

**15NA100** 8 Ω

Woofer

- 1600 W continuous program power capacity
- 100 mm (4 in) aluminium voice coil
- 45 - 2000 Hz response
- 98 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminum demodulating rings allows a very low distortion figure



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**SPECIFICATIONS**

Nominal Diameter	<b>380 mm (15 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.6 Ω</b>
Nominal Power Handling	<b>800 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>1600 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>98 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>45 Hz - 2000 Hz</b>
Voice Coil Diameter	<b>100 mm (4 in)</b>
Winding Material	<b>Aluminium</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>23 mm (0.9 in)</b>
Magnetic Gap Depth	<b>11 mm (0.43 in)</b>
Flux Density	<b>1.2 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>47 Hz</b>
Re	<b>5.1 Ω</b>
Qes	<b>0.29</b>
Qms	<b>6.1</b>
Qts	<b>0.28</b>
Vas	<b>88 dm<sup>3</sup> (3.1 ft<sup>3</sup>)</b>
Sd	<b>855 cm<sup>2</sup> (132.5 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>2.9 %</b>
X <sub>max</sub>	<b>10 mm</b>
X <sub>var</sub>	<b>9 mm</b>
M <sub>ms</sub>	<b>136 g</b>
Bl	<b>26.3 Tm</b>
Le	<b>1.2 mH</b>
EBP	<b>162 Hz</b>

**DESIGN**

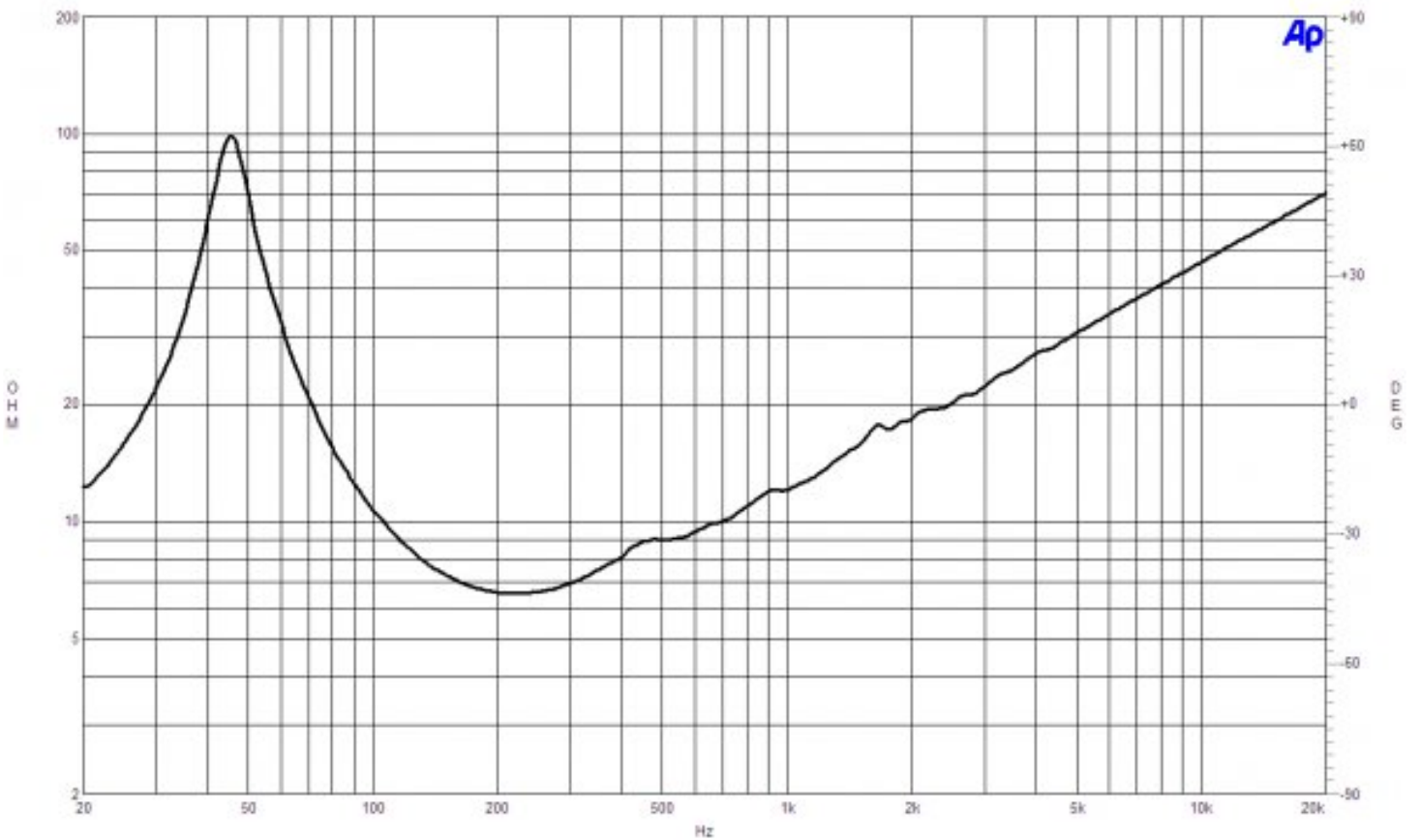
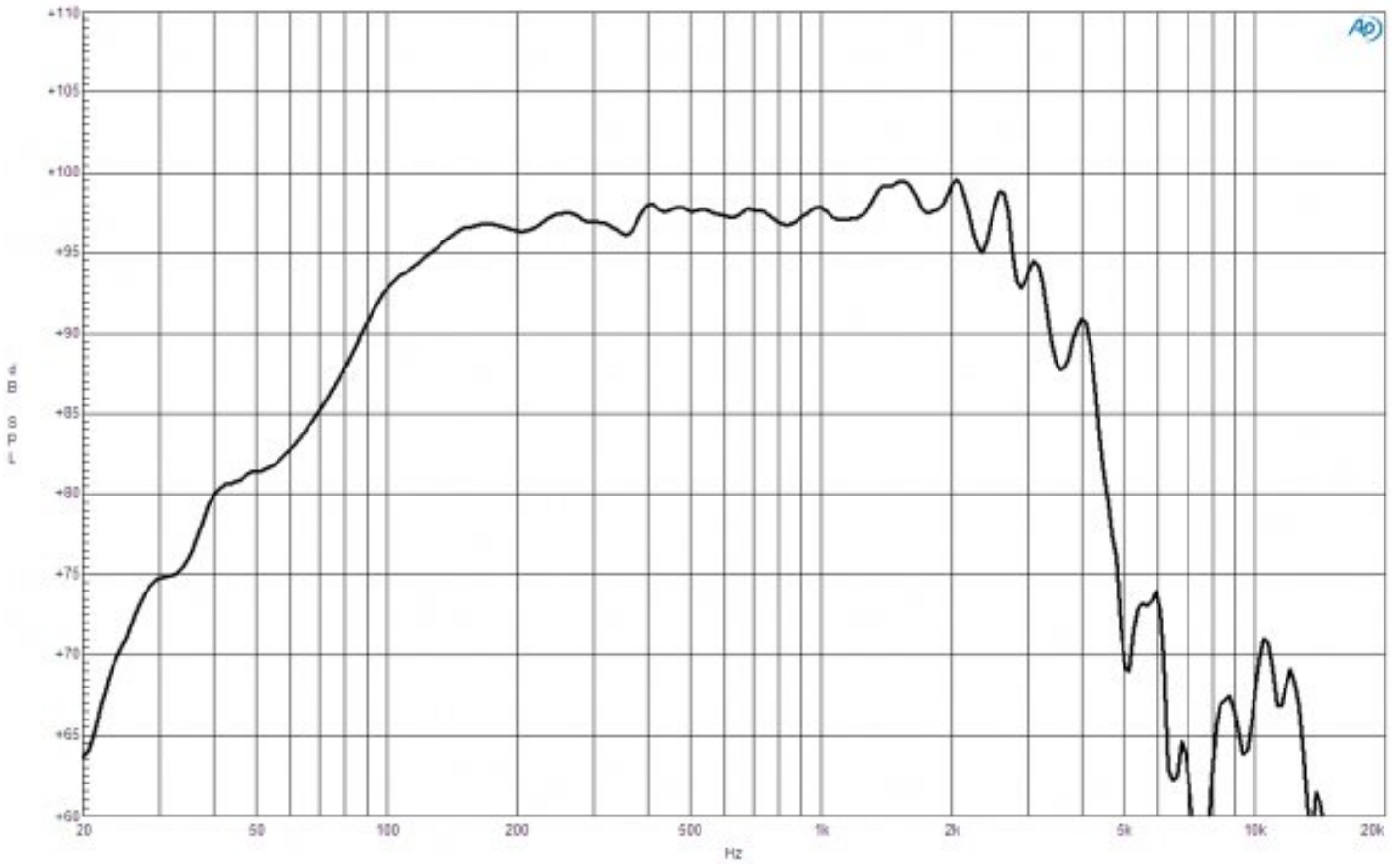
Surround Shape	<b>Triple Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Double Silicone</b>
Pole Design	<b>T-Pole</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>
Recommended Enclosure	<b>80 dm<sup>3</sup> (2.82 ft<sup>3</sup>)</b>
Recommended Tuning	<b>50 Hz</b>

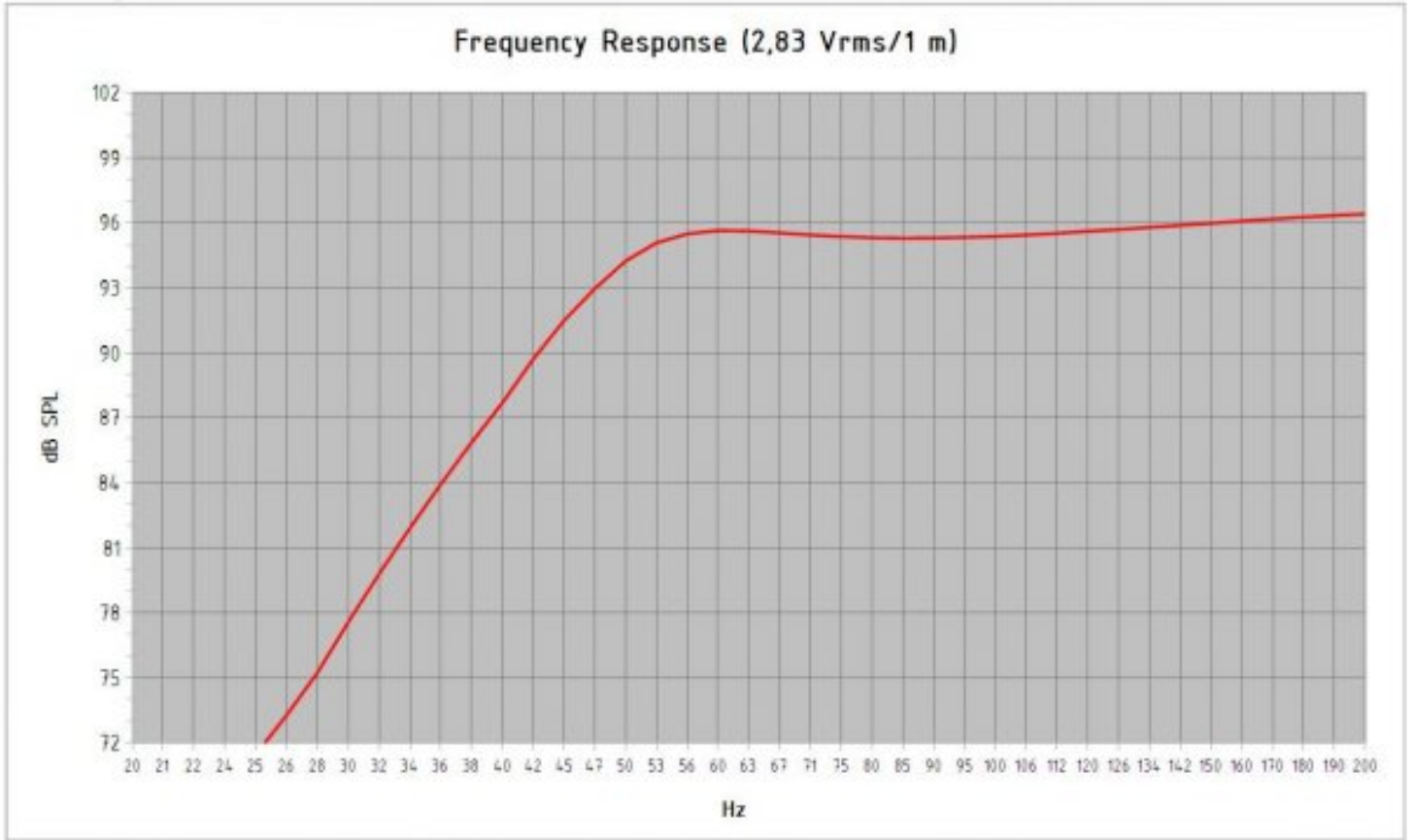
**MOUNTING AND SHIPPING INFO**

Overall Diameter	<b>393 mm (15.5 in)</b>
Bolt Circle Diameter	<b>374 mm (14.7 in)</b>
Baffle Cutout Diameter	<b>354 mm (13.9 in)</b>
Depth	<b>180 mm (7.09 in)</b>
Flange and Gasket Thickness	<b>16 mm (0.62 in)</b>
Air Volume Occupied by Driver	<b>6 dm<sup>3</sup> (0.21 ft<sup>3</sup>)</b>
Net Weight	<b>8.6 kg (18.96 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>9.9 kg (21.83 lb)</b>
Shipping Box	<b>425x425x224 mm (16.73x16.73x8.82 in)</b>

**SERVICE KITS**

LF recone-kits	<b>RCK15NA1008</b>
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<i>Model:</i>	<b>15 NA 100</b>		
<i>Enclosure Type:</i>	<b>Bass Reflex</b>		
<i>Internal Net Volume (Liters):</i>	<b>80</b>	<i>Port Area (cm²):</i>	<b>222,3</b>
<i>Tuning Frequency (Hz):</i>	<b>50</b>	<i>Port Length (cm):</i>	<b>18,7</b>
<i>Frequency (-3 dB) (Hz):</i>	<b>50,1</b>		
<i>Excursion Limited Maximum SPL at 1 meter (dB):</i>	<b>123,9</b>	equal to	<b>553,8</b> Watts ( <i>Bass Band Power Rating</i> )
<i>Thermal Limited Maximum SPL at 1 meter (dB):</i>	<b>125,4</b>	equal to	<b>800,0</b> Watts ( <i>Mid Band Power Rating</i> )

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