

**12NW100** 8 Ω

Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 45 - 1500 Hz response
- 96 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



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## Subwoofer

**SPECIFICATIONS**

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.2 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>96 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>45 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>12 mm (0.5 in)</b>
Flux Density	<b>1.2 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>42 Hz</b>
Re	<b>5.1 Ω</b>
Qes	<b>0.21</b>
Qms	<b>3.6</b>
Qts	<b>0.2</b>
Vas	<b>44 dm<sup>3</sup> (1.5 ft<sup>3</sup>)</b>
Sd	<b>531 cm<sup>2</sup> (82.3 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>1.7 %</b>
X <sub>max</sub>	<b>9 mm</b>
X <sub>var</sub>	<b>10 mm</b>
M <sub>ms</sub>	<b>119 g</b>
Bl	<b>28 Tm</b>
Le	<b>1.9 mH</b>
EBP	<b>200 Hz</b>

**DESIGN**

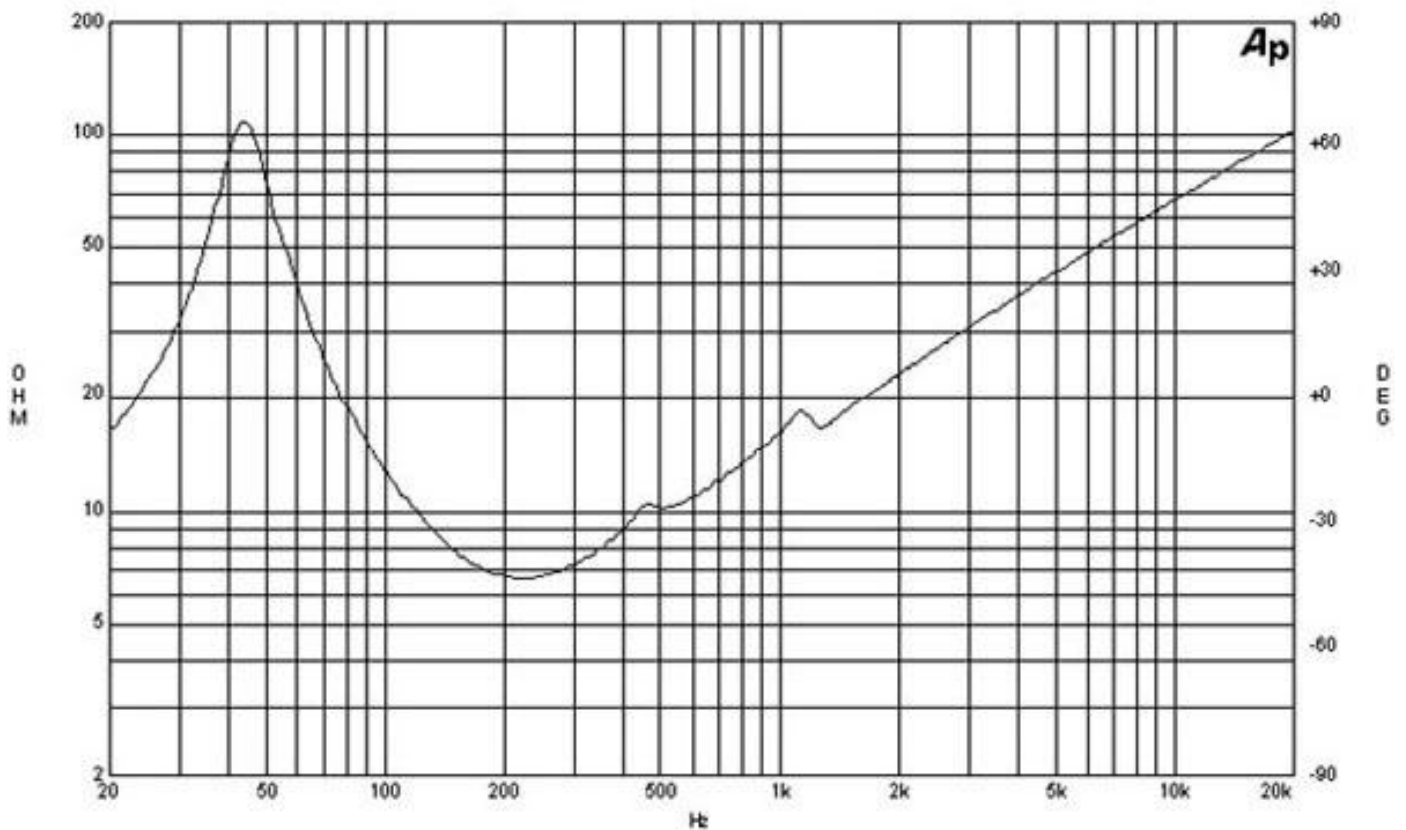
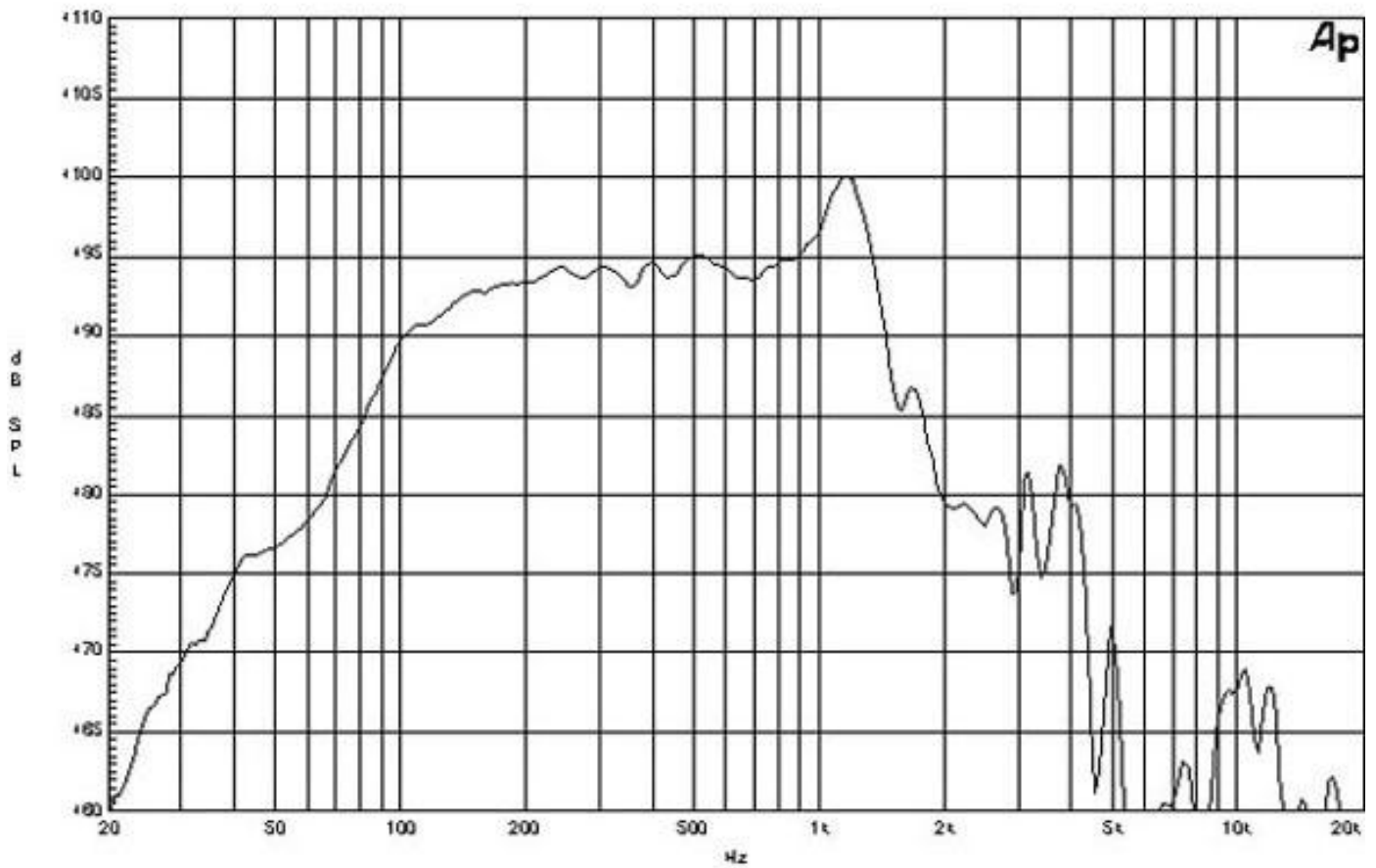
Surround Shape	<b>Triple Roll</b>
Cone Shape	<b>Radial</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Double Silicone</b>
Pole Design	<b>T-Pole</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>
Recommended Enclosure	<b>50 dm<sup>3</sup> (1.77 ft<sup>3</sup>)</b>
Recommended Tuning	<b>50 Hz</b>

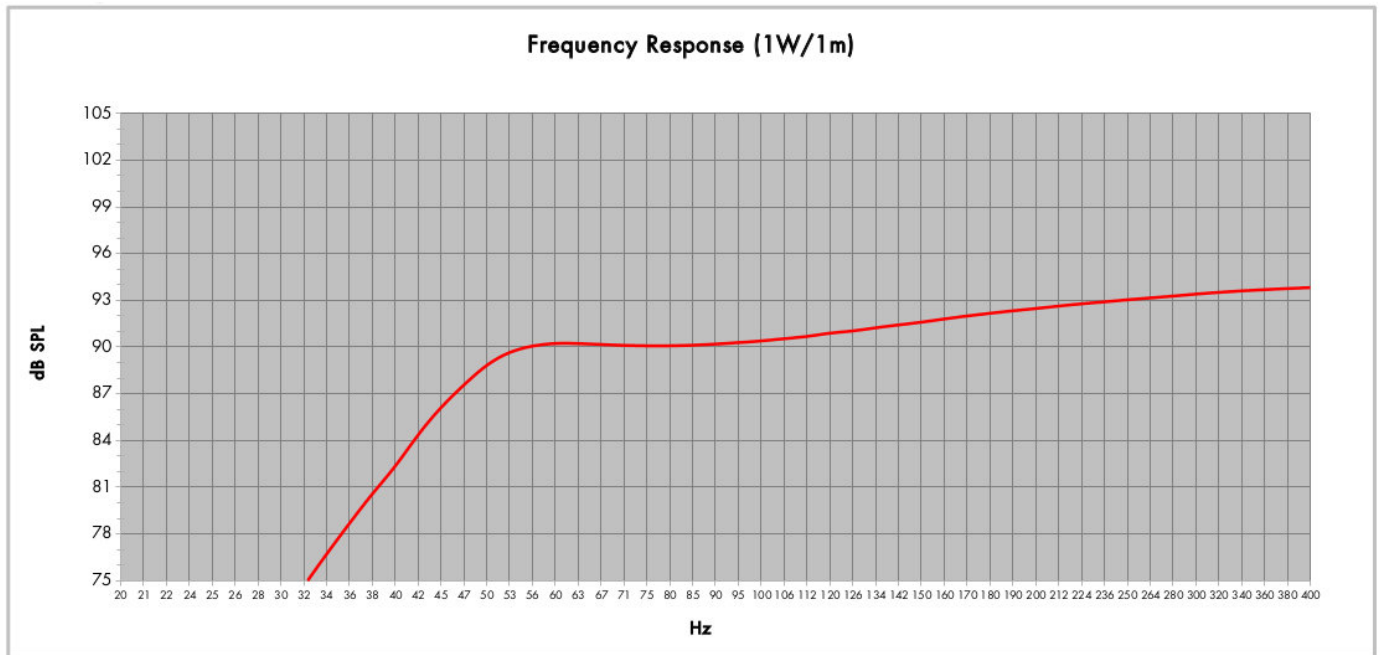
**MOUNTING AND SHIPPING INFO**

Overall Diameter	<b>319 mm (12.5 in)</b>
Bolt Circle Diameter	<b>299 mm (11.8 in)</b>
Baffle Cutout Diameter	<b>281 mm (11.1 in)</b>
Depth	<b>137 mm (5.4 in)</b>
Flange and Gasket Thickness	<b>13 mm (0.5 in)</b>
Air Volume Occupied by Driver	<b>2.7 dm<sup>3</sup> (0.09 ft<sup>3</sup>)</b>
Net Weight	<b>8.2 kg (18 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>9.1 kg (20.06 lb)</b>
Shipping Box	<b>360x360x200 mm (14.17x14.17x7.87 in)</b>

**SERVICE KITS**

LF recone-kits	<b>RCK12NW1008</b>
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Model:	<b>12NW100</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>		
Internal Net Volume (Litres):	<b>50</b>	QB:	<b>3</b>
Tuning Frequency (Hz):	<b>50</b>	Port Area (cm <sup>2</sup> ):	<b>208,1</b>
Frequency (-3 dB) (Hz):	<b>143,8</b>	Port Length (cm):	<b>35,9</b>

