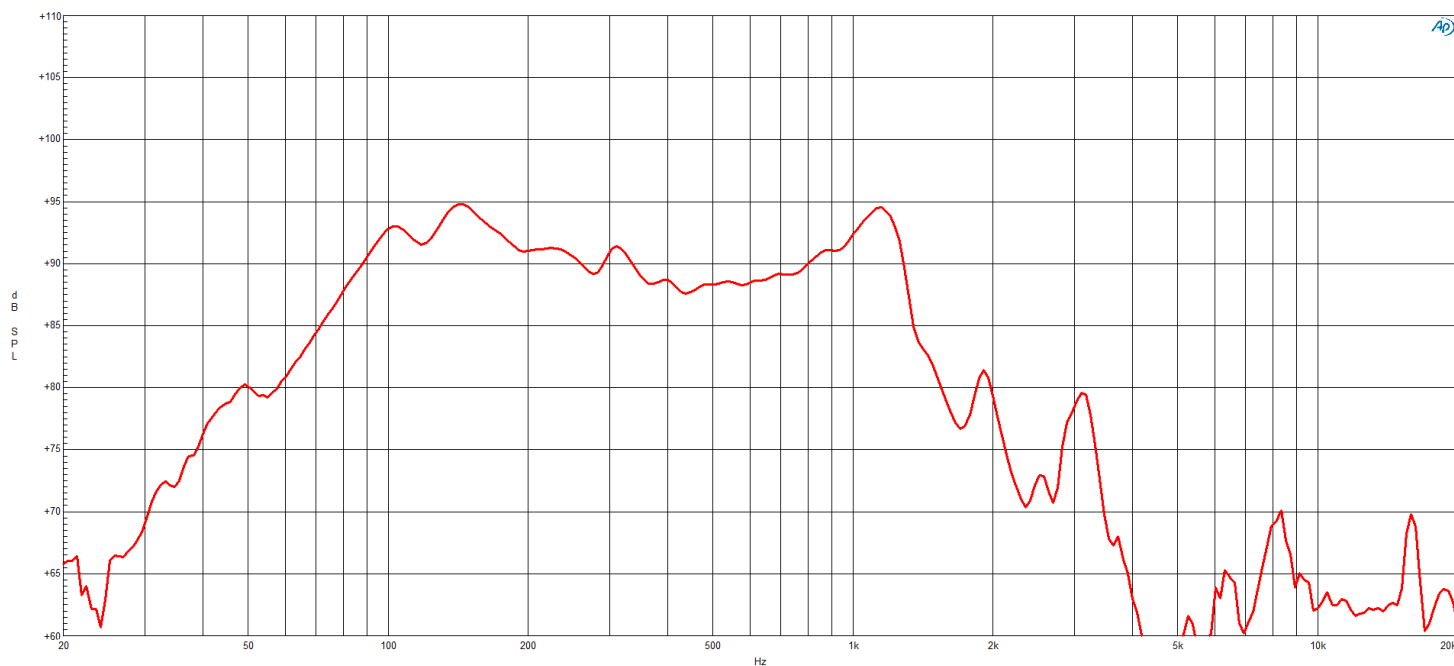
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	120 dm³ (4.24 ft³)
Recommended Tuning	40 Hz

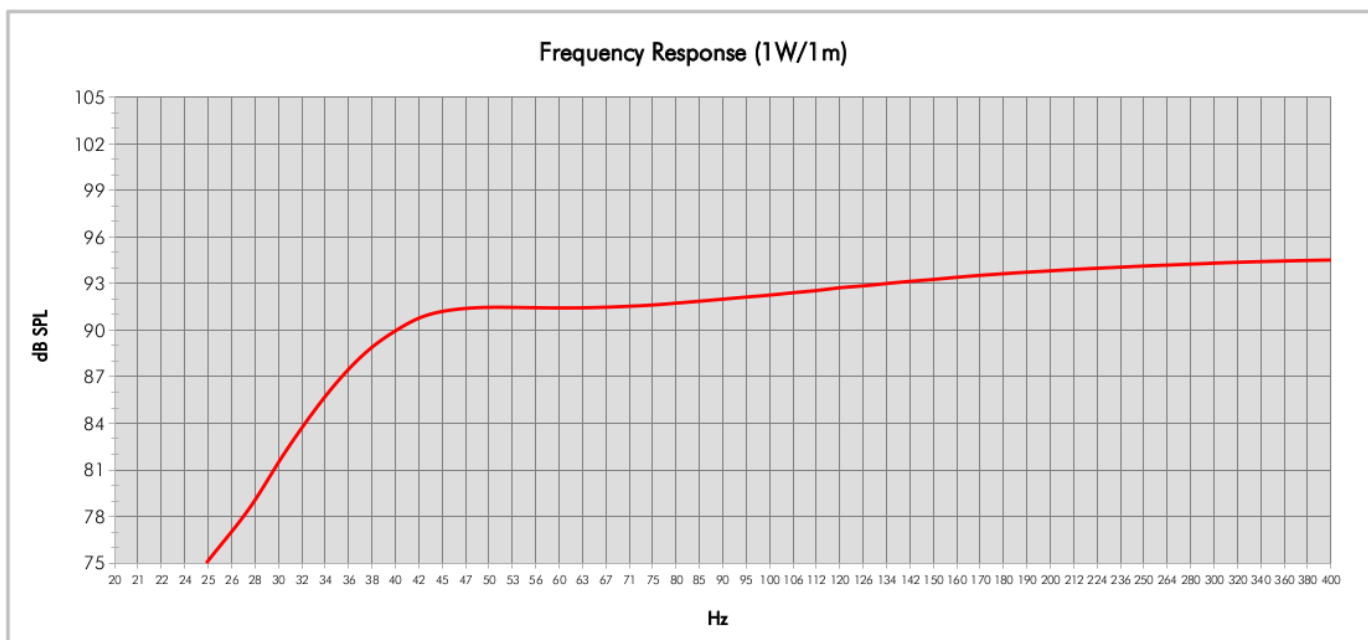
MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (16.7 in)
Baffle Cutout Diameter	353 mm (13.9 in)
Depth	190 mm (7.5 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Driver	6 dm³ (0.21 ft³)
Net Weight	9.55 kg (21.05 lb)
Shipping Units	1 pcs
Shipping Weight	10.85 kg (23.92 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

SERVICE KITS

LF recone-kits	RCK15DS1008
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Model:	15DS100	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	120	QB:	3
Tuning Frequency (Hz):	40	Port Area (cm ²):	300,0
Frequency (-3 dB) (Hz):	--	Port Length (cm):	29,9
Frequency (-10 dB) (Hz):	33,1		

LF Drivers

Ø 15 inches

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