

- 400 W continuous program power capacity
- 51 mm (2 in) copper voice coil
- 70 - 5000 Hz response
- 94 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Shorting copper cap for extended HF response



## 8CL51 8 Ω

Woofer

### SPECIFICATIONS

Nominal Diameter	<b>200 mm (8 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.3 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 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>70 Hz - 5000 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>17 mm (0.67 in)</b>
Magnetic Gap Depth	<b>8 mm (0.31 in)</b>
Flux Density	<b>1.15 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>69 Hz</b>
Re	<b>5.1 Ω</b>
Qes	<b>0.44</b>
Qms	<b>5.6</b>
Qts	<b>0.41</b>
Vas	<b>12.5 dm<sup>3</sup> (0.44 ft<sup>3</sup>)</b>
Sd	<b>220 cm<sup>2</sup> (34.1 in<sup>2</sup>)</b>
η0	<b>0.9 %</b>
Xmax	<b>6.5 mm</b>
Xvar	<b>6 mm</b>
Mms	<b>29 g</b>
Bl	<b>12 Tm</b>
Le	<b>0.5 mH</b>
EBP	<b>157 Hz</b>

### DESIGN

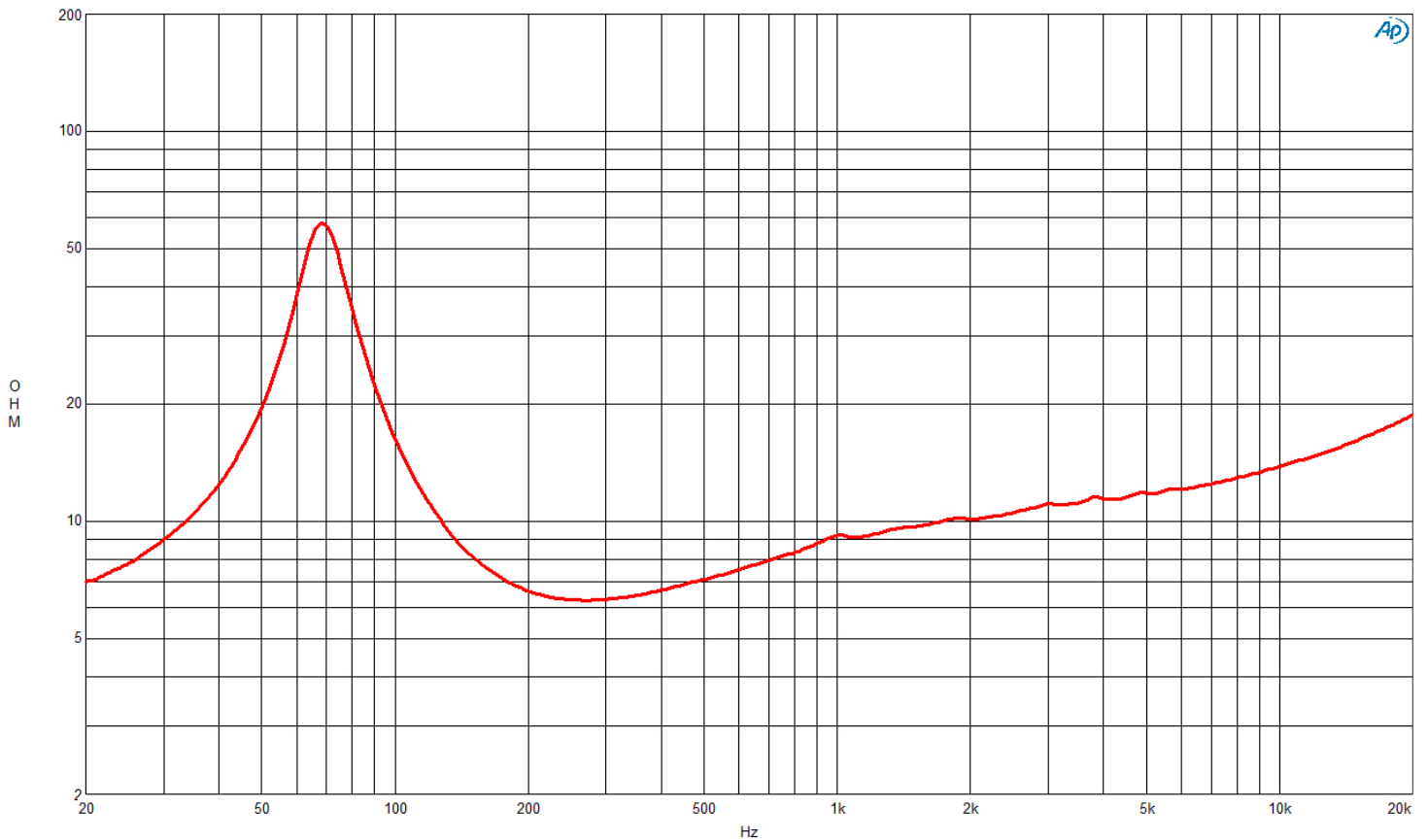
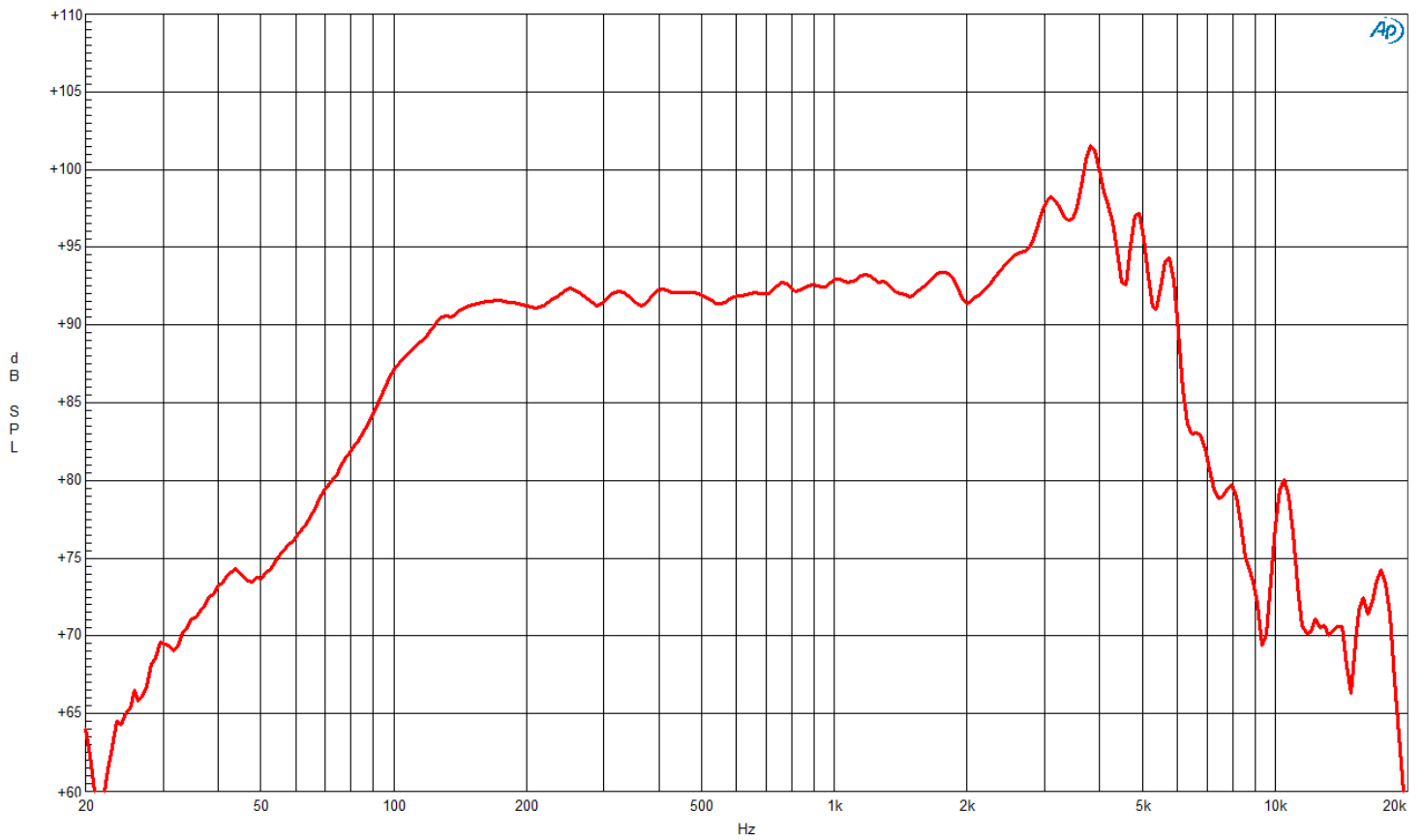
Surround Shape	<b>Double Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Single</b>
Pole Design	<b>Straight Pole</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>
Recommended Enclosure	<b>17 dm<sup>3</sup> (0.6 ft<sup>3</sup>)</b>
Recommended Tuning	<b>63 Hz</b>

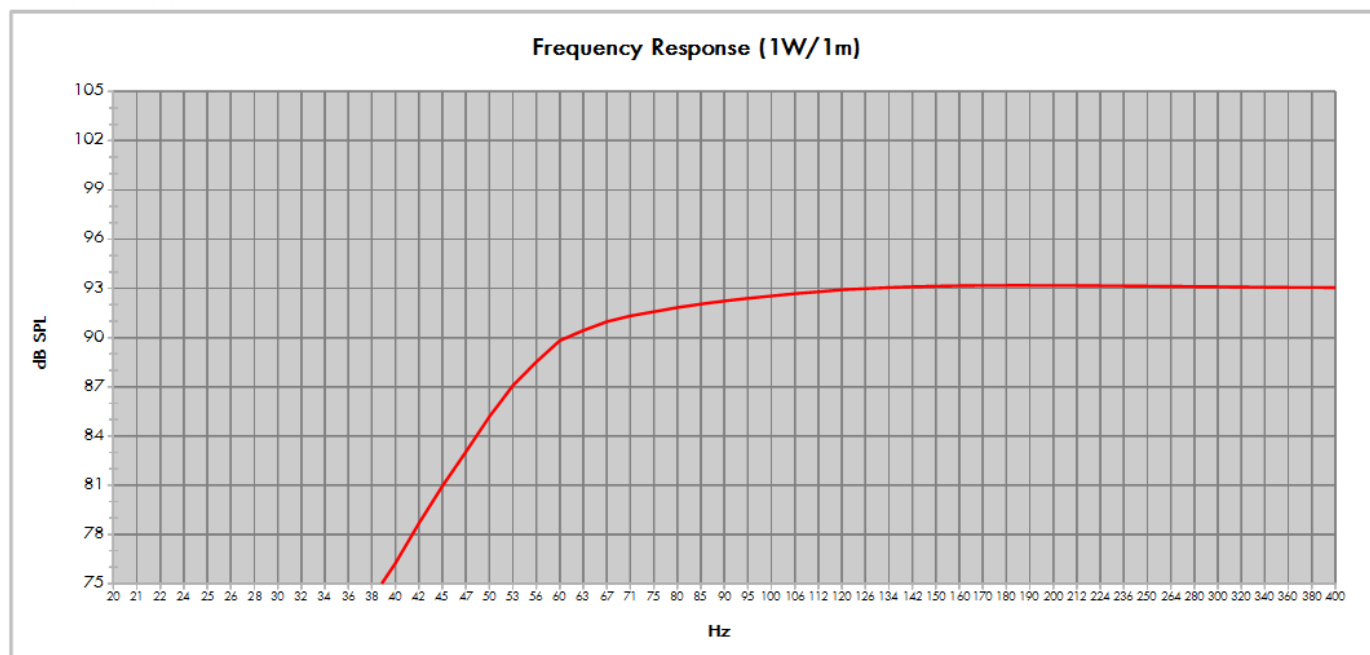
### MOUNTING AND SHIPPING INFO

Overall Diameter	<b>209 mm (8.23 in)</b>
Bolt Circle Diameter	<b>199 mm (7.83 in)</b>
Baffle Cutout Diameter	<b>186 mm (7.32 in)</b>
Depth	<b>96 mm (3.78 in)</b>
Flange and Gasket Thickness	<b>9 mm (0.35 in)</b>
Air Volume Occupied by Driver	<b>1.1 dm<sup>3</sup> (0.04 ft<sup>3</sup>)</b>
Net Weight	<b>1.25 kg (2.76 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>1.7 kg (3.75 lb)</b>
Shipping Box	<b>255x255x150 mm (10.04x10.04x5.91 in)</b>

### SERVICE KITS

LF recone-kits	<b>RCK008CL518</b>
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Model:	<b>8CL51-16</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>		
Internal Net Volume (Litres):	<b>17</b>	QB:	<b>7</b>
Tuning Frequency (Hz):	<b>63</b>	Port Area (cm <sup>2</sup> ):	<b>50,0</b>
Frequency (-3 dB) (Hz):	<b>60,7</b>	Port Length (cm):	<b>15,3</b>
Frequency (-10 dB) (Hz):	<b>47,1</b>		

