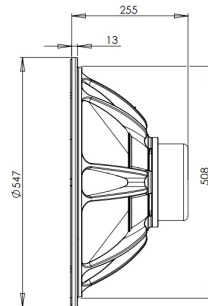
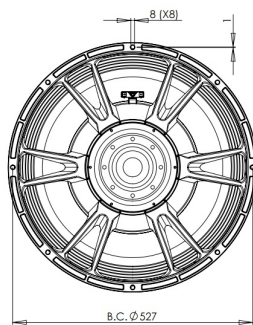


21DS115

8Ω**LF Drivers** - 21.0 Inches

- 3400 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 30 - 1000 Hz response
- 99 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

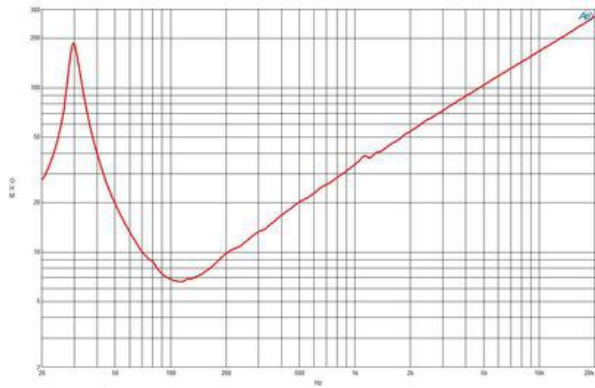
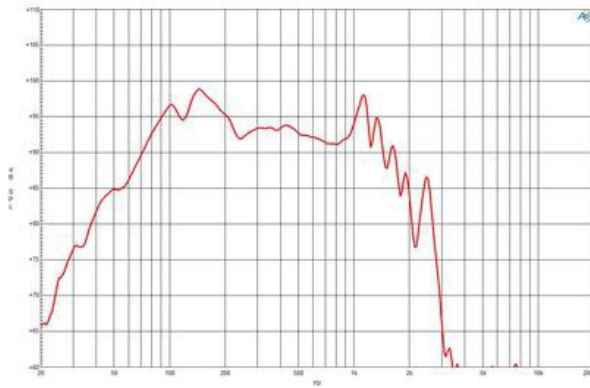


Description

This next evolution subwoofer uses a new, longer, four layer aluminum voice coil. The result is more energy in the gap, higher sensitivity, lower distortion and better overall performance. The 21DS115 features a 36 mm long, 4.5 inch diameter (116mm) Copper Clad Aluminum Wire voice coil. With a 1700watt AES power rating, 99 dB sensitivity, and over 16.5mm of Xvar, this high energy subwoofer is a significant step forward from similar models in the B&C range, even approaching the performance of our 6" voice coil alternatives.

21DS115

LF Drivers- 21.0 Inches



SPECIFICATIONS

| | |
|--|-------------------|
| Nominal Diameter | 530 mm (21.0 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.5 Ω |
| Nominal Power Handling ¹ | 1700 W |
| Continuous Power Handling ² | 3400 W |
| Sensitivity ³ | 99.0 dB |
| Frequency Range | 30 - 1000 Hz |
| Voice Coil Diameter | 116 mm (4.5 in) |
| Winding Material | Aluminium |
| Former Material | Glass Fibre |
| Winding Depth | 36.0 mm (1.42 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 | 130.0 dm ³ (4.59 ft ³) |
| Recommended Tuning | 40 Hz |

PARAMETERS⁴

| | |
|---------------------|---|
| Resonance Frequency | 30 Hz |
| Re | 5.1 Ω |
| Qes | 0.24 |
| Qms | 10.0 |
| Qts | 0.23 |
| Vas | 269.0 dm ³ (9.5 ft ³) |
| Sd | 1680.0 cm ² (260.4 in ²) |
| η_o | 3.0 % |
| Xmax | 15.0 mm |
| Xvar | 16.5 mm |
| Mms | 407.0 g |
| Bl | 40.8 Txm |
| Le | 4.6 mH |
| EBP | 125 Hz |

MOUNTING AND SHIPPING INFO

| | |
|-------------------------------|--|
| Overall Diameter | 547 mm (21.54 in) |
| Bolt Circle Diameter | 527 mm (20.7 in) |
| Baffle Cutout Diameter | 508.0 mm (20.0 in) |
| Depth | 255 mm (10.04 in) |
| Flange and Gasket Thickness | 13 mm (0.51 in) |
| Air Volume Occupied by Driver | 15.0 dm ³ (0.53 ft ³) |
| Net Weight | 14.8 kg (32.63 lb) |
| Shipping Units | 1 |
| Shipping Weight | 17.1 kg (37.7 lb) |
| Shipping Box | 570x570x320 mm (22.44x22.44x12.60 in) |

SERVICE KIT

| |
|-------------|
| RCK21DS1158 |
|-------------|

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

B&C Speakers s.p.a.

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