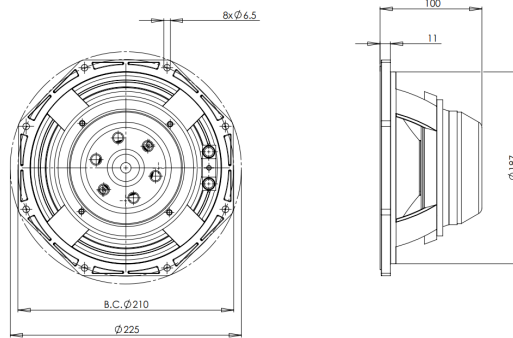


# 8NW51

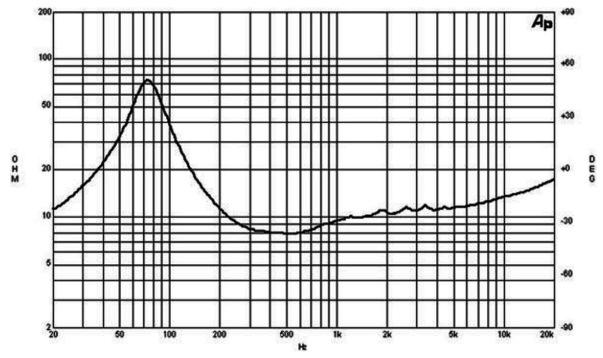
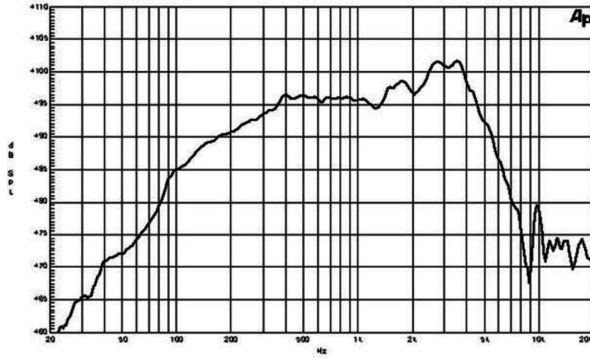
**8Ω****LF Drivers - 8.0 Inches**

- 400 W continuous program power capacity
- 51 mm (2 in) copper voice coil
- 70 - 3000 Hz response
- 96.5 dB sensitivity
- Neodymium ring magnet assembly
- Shorting copper cap for extended HF response
- Ventilated voice coil gap for reduced power compression



# 8NW51

LF Drivers- 8.0 Inches



## SPECIFICATIONS

|  |                   |
|--|-------------------|
| Nominal Diameter                       | 200 mm (8.0 in)   |
| Nominal Impedance                      | 8 $\Omega$        |
| Minimum Impedance                      | 7.7 $\Omega$      |
| Nominal Power Handling <sup>1</sup>    | 200 W             |
| Continuous power handling <sup>2</sup> | 400 W             |
| Sensitivity (1W/1m) <sup>3</sup>       | 96.5 dB           |
| Frequency Range                        | 70 - 3000 Hz      |
| Voice Coil Diameter                    | 51 mm (2.0 in)    |
| Winding Material                       | Copper            |
| Former Material                        | Glass Fibre       |
| Winding Depth                          | 19.0 mm (0.73 in) |
| Magnetic Gap Depth                     | 10.0 mm (0.4 in)  |
| Flux Density                           | 1.3 T             |

## DESIGN

|                       |                           |
|-----------------------|---------------------------|
| Surround Shape        | Double Roll               |
| Cone Shape            | Exponential               |
| Magnet Material       | Neodymium Ring            |
| Spider                | Single                    |
| Pole Design           | T-Pole                    |
| Woofer Cone Treatment | TWP Waterproof Both Sides |

## PARAMETERS<sup>4</sup>

|                     |   |
|---------------------|---|
| Resonance Frequency | 74 Hz   |
| Re                  | 5.2 $\Omega$                                  |
| Qes                 | 0.19  |
| Qms                 | 2.7   |
| Qts                 | 0.17  |
| Vas                 | 11.0 dm <sup>3</sup> (0.4 ft <sup>3</sup> )   |
| Sd                  | 220.0 cm <sup>2</sup> (34.1 in <sup>2</sup> ) |
| $\eta_0$            | 2.4 %   |
| Xmax                | $\pm$ 6.0 mm                                  |
| Xvar                | $\pm$ 6.0 mm                                  |
| Mms                 | 28.0 g  |
| Bl                  | 18.9 Txm                                      |
| Le                  | 0.4 mH  |
| EBP                 | 389 Hz  |

## MOUNTING AND SHIPPING INFO

|                               |   |
|-------------------------------|---|
| Overall Diameter              | 225 mm (8.8 in)                             |
| Bolt Circle Diameter          | 210 mm (8.3 in)                             |
| Baffle Cutout Diameter        | 187.0 mm (7.4 in)                           |
| Depth                         | 100 mm (4.0 in)                             |
| Flange and Gasket Thickness   | 11 mm (0.4 in)                              |
| Air Volume Occupied by Driver | 1.1 dm <sup>3</sup> (0.04 ft <sup>3</sup> ) |
| Net Weight                    | 3.05 kg (6.72 lb)                           |
| Shipping Units                | 1   |
| Shipping Weight               | 3.5 kg (7.72 lb)                            |
| Shipping Box                  | 255x255x150 mm (10.04x10.04x5.91 in)        |

## SERVICE KIT

|            |             |
|------------|-------------|
| Recone kit | RCK008NW518 |
|------------|-------------|

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.

B&C Speakers s.p.a.

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