

**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>          |
| Woofer 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

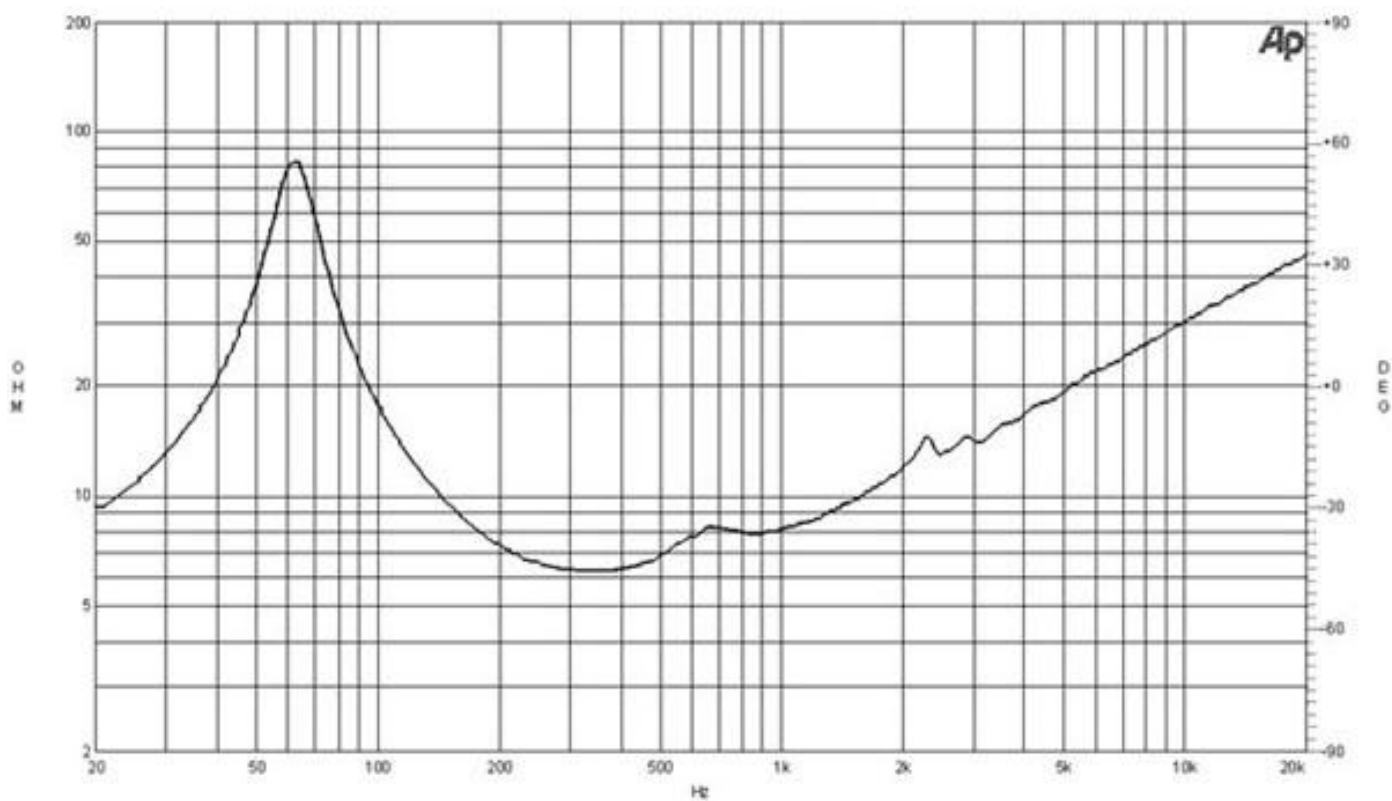
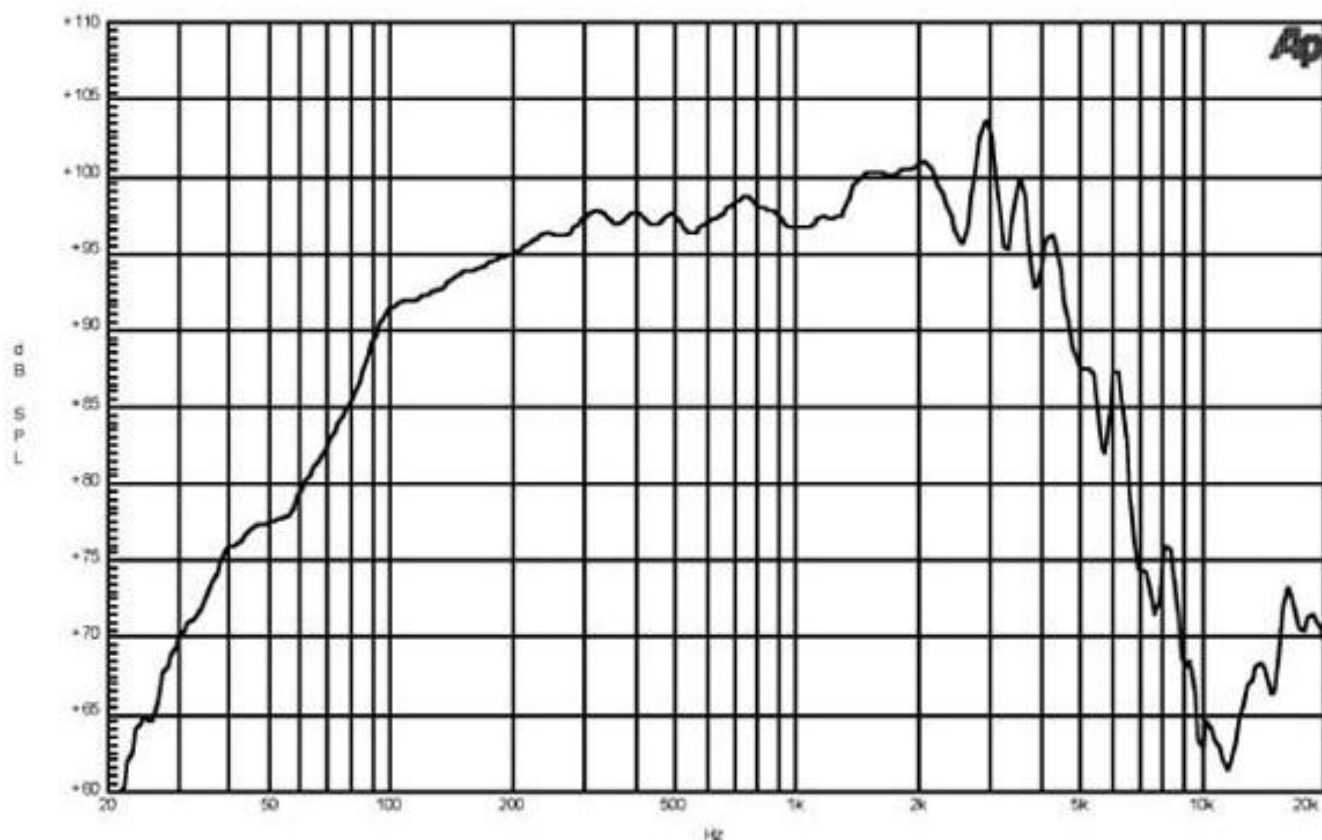
|                       |                                                |
|-----------------------|------------------------------------------------|
| Surround Shape        | <b>Double Roll</b>                             |
| Cone Shape            | <b>Exponential</b>                             |
| Magnet Material       | <b>Neodymium Inside Slug</b>                   |
| Spider                | <b>Single</b>                                  |
| Pole Design           | <b>Straight Pole</b>                           |
| Woofer 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<br/>(11.61x12.36x6.89 in)</b> |

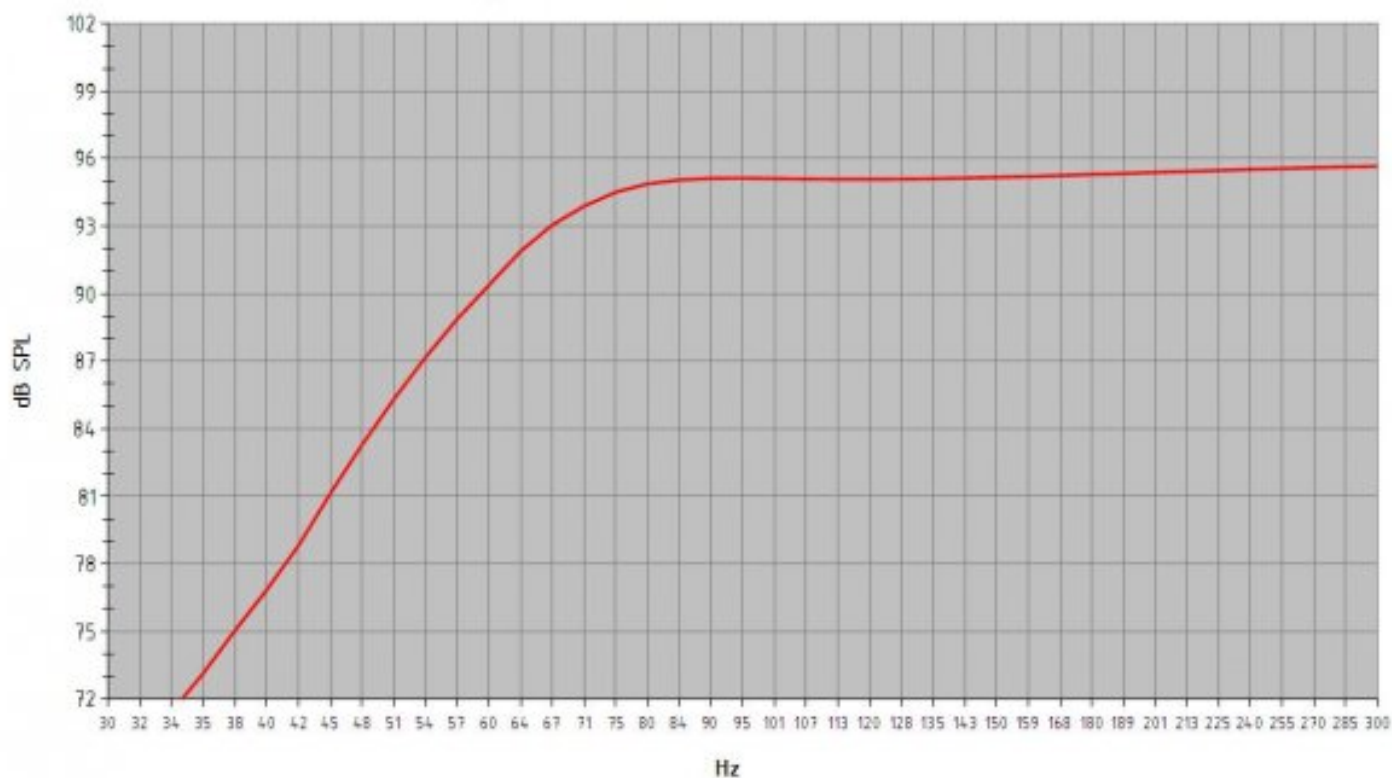
## SERVICE KITS

|                |                     |
|----------------|---------------------|
| LF recone-kits | <b>RCK010HPL648</b> |
|----------------|---------------------|





Frequency Response (2,83 Vrms/1 m)



Model: **10 HPL 64**  
Enclosure Type: **Bass Reflex**

|                               |             |                               |             |
|-------------------------------|-------------|-------------------------------|-------------|
| Internal Net Volume (Liters): | <b>26</b>   | Port Area (cm <sup>2</sup> ): | <b>69,4</b> |
| Tuning Frequency (Hz):        | <b>67</b>   | Port Length (cm):             | <b>9,6</b>  |
| Frequency (-3 dB) (Hz):       | <b>67,0</b> |                               |             |

|                                                |              |          |                    |                          |
|------------------------------------------------|--------------|----------|--------------------|--------------------------|
| Excursion Limited Maximum SPL at 1 meter (dB): | <b>115,9</b> | equal to | <b>127,4</b> Watts | (Bass Band Power Rating) |
| Thermal Limited Maximum SPL at 1 meter (dB):   | <b>117,9</b> | equal to | <b>200,0</b> Watts | (Mid Band Power Rating)  |

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