

15RBX100 4 Ω**Subwoofer**

2000 W continuous program power capacity
100 mm (4 in) copper voice coil
40 - 3000 Hz response
94 dB sensitivity
Aluminium demodulating ring allows a very low distortion figure
Double silicone spider with optimized compliance

The B&C 15RBX100 anchors our ferrite subwoofer line, and features an all new FEA optimized motor structure. The 25mm high, 4" (100mm) diameter copper wire voice coil is combined with a laminated double silicone spider, water resistant curvilinear cone and triple roll surround, for even more excursion and linearity. The corrosion resistant motor structure incorporates an aluminum demodulation ring that effectively controls inductive rise as well as harmonic and intermodulation distortion. This subwoofer can be used for a wide variety of applications, including compact vented enclosures.



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SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	4 Ω
Minimum Impedance	4.5 Ω
Nominal Power Handling	1000 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	2000 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	94 dB
Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.	
Frequency Range	40 Hz - 3000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25 mm (1 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1.1 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	42 Hz
Re	3.7 Ω
Qes	0.38
Qms	6.3
Qts	0.35
Vas	105 dm³ (3.71 ft³)
Sd	908 cm² (140.74 in²)
η ₀	2.1 %
X _{max}	9 mm
X _{var}	10 mm
M _{ms}	159 g
Bl	21.3 Tm
Le	0.9 mH
EBP	111 Hz

DESIGN

Surround Shape	Triple Roll
Cone Shape	Curvilinear
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	85 dm³ (3 ft³)
Recommended Tuning	45 Hz

MOUNTING AND SHIPPING INFO

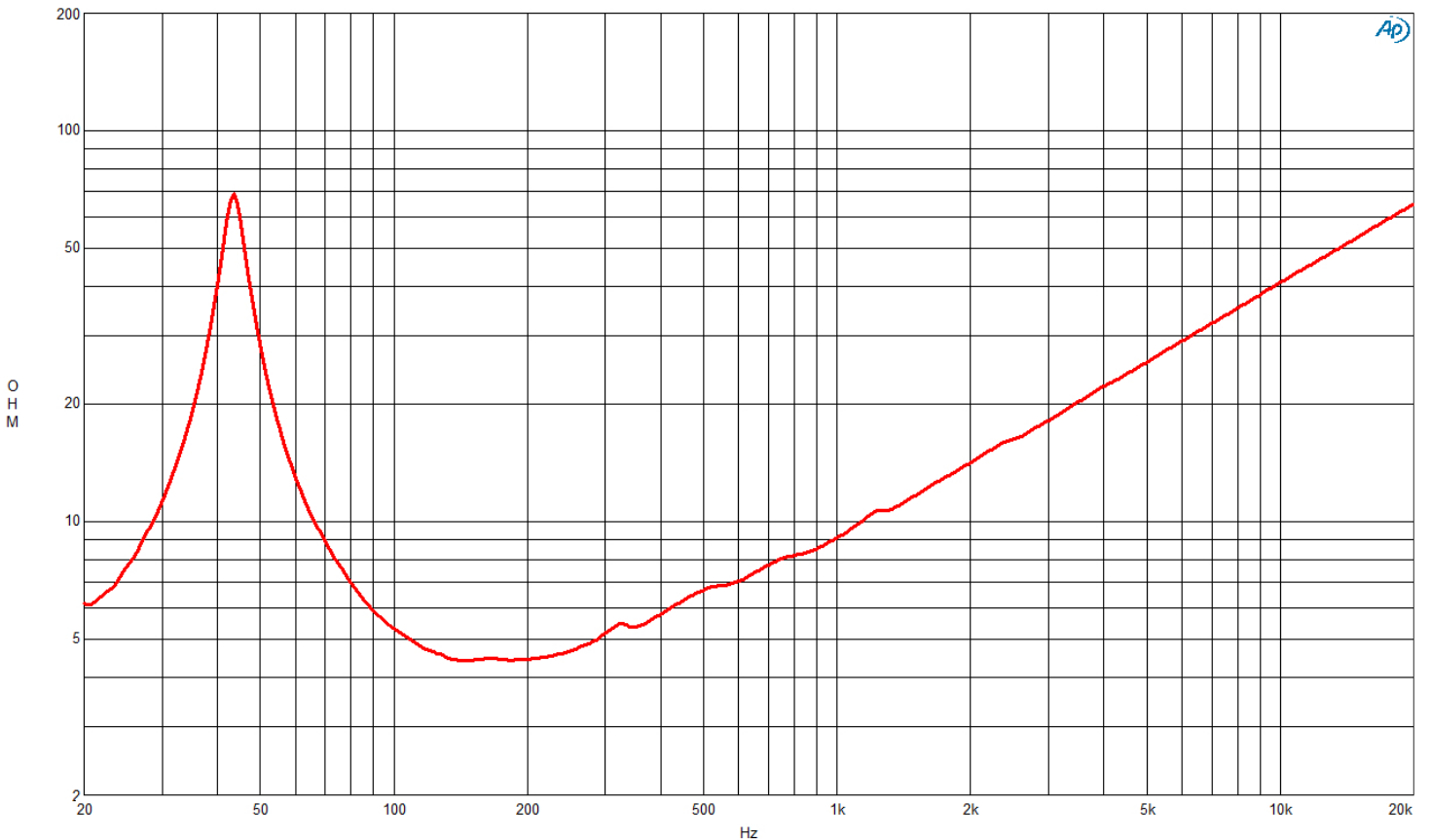
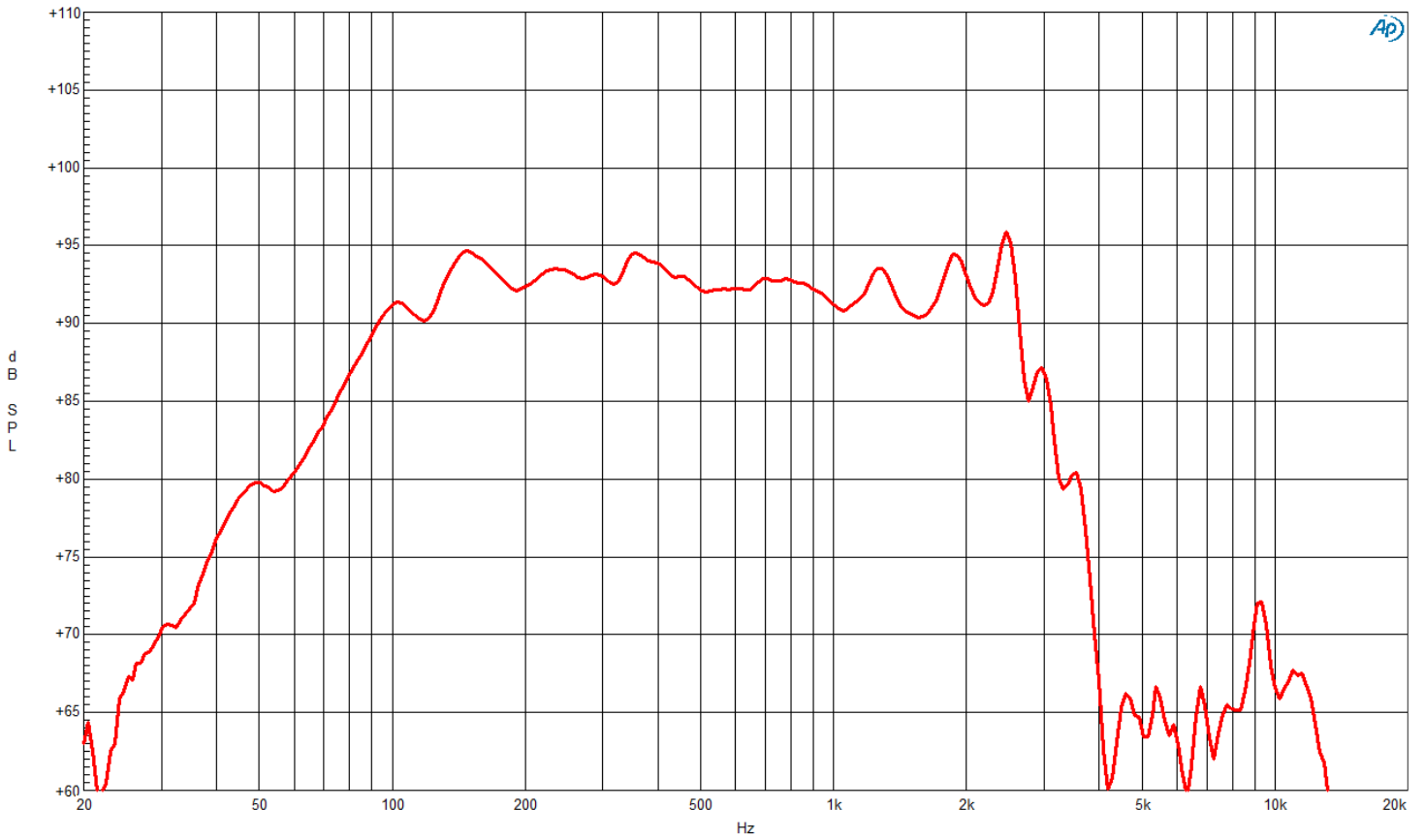
Overall Diameter	393 mm (15.47 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	354 mm (13.94 in)
Depth	173 mm (6.81 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Driver	5 dm³ (0.18 ft³)
Net Weight	10.6 kg (23.37 lb)
Shipping Units	1 pcs
Shipping Weight	11.9 kg (26.24 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

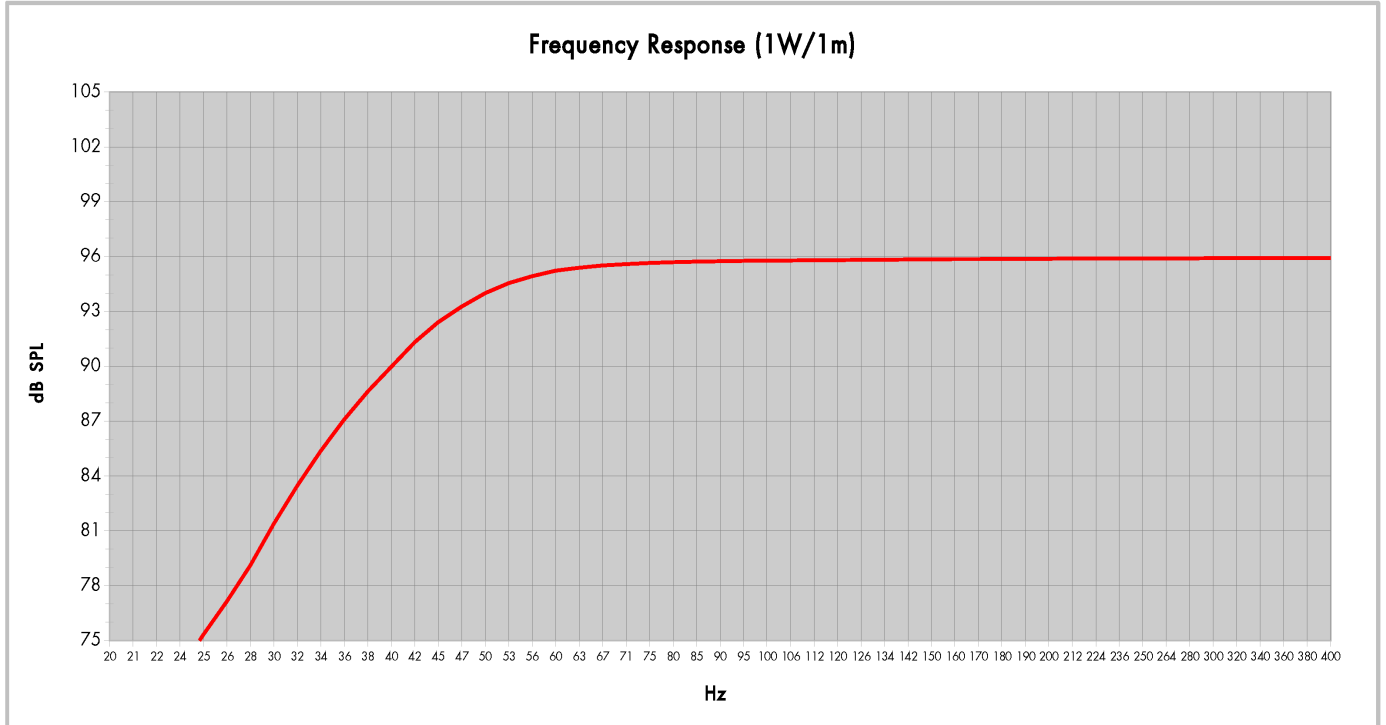
SERVICE KITS

LF recone-kits	RCK15RBX1004
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Model:	15RBX100	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	85	QB:	7
Tuning Frequency (Hz):	45	Port Area (cm ²):	200,0
Frequency (-3 dB) (Hz):	46,3	Port Length (cm):	21,0
Frequency (-10 dB) (Hz):	34,7		

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