19RS115 8 Ω

Subwoofer

- 4000 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 30 - 1000 Hz response
- 96.7 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

The new 19RS115subwoofer uses a four layer aluminum voice coil, as used in our popular DS Series. The result is more energy in the gap, less heat, higher sensitivity, higher power handling, lower distortion and better overall performance. The new RS Series takes this to the next level, incorporating a far higher flux motor, combined with an extra long 54mm x 4.5 inch diameter (116mm) Copper Clad Aluminum Wire voice coil. As the first 19 inch subwoofer ever offered by B&C, the 19RS115 strikes an excellent balance between power handling and sensitivity, ultimately outperforming many power hungry alternatives with significantly larger diameter voice coils. With a 2000watt AES power rating, 96.7 dB sensitivity, and over 23.5mm of Xmax, these high-excursion transducers represent an incremental advancement over comparable B&C woofers in power density, efficiency, and displacement capability.





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19RS115 8 Ω

Subwoofer

SPECIFICATIONS

Nominal Diameter	**483 mm (19 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.5 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.	**2000 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**4000 W**
Sensitivity Sensitivity at 2.83V/1m for 8 ohm Nominal Impedance	**96.7 dB**
Frequency Range	**30 Hz - 1000 Hz**
Voice Coil Diameter	**116 mm (4.5 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**54 mm (2.13 in)**
Magnetic Gap Depth	**14 mm (0.55 in)**
Flux Density	**0.9 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	**29 Hz**
Re	**4.6 Ω**
Qes	**0.21**
Qms	**6.2**
Qts	**0.2**
Vas	**197 dm^3 (6.96 ft^3)**
Sd	**1450 cm^2 (224.75 in^2)**
η0	**2.3 %**
Xmax	**23.5 mm**
Xvar	**19 mm**
Mms	**447 g**
Bl	**42 Tm**
Le	**4.1 mH**
EBP	**138 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Straight**
Magnet Material	**Neodymium Inside Slug**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**

MOUNTING AND SHIPPING INFO

Overall Diameter	**494 mm (19.45 in)**
Bolt Circle Diameter	**476 mm (18.74 in)**
Baffle Cutout Diameter	**455 mm (17.91 in)**
Depth	**285 mm (11.22 in)**
Flange and Gasket Thickness	**13 mm (0.51 in)**
Net Weight	**15.8 kg (34.83 lb)**

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