

**10HPL64** 8 Ω

Woofer

- 400 W continuous program power capacity
- 64 mm (2.5 in) aluminium voice coil
- 60 - 4000 Hz response
- 98.5 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly



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## SPECIFICATIONS

Nominal Diameter	<b>250 mm (10 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.2 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>98.5 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>60 Hz - 4000 Hz</b>
Voice Coil Diameter	<b>64 mm (2.5 in)</b>
Winding Material	<b>Aluminium</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>12 mm (0.47 in)</b>
Magnetic Gap Depth	<b>8 mm (0.31 in)</b>
Flux Density	<b>1.25 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>61 Hz</b>
Re	<b>5.4 Ω</b>
Qes	<b>0.33</b>
Qms	<b>4.5</b>
Qts	<b>0.31</b>
Vas	<b>32 dm<sup>3</sup> (1.1 ft<sup>3</sup>)</b>
Sd	<b>320 cm<sup>2</sup> (50 in<sup>2</sup>)</b>
η0	<b>2.5 %</b>
Xmax	<b>4 mm</b>
Xvar	<b>5.5 mm</b>
Mms	<b>29 g</b>
Bl	<b>15 Tm</b>
Le	<b>0.5 mH</b>
EBP	<b>185 Hz</b>

## DESIGN

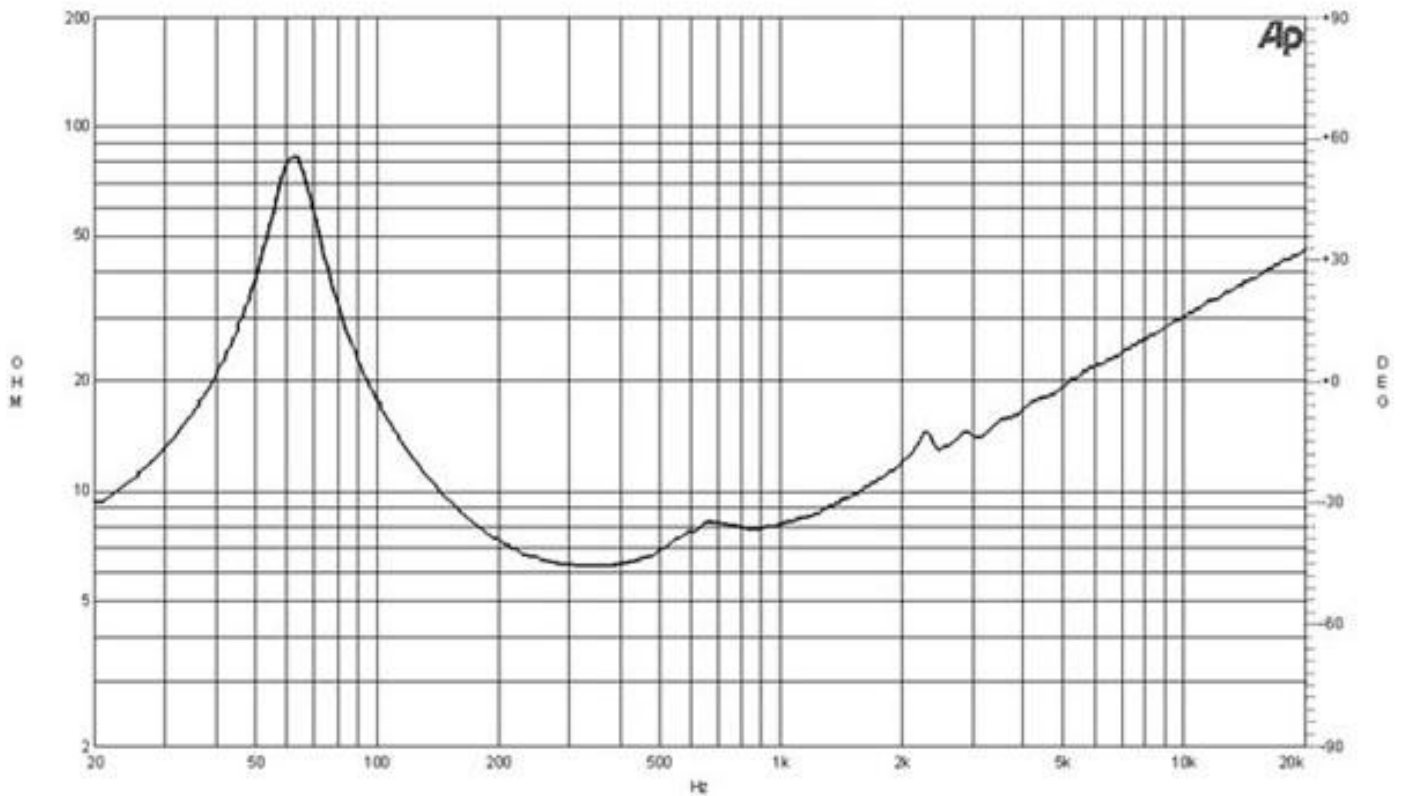
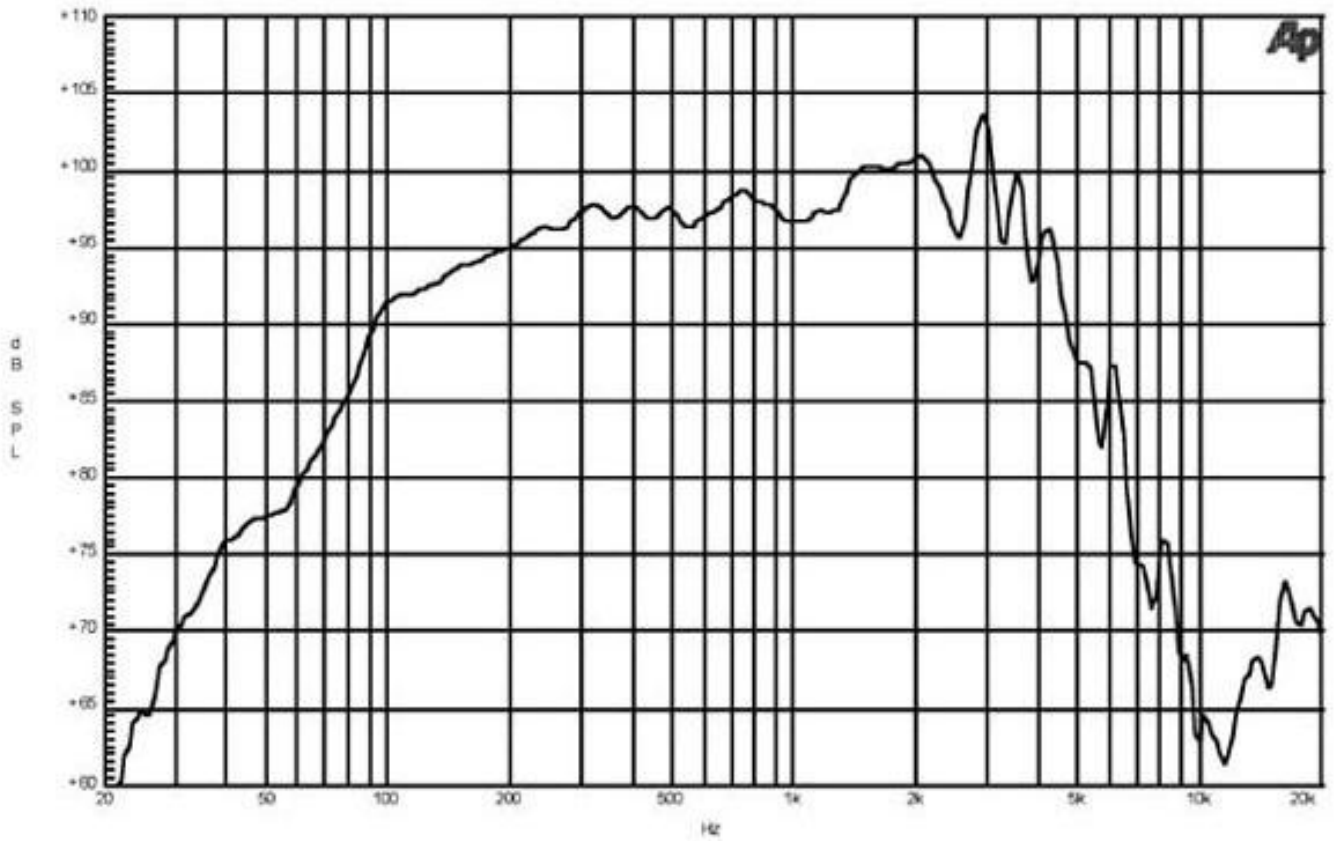
Surround Shape	<b>Double Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Single</b>
Pole Design	<b>Straight Pole</b>
Woofers Cone Treatment	<b>None</b>
Recommended Enclosure	<b>26 dm<sup>3</sup> (0.92 ft<sup>3</sup>)</b>
Recommended Tuning	<b>67 Hz</b>

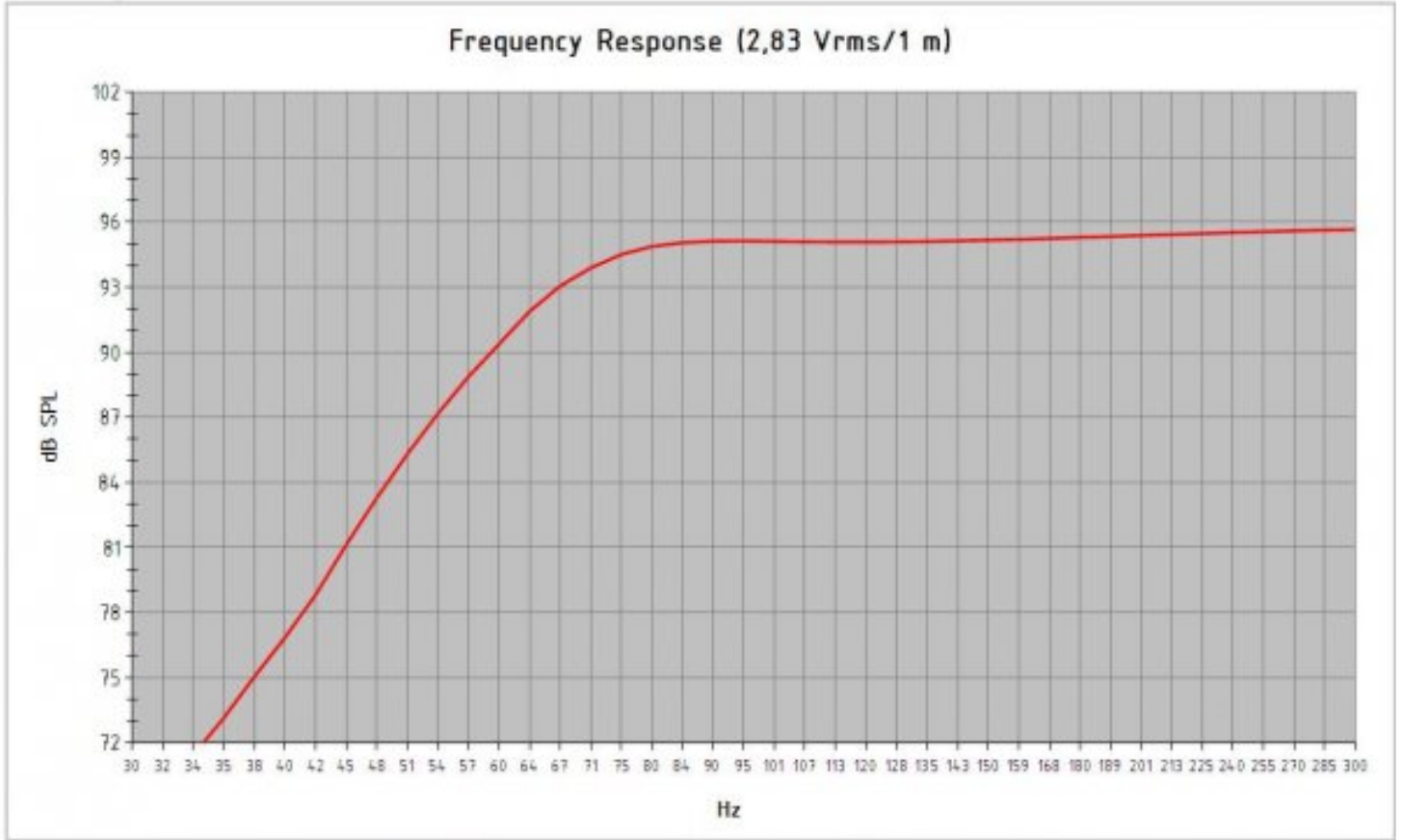
## MOUNTING AND SHIPPING INFO

Overall Diameter	<b>261 mm (10.3 in)</b>
Bolt Circle Diameter	<b>245 mm (9.6 in)</b>
Baffle Cutout Diameter	<b>230 mm (9.1 in)</b>
Depth	<b>122 mm (4.8 in)</b>
Flange and Gasket Thickness	<b>13 mm (0.5 in)</b>
Air Volume Occupied by Driver	<b>1.5 dm<sup>3</sup> (0.05 ft<sup>3</sup>)</b>
Net Weight	<b>1.95 kg (4.3 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>2.55 kg (5.62 lb)</b>
Shipping Box	<b>295x314x175 mm (11.61x12.36x6.89 in)</b>

## SERVICE KITS

LF recone-kits	<b>RCK010HPL648</b>
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<i>Model:</i>	<b>10 HPL 64</b>		
<i>Enclosure Type:</i>	<b>Bass Reflex</b>		
<i>Internal Net Volume (Liters):</i>	<b>26</b>	<i>Port Area (cm<sup>2</sup>):</i>	<b>69,4</b>
<i>Tuning Frequency (Hz):</i>	<b>67</b>	<i>Port Length (cm):</i>	<b>9,6</b>
<i>Frequency (-3 dB) (Hz):</i>	<b>67,0</b>		
<i>Excursion Limited Maximum SPL at 1 meter (dB):</i>	<b>115,9</b>	equal to	<b>127,4</b> Watts <i>(Bass Band Power Rating)</i>
<i>Thermal Limited Maximum SPL at 1 meter (dB):</i>	<b>117,9</b>	equal to	<b>200,0</b> Watts <i>(Mid Band Power Rating)</i>

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