

**15NBX100** 4 Ω

Woofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1500 Hz response
- 95 dB sensitivity
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



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## SPECIFICATIONS

|                                                                                                                                                     |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Nominal Diameter                                                                                                                                    | <b>380 mm (15 in)</b>            |
| Nominal Impedance                                                                                                                                   | <b>4 Ω</b>                       |
| Minimum Impedance                                                                                                                                   | <b>4.4 Ω</b>                     |
| Nominal Power Handling                                                                                                                              | <b>1000 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>2000 W</b>                    |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                     |                                  |
| Sensitivity                                                                                                                                         | <b>95 dB</b>                     |
| Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance.                                                                                      |                                  |
| Frequency Range                                                                                                                                     | <b>35 Hz - 1500 Hz</b>           |
| Voice Coil Diameter                                                                                                                                 | <b>100 mm (4 in)</b>             |
| Winding Material                                                                                                                                    | <b>Copper</b>                    |
| Former Material                                                                                                                                     | <b>Glass Fibre</b>               |
| Winding Depth                                                                                                                                       | <b>25 mm (1 in)</b>              |
| Magnetic Gap Depth                                                                                                                                  | <b>11 mm (0.43 in)</b>           |
| Flux Density                                                                                                                                        | <b>1.1 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>37 Hz</b>                |
| Re               | <b>3.6 Ω</b>                |
| Qes              | <b>0.3</b>                  |
| Qms              | <b>4.77</b>                 |
| Qts              | <b>0.27</b>                 |
| Vas              | <b>109.6 dm³ (3.87 ft³)</b> |
| Sd               | <b>855 cm² (132.5 in²)</b>  |
| η <sub>0</sub>   | <b>1.82 %</b>               |
| X <sub>max</sub> | <b>10 mm</b>                |
| X <sub>var</sub> | <b>10 mm</b>                |
| M <sub>ms</sub>  | <b>176 g</b>                |
| Bl               | <b>22.69 Tm</b>             |
| Le               | <b>1.58 mH</b>              |
| EBP              | <b>123 Hz</b>               |

## DESIGN

|                       |                                  |
|-----------------------|----------------------------------|
| Surround Shape        | <b>Triple Roll</b>               |
| Cone Shape            | <b>Exponential</b>               |
| Magnet Material       | <b>Neodymium Inside Slug</b>     |
| Spider                | <b>Double Silicone</b>           |
| Pole Design           | <b>T-Pole</b>                    |
| Woofer Cone Treatment | <b>TWP Waterproof Both Sides</b> |
| Recommended Enclosure | <b>114 dm³ (4 ft³)</b>           |
| Recommended Tuning    | <b>35 Hz</b>                     |

## MOUNTING AND SHIPPING INFO

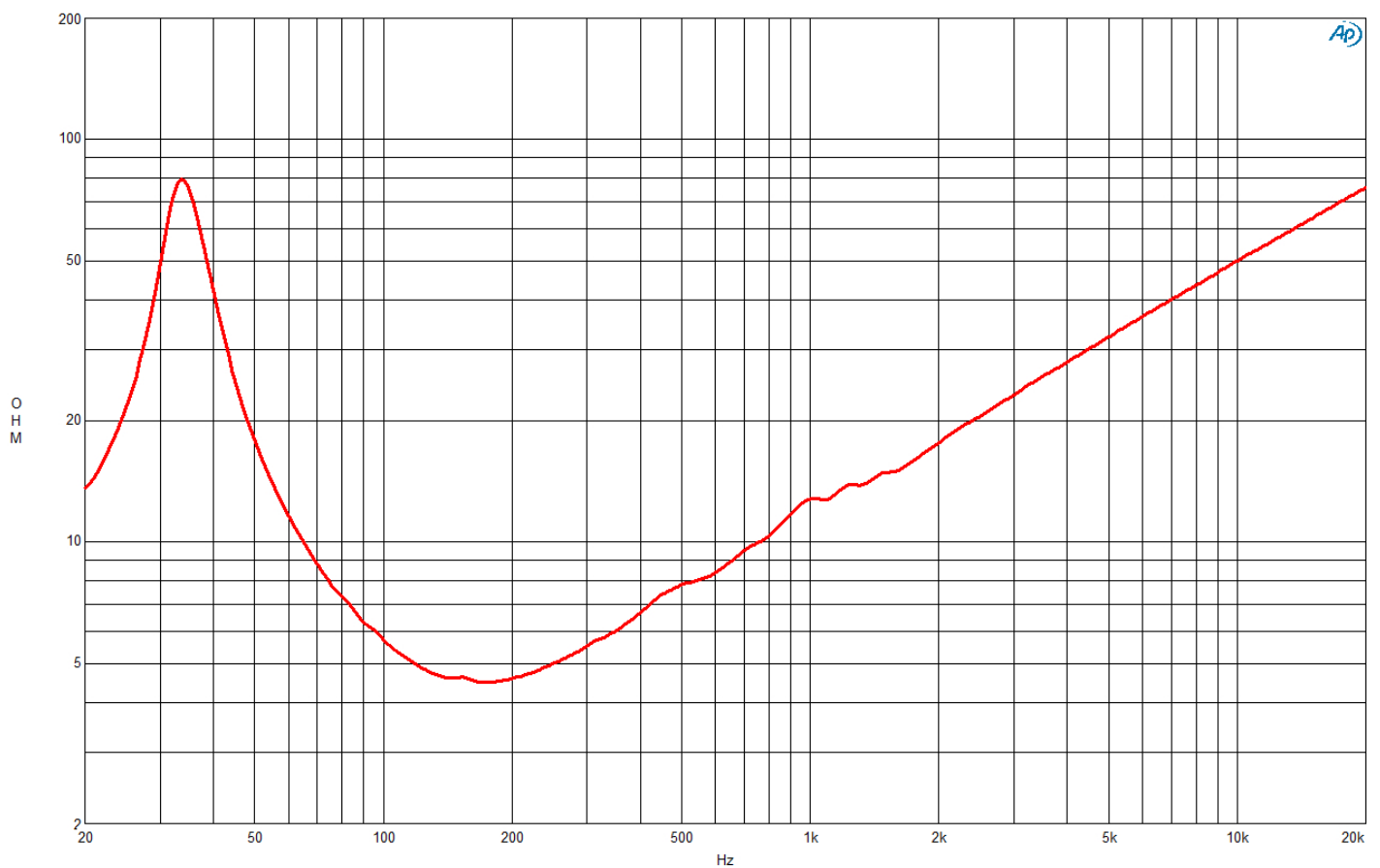
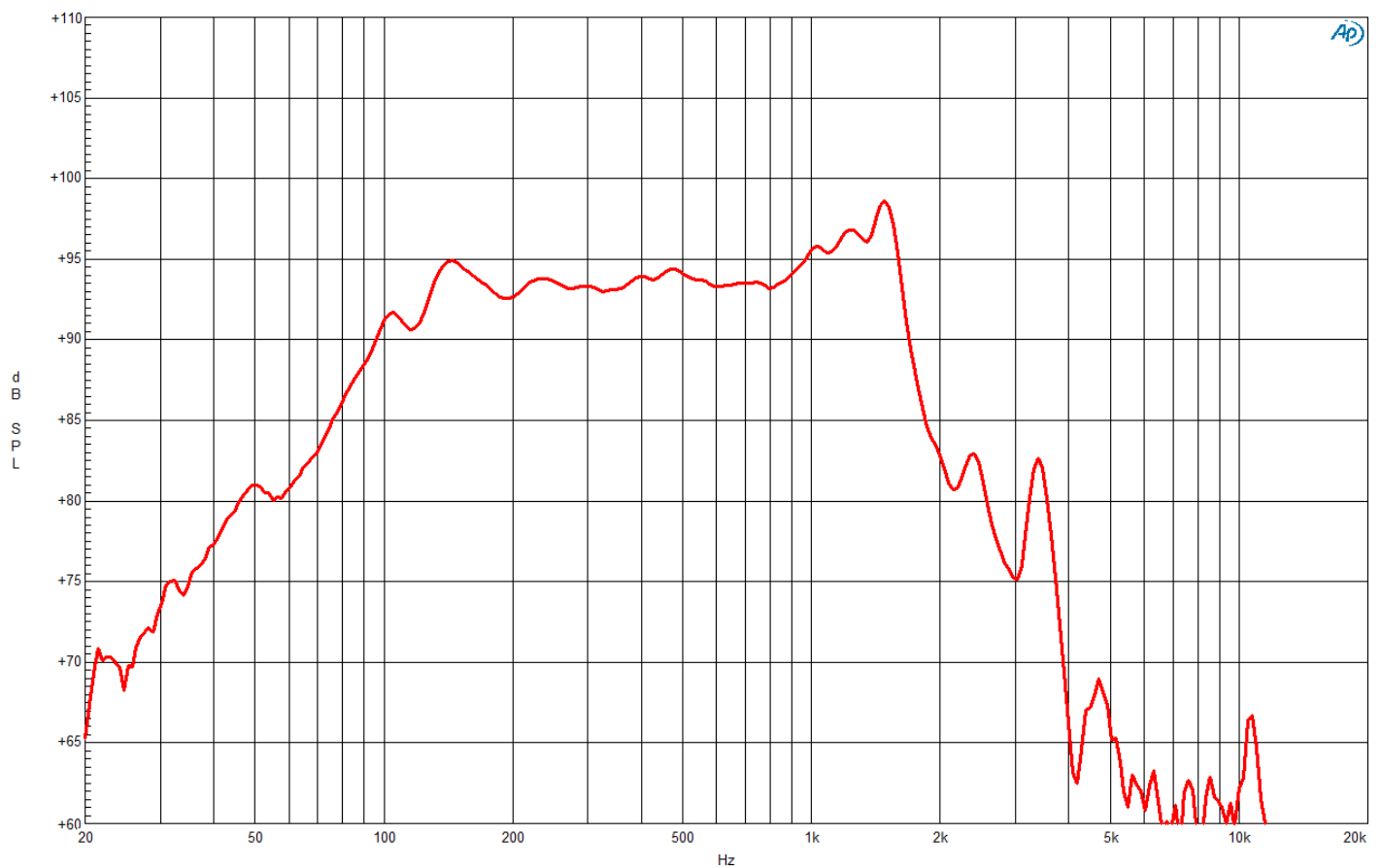
|                               |                                             |
|-------------------------------|---------------------------------------------|
| Overall Diameter              | <b>393 mm (15.5 in)</b>                     |
| Bolt Circle Diameter          | <b>374 mm (16.7 in)</b>                     |
| Baffle Cutout Diameter        | <b>353 mm (13.9 in)</b>                     |
| Depth                         | <b>179 mm (7.05 in)</b>                     |
| Flange and Gasket Thickness   | <b>14 mm (0.55 in)</b>                      |
| Air Volume Occupied by Driver | <b>6 dm³ (0.21 ft³)</b>                     |
| Net Weight                    | <b>8.55 kg (18.85 lb)</b>                   |
| Shipping Units                | <b>1 pcs</b>                                |
| Shipping Weight               | <b>9.85 kg (21.72 lb)</b>                   |
| Shipping Box                  | <b>425x425x224 mm (16.73x16.73x8.82 in)</b> |

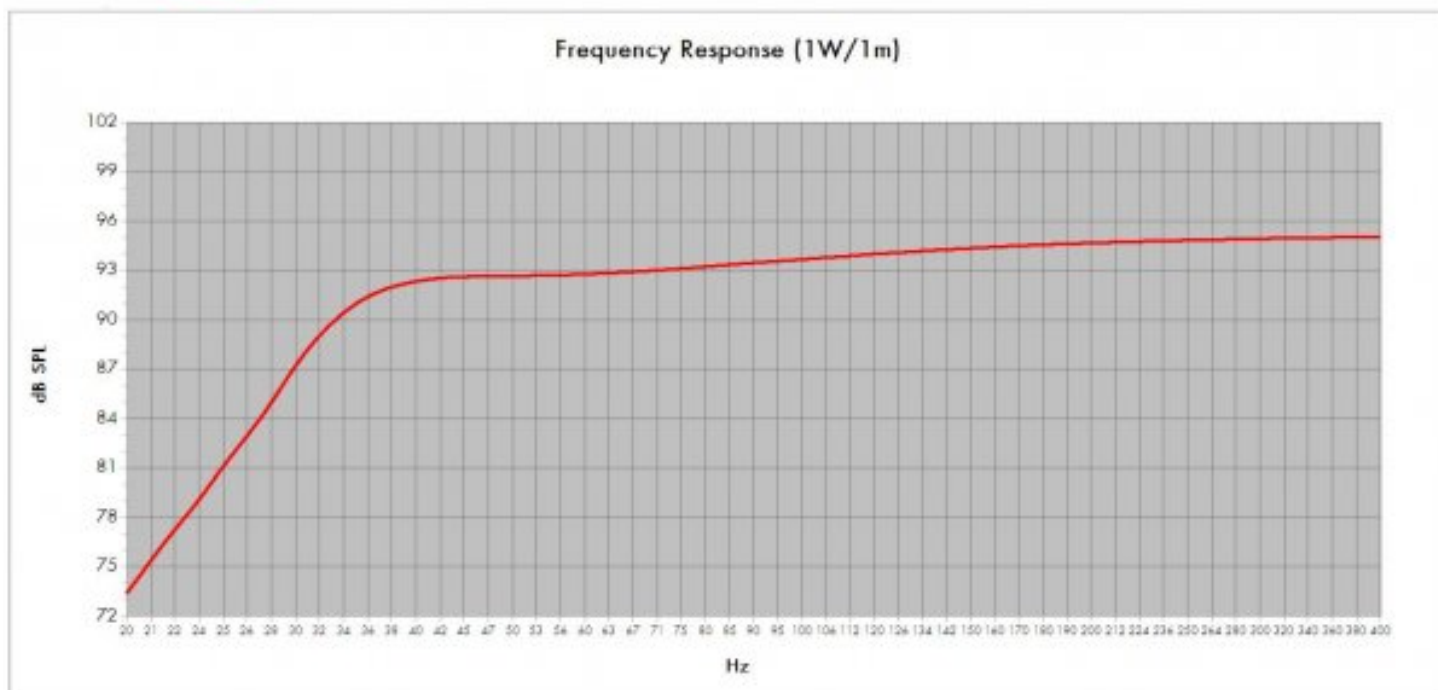
## SERVICE KITS

|                |                     |
|----------------|---------------------|
| LF recone-kits | <b>RCK15NBX1004</b> |
|----------------|---------------------|

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|                                                |                    |                   |                                             |
|------------------------------------------------|--------------------|-------------------|---------------------------------------------|
| Model:                                         | <b>15NBX100</b>    |                   |                                             |
| Enclosure Type:                                | <b>Bass Reflex</b> | Configuration:    | <b>One Driver</b>                           |
| Internal Net Volume [Litres]:                  | <b>114</b>         | Q8:               | <b>7</b>                                    |
| Tuning Frequency (Hz):                         | <b>35</b>          | Port Area [cm²]:  | <b>222,3</b>                                |
| Frequency [-3 dB] (Hz):                        | <b>39,1</b>        | Port Length [cm]: | <b>33,2</b>                                 |
| Excursion Limited Maximum SPL at 1 meter (dB): | <b>120,4</b>       | equal to:         | <b>416,2</b> Watts (Bass Band Power Rating) |
| Thermal Limited Maximum SPL at 1 meter (dB):   | <b>125,1</b>       | equal to:         | <b>1000,0</b> Watts (Mid Band Power Rating) |

