

- 51 mm (2 in) copper voice coil
- 75 - 3000 Hz response
- 94 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Shorting copper cap for extended HF response
- 400 W continuous program power capacity
- Ventilated voice coil gap for reduced power compression



## 8NDL51 4 Ω

Woofer

### SPECIFICATIONS

Nominal Diameter	<b>200 mm (8 in)</b>
Nominal Impedance	<b>4 Ω</b>
Minimum Impedance	<b>3 Ω</b>
Nominal Power Handling	<b>200 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>400 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>94 dB</b>
Applied RMS Voltage is set to 2V for 4 ohm Nominal Impedance	
Frequency Range	<b>75 Hz - 3000 Hz</b>
Voice Coil Diameter	<b>51 mm (2 in)</b>
Winding Material	<b>Copper</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>16 mm (0.63 in)</b>
Magnetic Gap Depth	<b>8 mm (0.31 in)</b>
Flux Density	<b>1.05 T</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>

### PARAMETERS

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

Fs	<b>75 Hz</b>
Re	<b>2.6 Ω</b>
Qes	<b>0.64</b>
Qms	<b>5.22</b>
Qts	<b>0.57</b>
Vas	<b>10.1 dm<sup>3</sup> (0.36 ft<sup>3</sup>)</b>
Sd	<b>220 cm<sup>2</sup> (34.1 in<sup>2</sup>)</b>
η0	<b>0.73 %</b>
Xmax	<b>7 mm</b>
Xvar	<b>7 mm</b>
Mms	<b>27 g</b>
Bl	<b>7.3 Tm</b>
Le	<b>0.15 mH</b>
EBP	<b>117 Hz</b>

### DESIGN

Surround Shape	<b>Double Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Single</b>
Pole Design	<b>Straight Pole</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>
Recommended Enclosure	<b>14 dm<sup>3</sup> (0.49 ft<sup>3</sup>)</b>
Recommended Tuning	<b>65 Hz</b>

### MOUNTING AND SHIPPING INFO

Overall Diameter	<b>225 mm (8.8 in)</b>
Bolt Circle Diameter	<b>210 mm (8.3 in)</b>
Baffle Cutout Diameter	<b>187 mm (7.4 in)</b>
Depth	<b>90 mm (3.5 in)</b>
Flange and Gasket Thickness	<b>11 mm (0.4 in)</b>
Air Volume Occupied by Driver	<b>1.1 dm<sup>3</sup> (0.04 ft<sup>3</sup>)</b>
Net Weight	<b>1.85 kg (4.08 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>2.3 kg (5.07 lb)</b>
Shipping Box	<b>255x255x150 mm (10.04x10.04x5.91 in)</b>

### SERVICE KITS

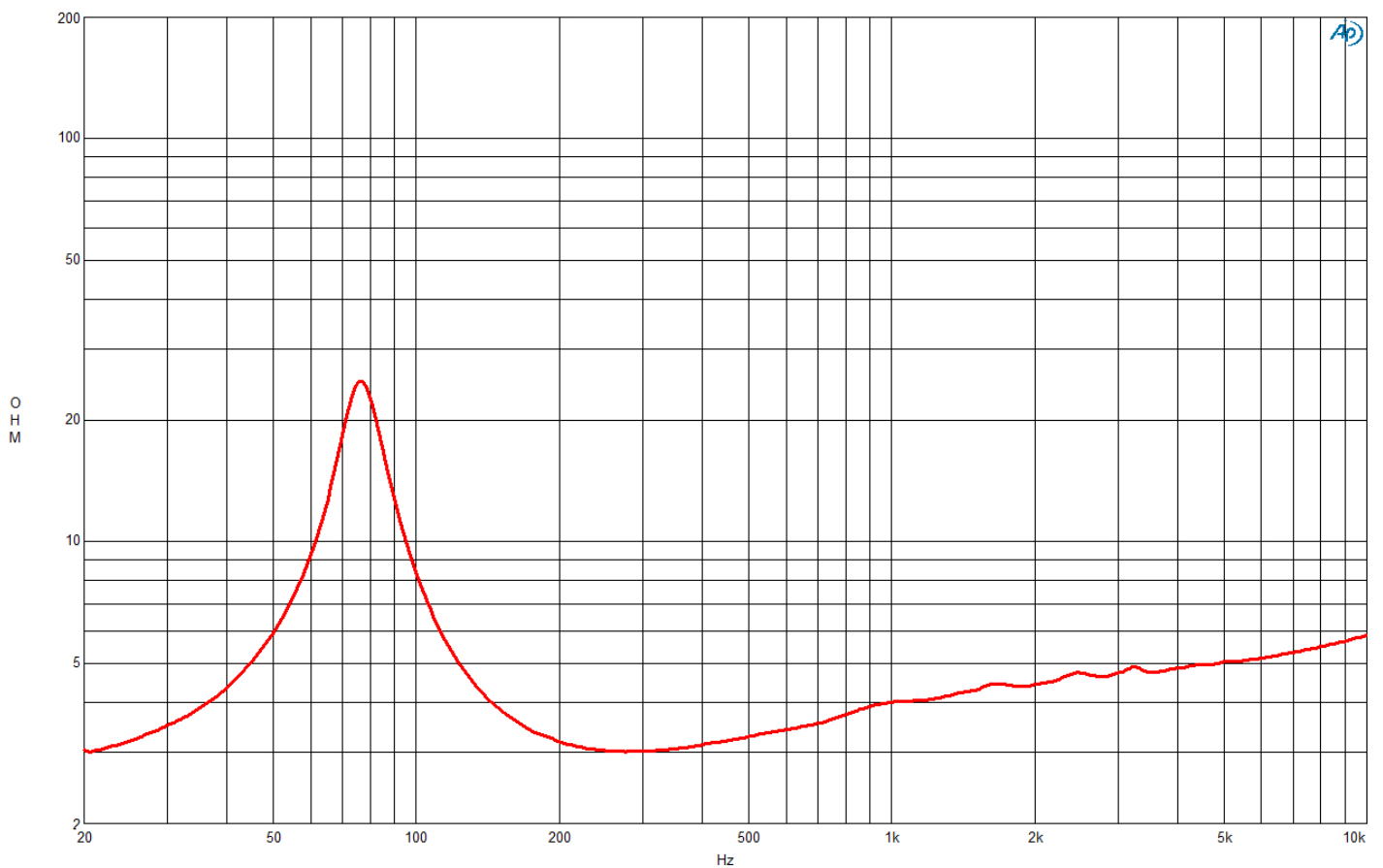
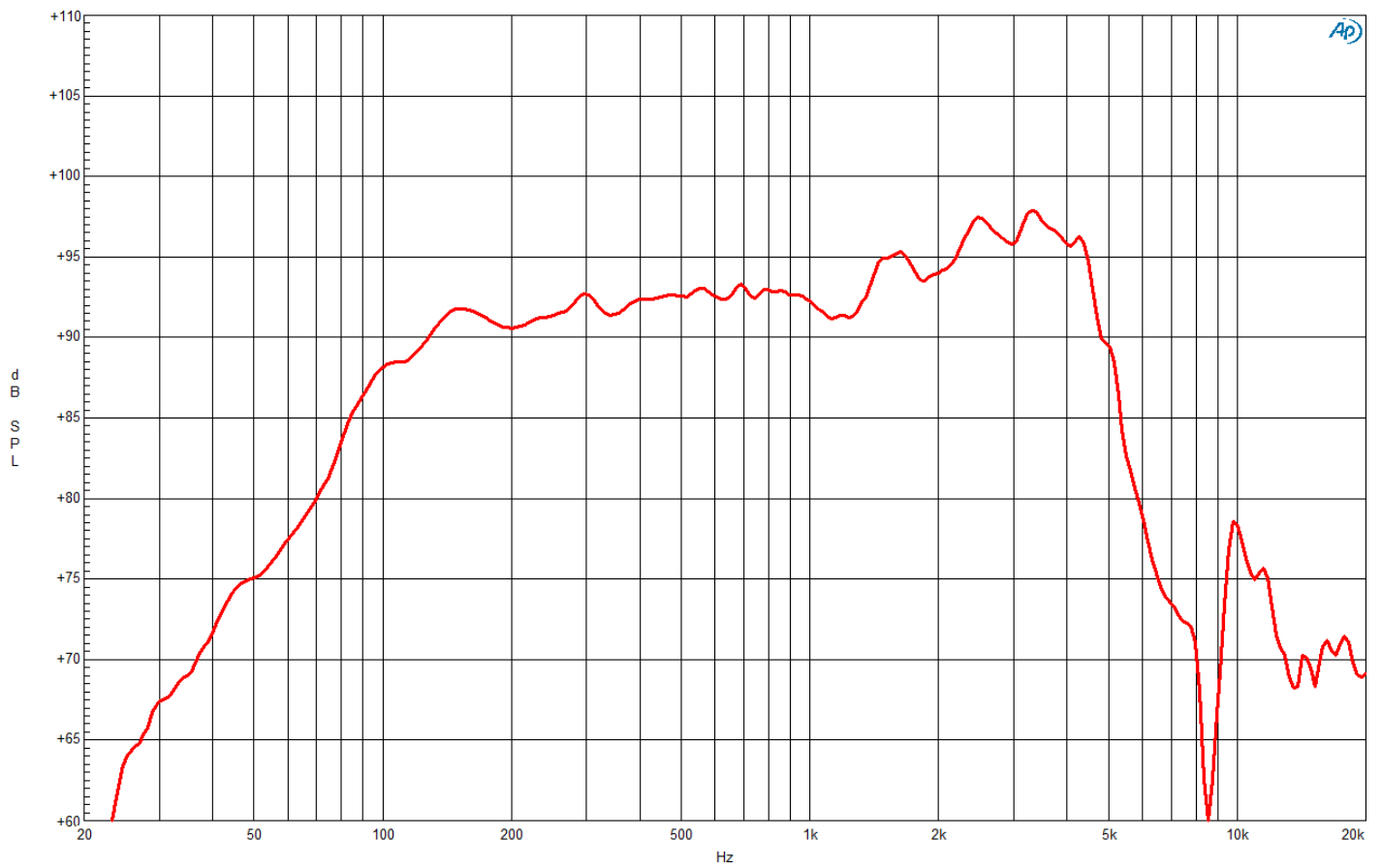
LF recone-kits	<b>RCK008NDL514</b>
----------------	---------------------

# LF Drivers

Ø 8 inches

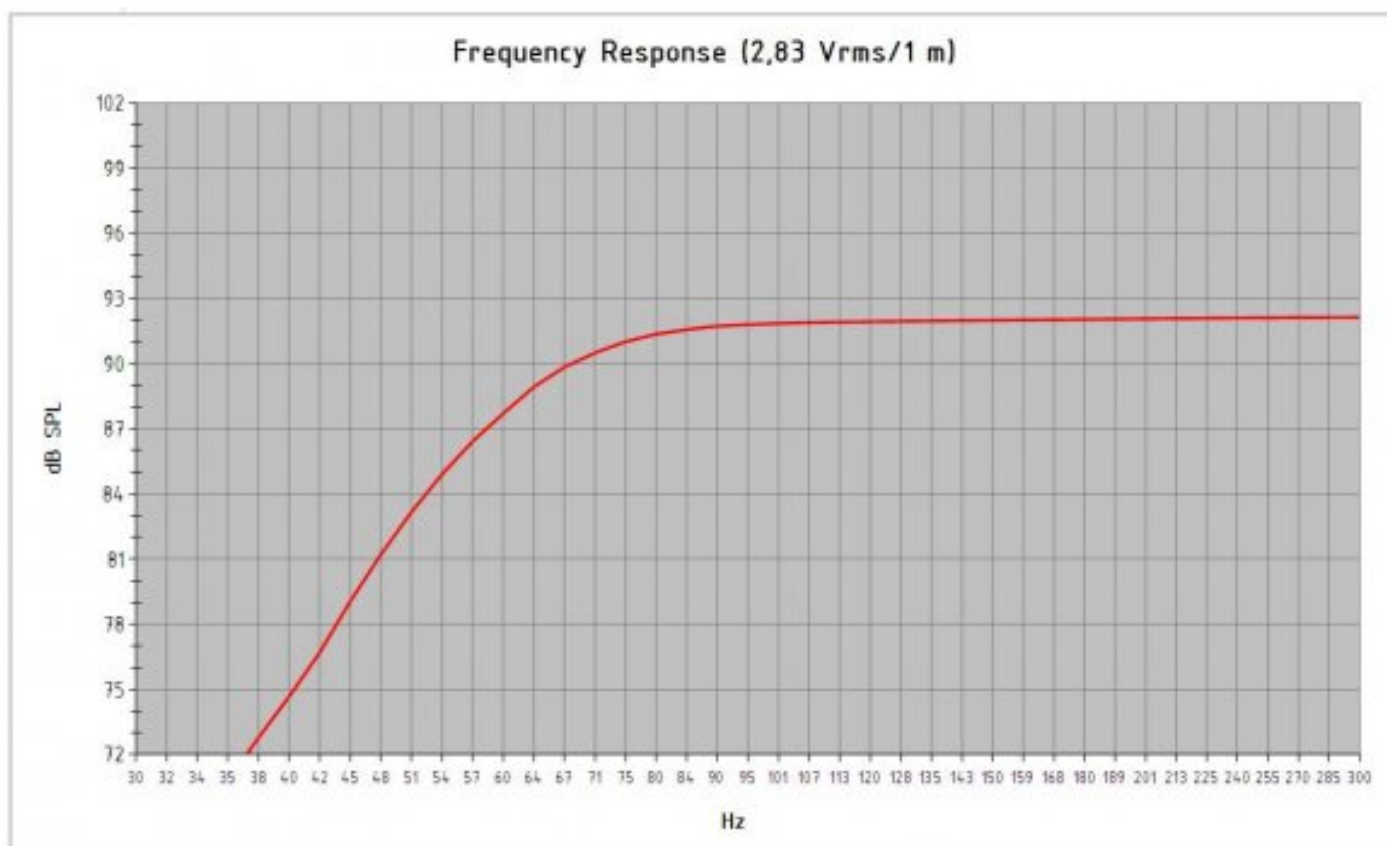
**8NDL51** 4 Ω

Woofer



Professional loudspeaker transducers since 1946

**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](mailto:mail@bcspeakers.com)



<i>Model:</i>	<b>8 NDL 51</b>		
<i>Enclosure Type:</i>	<b>Bass Reflex</b>		
<i>Internal Net Volume (Liters):</i>	<b>14</b>	<i>Port Area (cm<sup>2</sup>):</i>	<b>32,2</b>
<i>Tuning Frequency (Hz):</i>	<b>65</b>	<i>Port Length (cm):</i>	<b>10,8</b>
<i>Frequency (-3 dB) (Hz):</i>	<b>64,7</b>		
<i>Excursion Limited Maximum SPL at 1 meter (dB):</i>	<b>113,4</b>	<i>equal to</i>	<b>160,2 Watts</b> <i>(Bass Band Power Rating)</i>
<i>Thermal Limited Maximum SPL at 1 meter (dB):</i>	<b>114,4</b>	<i>equal to</i>	<b>200,0 Watts</b> <i>(Mid Band Power Rating)</i>

