

**12HPL76** 8 Ω

Woofer

700 W continuous program power capacity  
76 mm (3 in) aluminium voice coil  
50 - 3500 Hz response  
99 dB sensitivity  
Neodymium magnet allows a very light yet powerful motor assembly  
Ventilated voice coil gap for reduced power compression



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# Woofers

## SPECIFICATIONS

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.7 Ω</b>
Nominal Power Handling	<b>350 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>700 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>99 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>50 Hz - 3500 Hz</b>
Voice Coil Diameter	<b>76 mm (3 in)</b>
Winding Material	<b>Aluminium</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>18 mm (0.68 in)</b>
Magnetic Gap Depth	<b>10 mm (0.4 in)</b>
Flux Density	<b>1.15 T</b>
Woofers Cone Treatment	<b>None</b>

## PARAMETERS

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

Fs	<b>49 Hz</b>
Re	<b>6 Ω</b>
Qes	<b>0.26</b>
Qms	<b>2.5</b>
Qts	<b>0.25</b>
Vas	<b>91 dm<sup>3</sup> (3.2 ft<sup>3</sup>)</b>
Sd	<b>522 cm<sup>2</sup> (80.9 in<sup>2</sup>)</b>
η0	<b>4.1 %</b>
Xmax	<b>4 mm</b>
Xvar	<b>5.5 mm</b>
Mms	<b>43 g</b>
Bl	<b>17.3 Tm</b>
Le	<b>1.5 mH</b>
EBP	<b>188 Hz</b>

## DESIGN

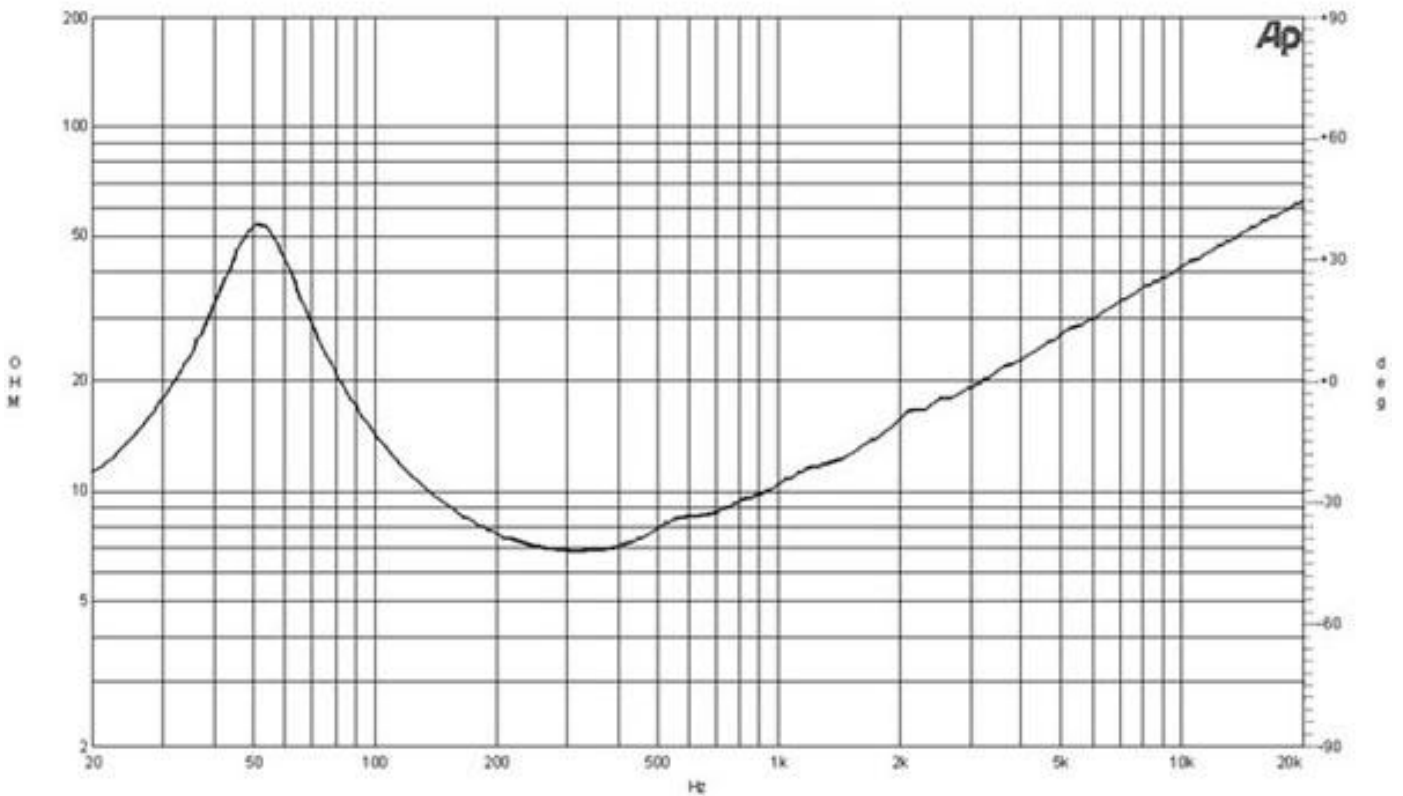
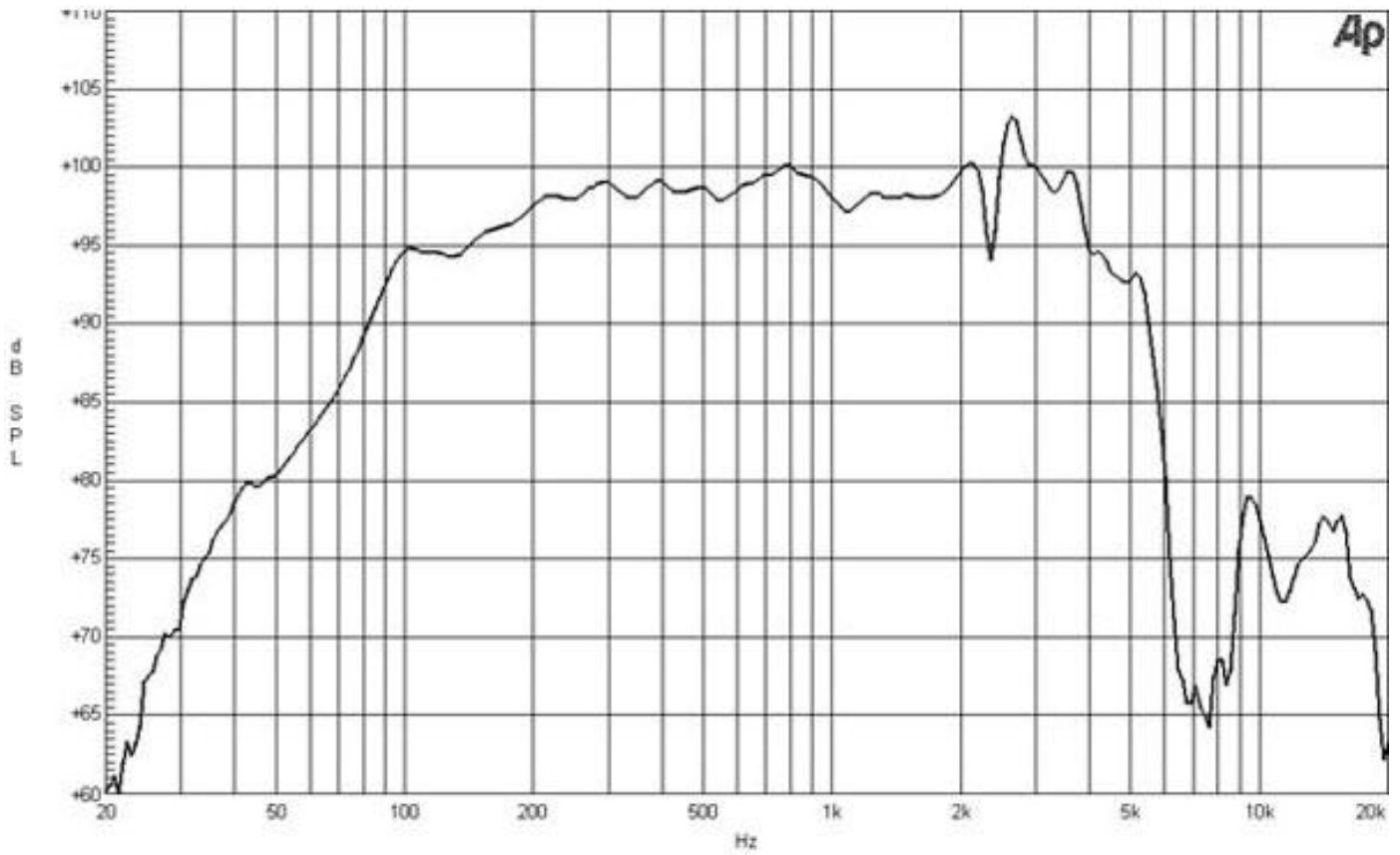
Surround Shape	<b>Double Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Single</b>
Pole Design	<b>Straight Pole</b>
Woofers Cone Treatment	<b>None</b>
Recommended Enclosure	<b>40 dm<sup>3</sup> (1.41 ft<sup>3</sup>)</b>
Recommended Tuning	<b>70 Hz</b>

## MOUNTING AND SHIPPING INFO

Overall Diameter	<b>315 mm (12.4 in)</b>
Bolt Circle Diameter	<b>296 mm (11.6 in)</b>
Baffle Cutout Diameter	<b>282 mm (11.1 in)</b>
Depth	<b>144 mm (5.7 in)</b>
Flange and Gasket Thickness	<b>13 mm (0.5 in)</b>
Net Weight	<b>3.15 kg (6.94 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>4.05 kg (8.93 lb)</b>
Shipping Box	<b>360x360x200 mm (14.17x14.17x7.87 in)</b>

## SERVICE KITS

LF recone-kits	<b>RCK012HPL768</b>
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