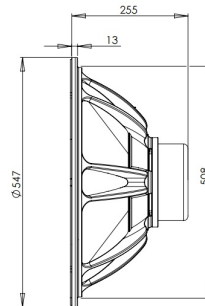
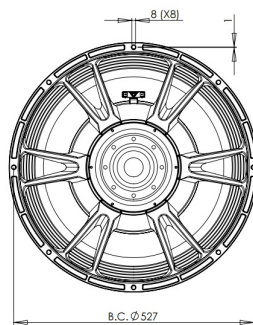


# 21DS115

**4Ω****LF Drivers** - 21.0 Inches

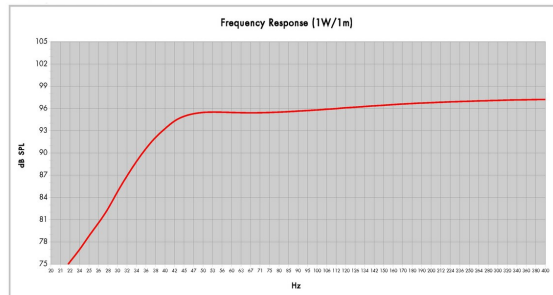
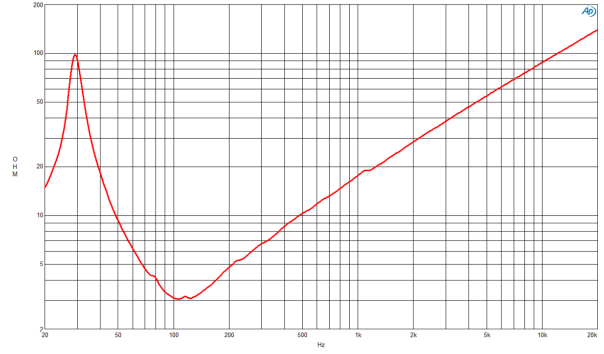
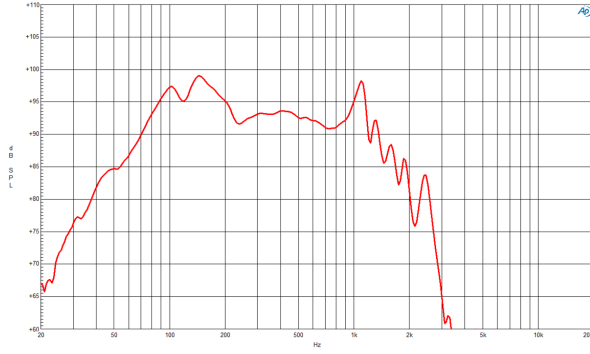
- 3400 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 30 - 1000 Hz response
- 99 dB sensitivity
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



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 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 17 mm 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



Model: **21DS115**  
 Enclosure Type: **Box Reflex** Configuration: **One Driver**  
 Internal Net Volume (liters): **130** Q<sub>8</sub>: **7**  
 Tuning Frequency (Hz): **40** Port Area (cm<sup>2</sup>): **333.0**  
 Frequency (-3 dB) (Hz): **42.7** Port Length (cm): **35.2**  
 Frequency (-10 dB) (Hz): **32.5**

### SPECIFICATIONS

|  |                   |
|--|-------------------|
| Nominal Diameter                       | 530 mm (21.0 in)  |
| Nominal Impedance                      | 4 Ω               |
| Minimum Impedance                      | 3.1 Ω             |
| Nominal Power Handling <sup>1</sup>    | 1700 W            |
| Continuous power handling <sup>2</sup> | 3400 W            |
| Sensitivity (1W/1m) <sup>3</sup>       | 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 <sup>3</sup> (4.59 ft <sup>3</sup> ) |
| Recommended Tuning    | 40 Hz   |

### PARAMETERS<sup>4</sup>

|                     |   |
|---------------------|---|
| Resonance Frequency | 30 Hz   |
| Re                  | 2.2 Ω   |
| Qes                 | 0.2   |
| Qms                 | 11.0  |
| Qts                 | 0.21  |
| Vas                 | 274.0 dm <sup>3</sup> (9.68 ft <sup>3</sup> )   |
| Sd                  | 1680.0 cm <sup>2</sup> (260.4 in <sup>2</sup> ) |
| η <sub>o</sub>      | 3.4 %   |
| Xmax                | ± 15.0 mm                                       |
| Xvar                | ± 17.0 mm                                       |
| Mms                 | 412.0 g   |
| Bl                  | 28.8 Txm  |
| Le                  | 2.4 mH  |
| EBP                 | 150 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 <sup>3</sup> (0.53 ft <sup>3</sup> ) |
| 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**

|            |             |
|------------|-------------|
| Recone kit | RCK21DS1154 |
|------------|-------------|

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.