

## 10NW76 8 Ω

## Woofer

- 800 W continuous program power capacity
- 76 mm (3 in) copper clad aluminum wire voice coil
- 65 - 3500 Hz response
- 96.5 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring for very low distortion
- Ventilated voice coil gap for reduced power

Over the last several years, B&C has pushed neodymium magnet woofer performance to the next level. The deep, 3" (76mm) diameter voice coil utilized in the 10NW76 provides increased power handling and more overall output. A proven B&C suspension system combines a triple roll surround and single spider for superior, reliable Xmax and balanced output. An aluminium demodulation ring keeps distortion low, while the deeper, high power voice coil is cooled using a ventilated voice coil gap. Extreme performance and reliability, excellent value.



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### SPECIFICATIONS

|   |                                 |
|---|---------------------------------|
| Nominal Diameter  | <b>250 mm (10 in)</b>           |
| Nominal Impedance   | <b>8 Ω</b>                      |
| Minimum Impedance   | <b>6.6 Ω</b>                    |
| Nominal Power Handling  | <b>400 W</b>                    |
| 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. |                                 |
| Continuous Power Handling   | <b>800 W</b>                    |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.   |                                 |
| Sensitivity   | <b>96.5 dB</b>                  |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.  |                                 |
| Frequency Range   | <b>65 Hz - 3500 Hz</b>          |
| Voice Coil Diameter   | <b>76 mm (3 in)</b>             |
| Winding Material  | <b>CCAW</b>                     |
| Former Material   | <b>Glass Fibre</b>              |
| Winding Depth   | <b>18.5 mm (0.73 in)</b>        |
| Magnetic Gap Depth  | <b>10 mm (0.39 in)</b>          |
| Flux Density  | <b>1.35 T</b>                   |
| Woofer Cone Treatment   | <b>WP Waterproof Front Side</b> |

### PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

|      |  |
|------|--|
| Fs   | <b>67 Hz</b>                                     |
| Re   | <b>5.5 Ω</b>                                     |
| Qes  | <b>0.27</b>                                      |
| Qms  | <b>7.8</b>                                       |
| Qts  | <b>0.26</b>                                      |
| Vas  | <b>17.6 dm<sup>3</sup> (0.62 ft<sup>3</sup>)</b> |
| Sd   | <b>320 cm<sup>2</sup> (49.6 in<sup>2</sup>)</b>  |
| η0   | <b>1.85 %</b>                                    |
| Xmax | <b>6.8 mm</b>                                    |
| Xvar | <b>7 mm</b>                                      |
| Mms  | <b>47 g</b>                                      |
| Bl   | <b>20 Tm</b>                                     |
| Le   | <b>0.38 mH</b>                                   |
| EBP  | <b>248 Hz</b>                                    |

### DESIGN

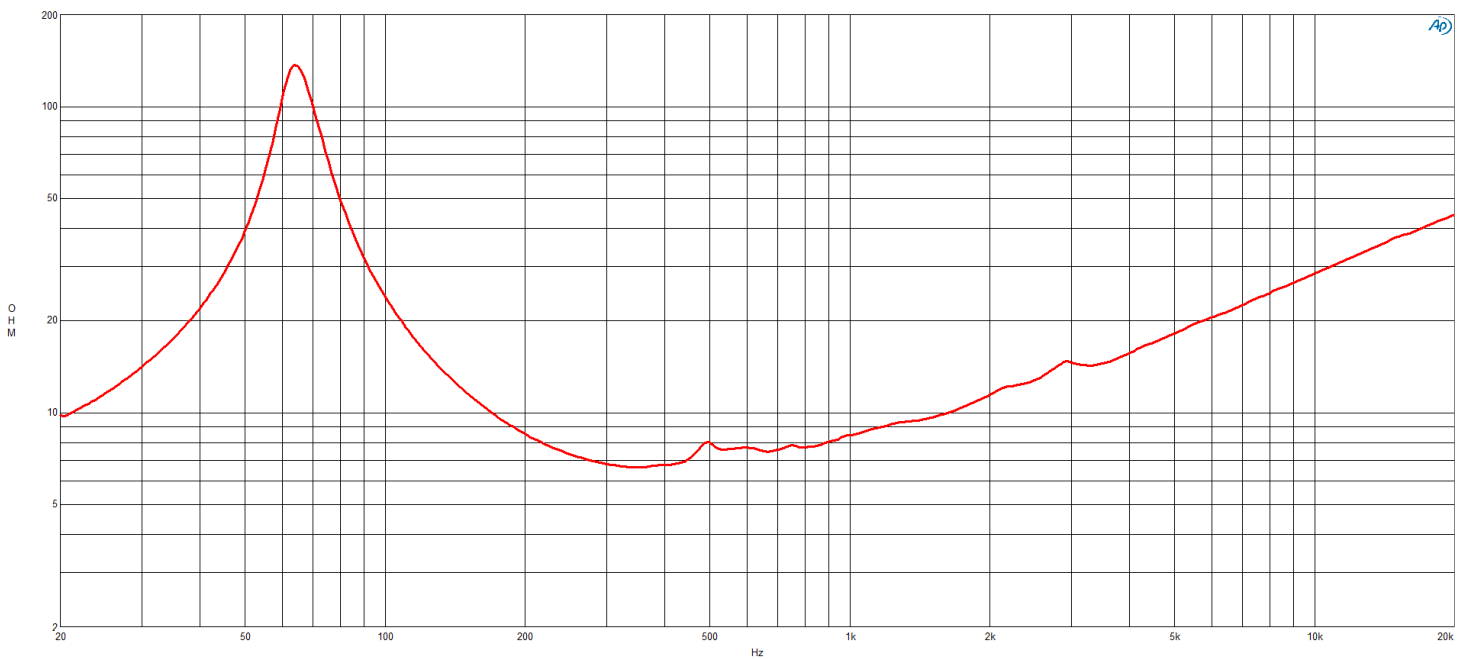
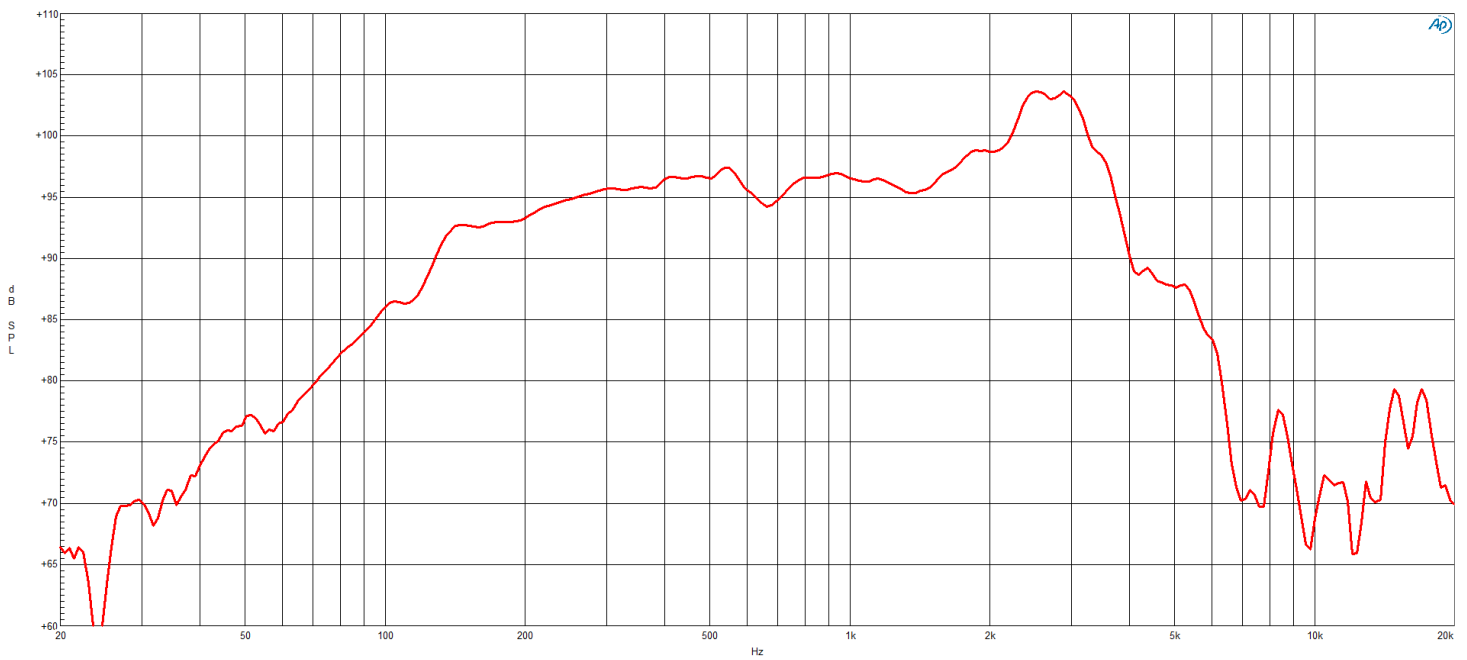
|                       |  |
|-----------------------|--|
| Surround Shape        | <b>Triple Roll</b>                             |
| Cone Shape            | <b>Curvilinear</b>                             |
| Magnet Material       | <b>Neodymium Ring</b>                          |
| Spider                | <b>Single</b>                                  |
| Pole Design           | <b>T-Pole</b>                                  |
| Woofer Cone Treatment | <b>WP Waterproof Front Side</b>                |
| Recommended Enclosure | <b>26 dm<sup>3</sup> (0.92 ft<sup>3</sup>)</b> |
| Recommended Tuning    | <b>65 Hz</b>                                   |

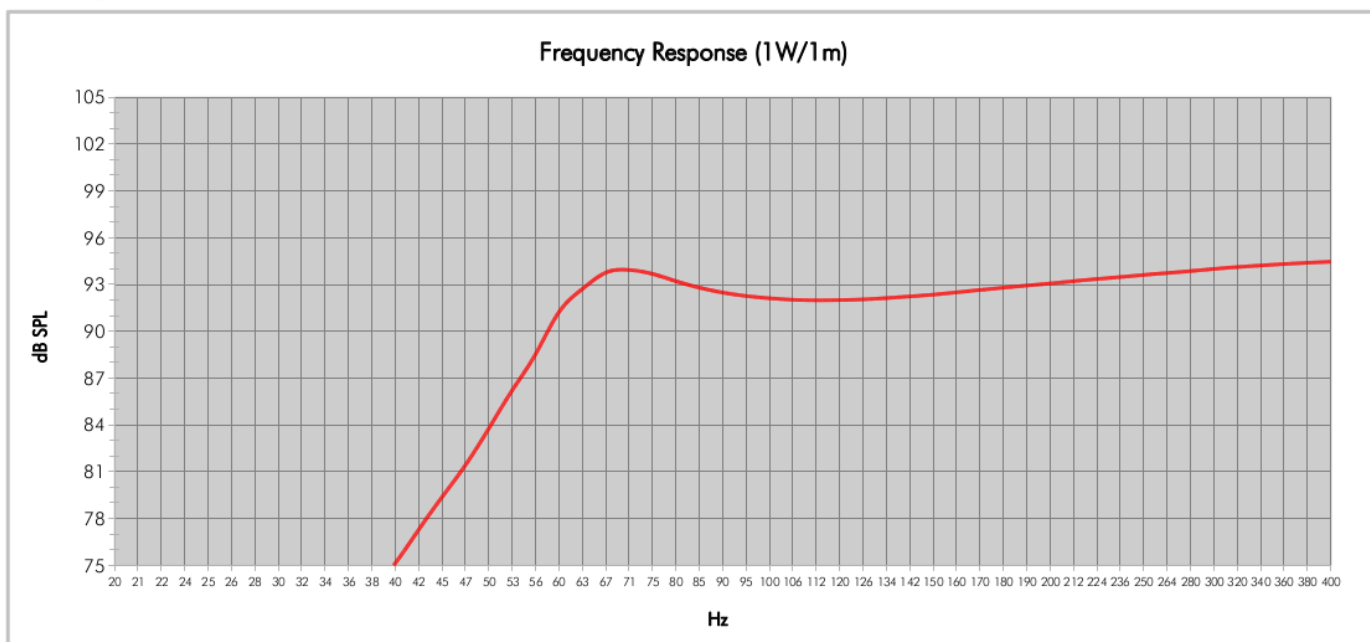
### MOUNTING AND SHIPPING INFO

|                               |   |
|-------------------------------|---|
| Overall Diameter              | <b>261 mm (10.28 in)</b>                        |
| Bolt Circle Diameter          | <b>246 mm (9.69 in)</b>                         |
| Baffle Cutout Diameter        | <b>233 mm (9.17 in)</b>                         |
| Depth                         | <b>119 mm (4.69 in)</b>                         |
| Flange and Gasket Thickness   | <b>13 mm (0.51 in)</b>                          |
| Air Volume Occupied by Driver | <b>1.5 dm<sup>3</sup> (0.05 ft<sup>3</sup>)</b> |
| Net Weight                    | <b>3.8 kg (8.38 lb)</b>                         |
| Shipping Units                | <b>1 pcs</b>                                    |
| Shipping Weight               | <b>4.4 kg (9.7 lb)</b>                          |
| Shipping Box                  | <b>295x314x175 mm (11.61x12.36x6.89 in)</b>     |

### SERVICE KITS

|                |                   |
|----------------|-------------------|
| LF recone-kits | <b>RCK10NW768</b> |
|----------------|-------------------|





|                               |                    |                               |                   |
|-------------------------------|--------------------|-------------------------------|-------------------|
| Model:                        | <b>10NW76</b>      | Configuration:                | <b>One Driver</b> |
| Enclosure Type:               | <b>Bass Reflex</b> |                               |                   |
| Internal Net Volume (Litres): | <b>26</b>          | QB:                           | <b>7</b>          |
| Tuning Frequency (Hz):        | <b>65</b>          | Port Area (cm <sup>2</sup> ): | <b>80,0</b>       |
| Frequency (-3 dB) (Hz):       | <b>62,0</b>        | Port Length (cm):             | <b>13,1</b>       |
| Frequency (-10 dB) (Hz):      | <b>51,8</b>        |                               |                   |

# LF Drivers

Ø 10 inches

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