**15DS115**

**LF Drivers** - 15.0 Inches

- 3200 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 35 - 1000 Hz response
- 97 dB sensitivity
- 60 mm peak-to-peak excursion before damage
- 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 Poggio Morno, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) - ITALY - Tel. +39 055 65721 - Fax +39 055 6572312 - mail@bcspeakers.com
**SPECIFICATIONS**

- **Nominal Diameter**: 380 mm (15.0 in)
- **Nominal Impedance**: 8 Ω
- **Minimum Impedance**: 7.2 Ω
- **Nominal Power Handling**: 1600 W
- **Continuous power handling**: 3200 W
- **Sensitivity (1W/1m)**: 97.0 dB
- **Frequency Range**: 35 - 1000 Hz
- **Voice Coil Diameter**: 116 mm (4.5 in)
- **Winding Material**: Aluminium
- **Former Material**: Glass Fibre
- **Winding Depth**: 40.0 mm (1.57 in)
- **Magnetic Gap Depth**: 14.0 mm (0.55 in)
- **Flux Density**: 0.8 T

**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**: 80.0 dm³ (2.83 ft³)
- **Recommended Tuning**: 40 Hz

**PARAMETERS**

- **Resonance Frequency**: 33 Hz
- **Re**: 4.9 Ω
- **Qes**: 0.18
- **Qms**: 5.2
- **Qt**: 0.17
- **Vas**: 94.0 dm³ (3.32 ft³)
- **Sd**: 855.0 cm² (132.53 in²)
- **η₀**: 1.9 %
- **Xmax**: ± 16.5 mm
- **Xvar**: ± 14.0 mm
- **Mms**: 254.0 g
- **BI**: 38.7 Txm
- **Le**: 4.5 mH
- **EBP**: 183 Hz

---

**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
### Service Kit

<table>
<thead>
<tr>
<th>Overall Diameter</th>
<th>393 mm (15.47 in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bolt Circle Diameter</td>
<td>375 mm (14.76 in)</td>
</tr>
<tr>
<td>Baffle Cutout Diameter</td>
<td>354.0 mm (13.94 in)</td>
</tr>
<tr>
<td>Depth</td>
<td>199 mm (7.83 in)</td>
</tr>
<tr>
<td>Flange and Gasket Thickness</td>
<td>15 mm (0.59 in)</td>
</tr>
<tr>
<td>Air Volume Occupied by Driver</td>
<td>7.0 dm³ (0.25 ft³)</td>
</tr>
<tr>
<td>Net Weight</td>
<td>11.7 kg (25.79 lb)</td>
</tr>
<tr>
<td>Shipping Units</td>
<td>1</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>13.0 kg (28.66 lb)</td>
</tr>
<tr>
<td>Shipping Box</td>
<td>425x425x224 mm (16.73x16.73x8.82 in)</td>
</tr>
</tbody>
</table>

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.