15DS100 4 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.





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

15DS100 4 Ω

Subwoofer

SPECIFICATIONS

Nominal Diameter	**380 mm (15 in)**
Nominal Impedance	**4 Ω**
Minimum Impedance	**3.4 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.	**1500 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**3000 W**
Sensitivity Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.	**96.8 dB**
Frequency Range	**39 Hz - 1000 Hz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**34 mm (1.34 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	**2.4 Ω**
Qes	**0.23**
Qms	**8.16**
Qts	**0.23**
Vas	**73 dm³ (2.58 ft³)**
Sd	**855 cm² (132.53 in²)**
η0	**1.8 %**
Xmax	**13 mm**
Xvar	**14 mm**
Mms	**233 g**
Bl	**24.3 Tm**
Le	**2.8 mH**
EBP	**170 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)**

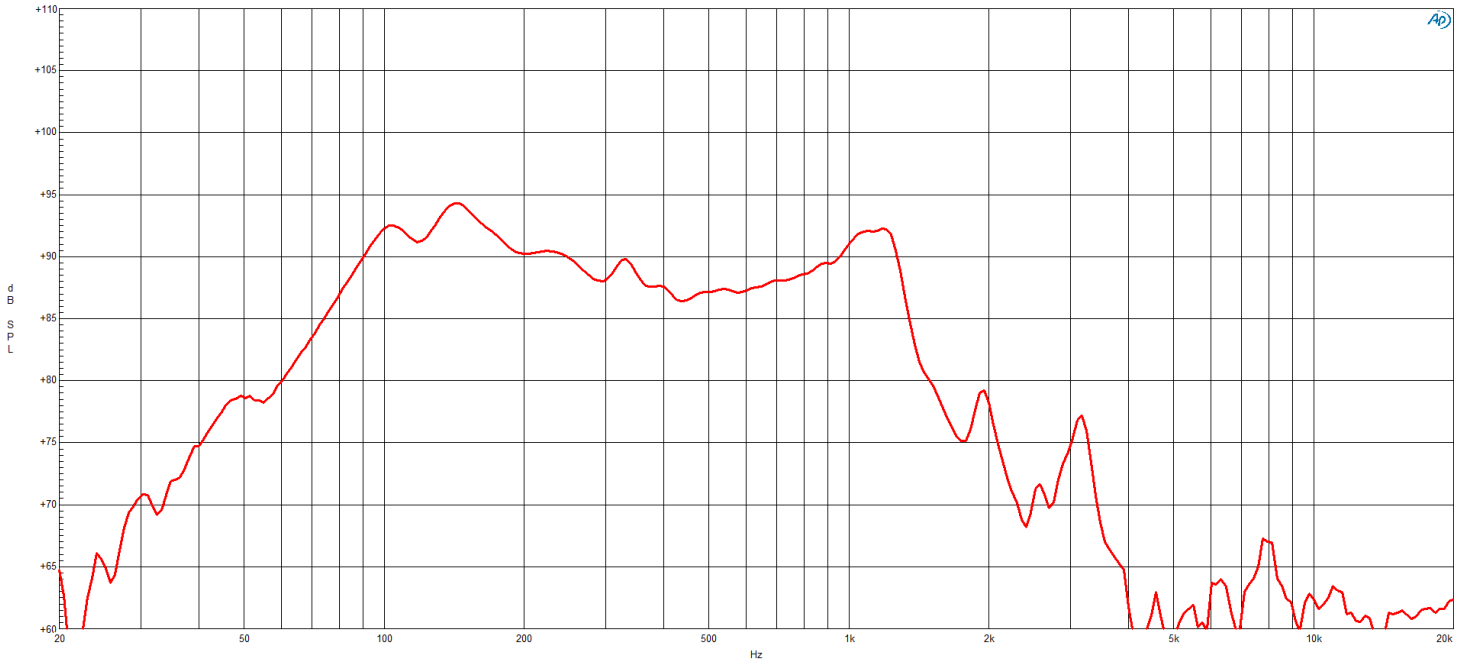
SERVICE KITS

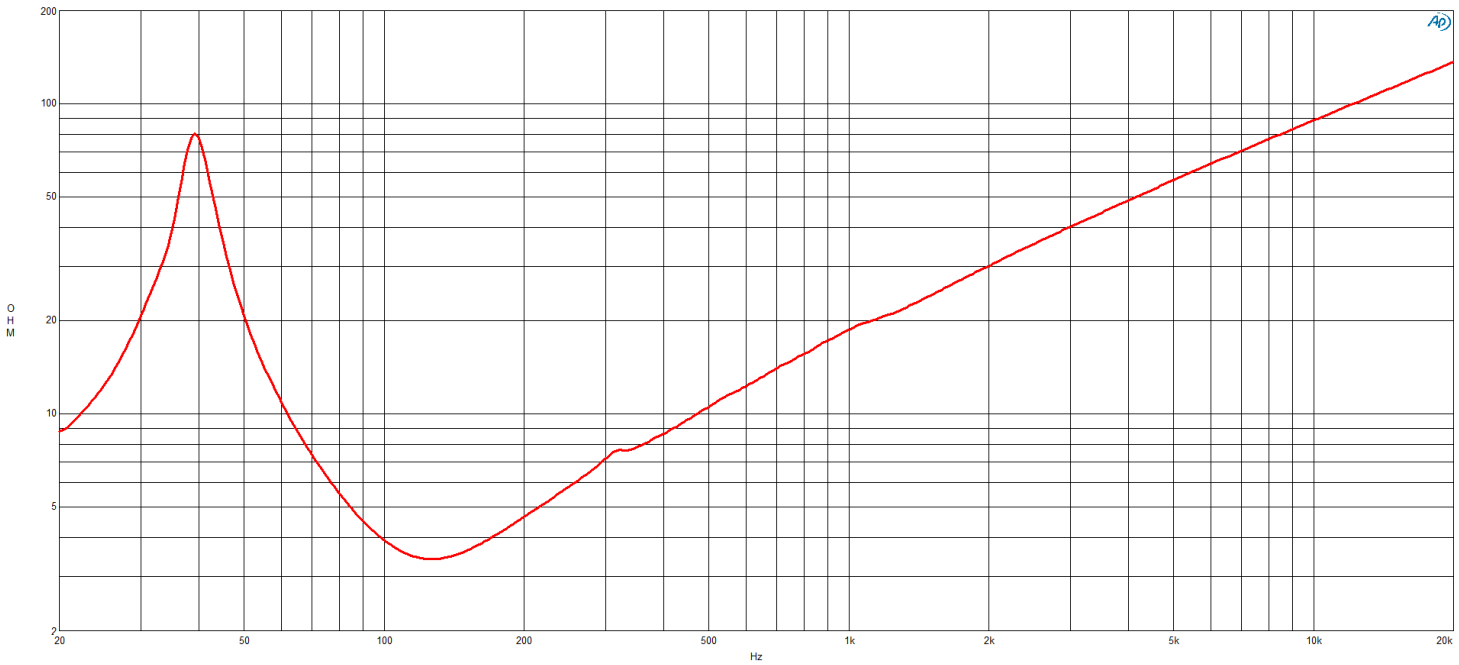
LF recone-kits	**RCK15DS1004**

B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

15DS100 4 Ω

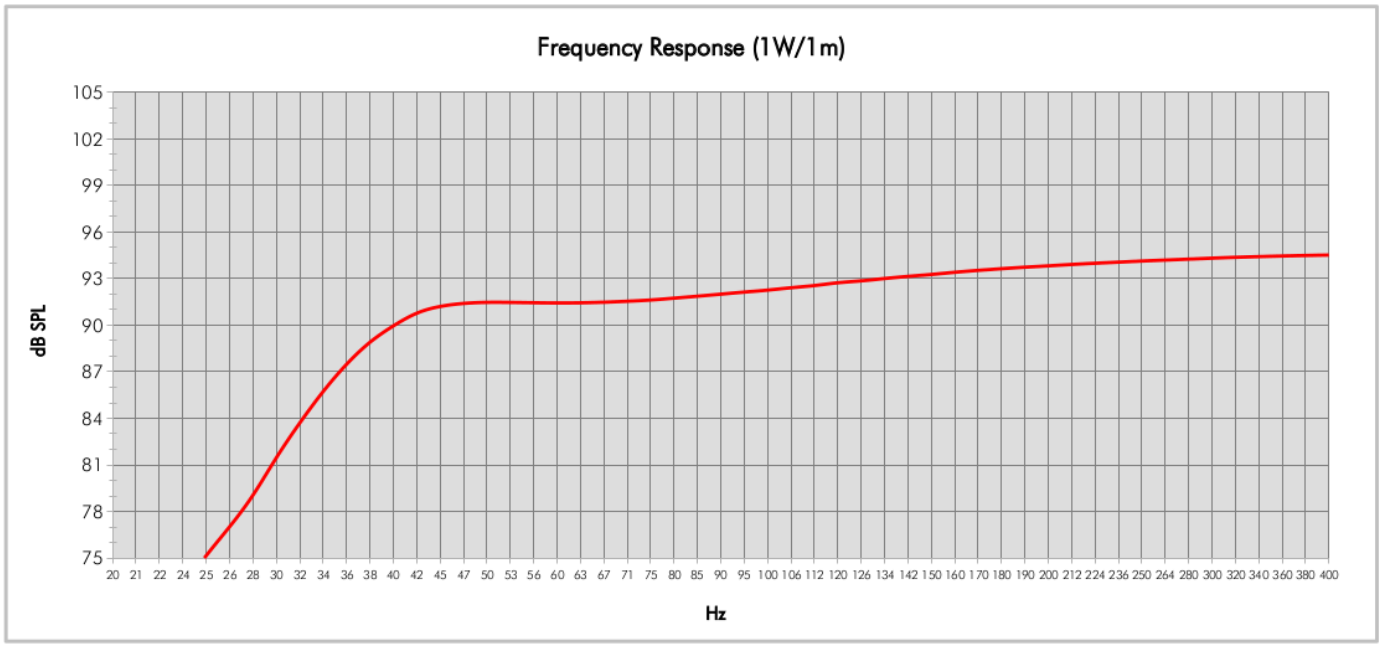
Subwoofer





15DS100 4 Ω

Subwoofer

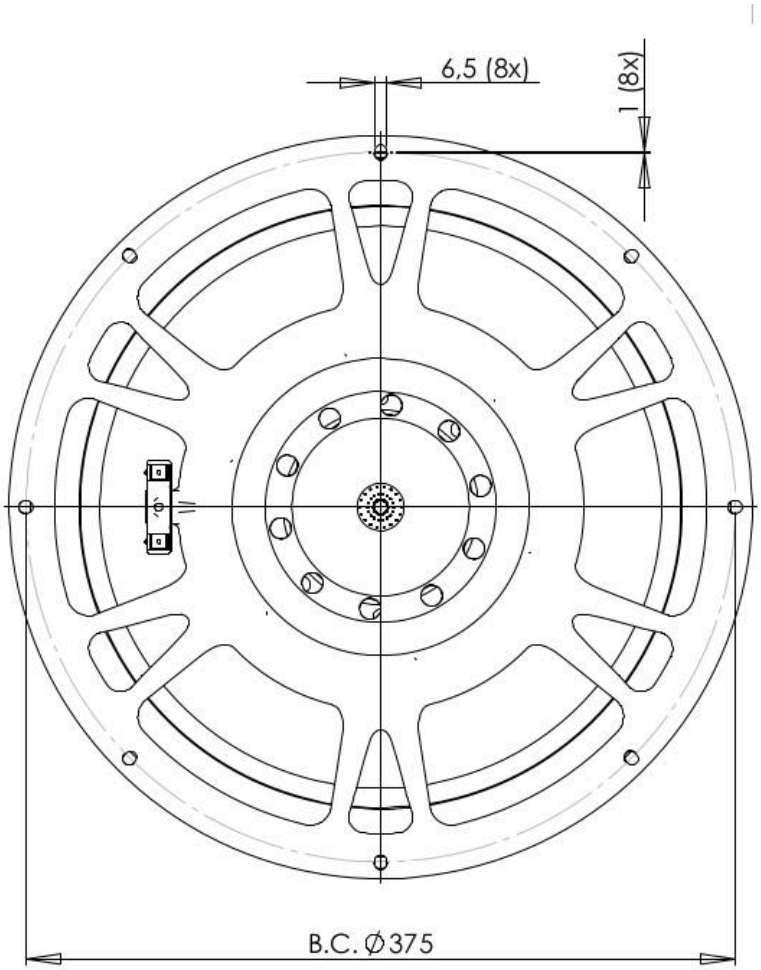


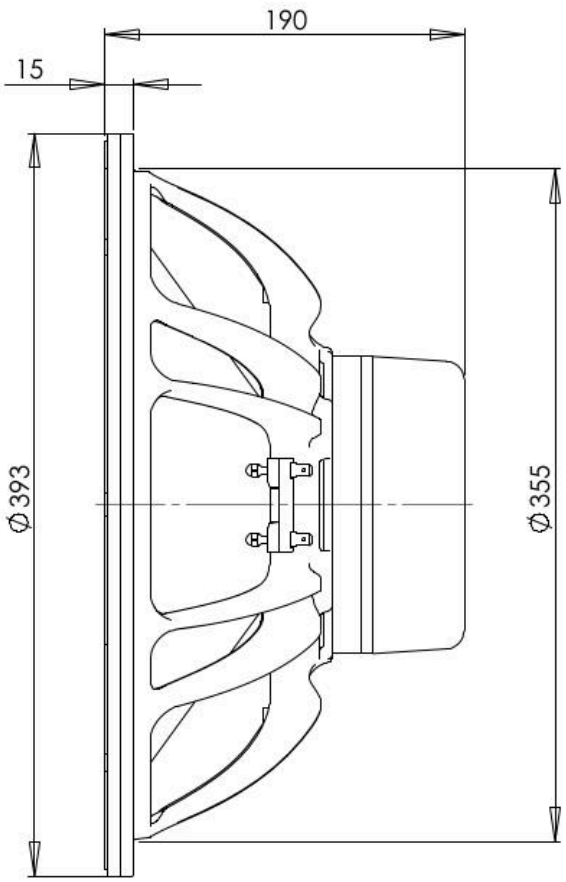
Model:	15DS100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	120	QB:	3
Tuning Frequency (Hz):	40	Port Area (cm^2):	300,0
Frequency (-3 dB) (Hz):	--	Port Length (cm):	29,9
Frequency (-10 dB) (Hz):	33,1		

B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

15DS100 4 Ω

Subwoofer





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com