

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 45 - 1500 Hz response
- 93 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



## 12TBX100 4 Ω

Subwoofer

### SPECIFICATIONS

Nominal Diameter	<b>320 mm (12 in)</b>
Nominal Impedance	<b>4 Ω</b>
Minimum Impedance	<b>4.6 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>93 dB</b>
Applied RMS Voltage is set to 2V for 4 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>1.1 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>44 Hz</b>
Re	<b>3.6 Ω</b>
Qes	<b>0.24</b>
Qms	<b>6.23</b>
Qts	<b>0.23</b>
Vas	<b>41.1 dm<sup>3</sup> (1.45 ft<sup>3</sup>)</b>
Sd	<b>531 cm<sup>2</sup> (82.3 in<sup>2</sup>)</b>
η0	<b>1.42 %</b>
Xmax	<b>9 mm</b>
Xvar	<b>11 mm</b>
Mms	<b>125 g</b>
Bl	<b>22.91 Tm</b>
Le	<b>1.74 mH</b>
EBP	<b>183 Hz</b>

### DESIGN

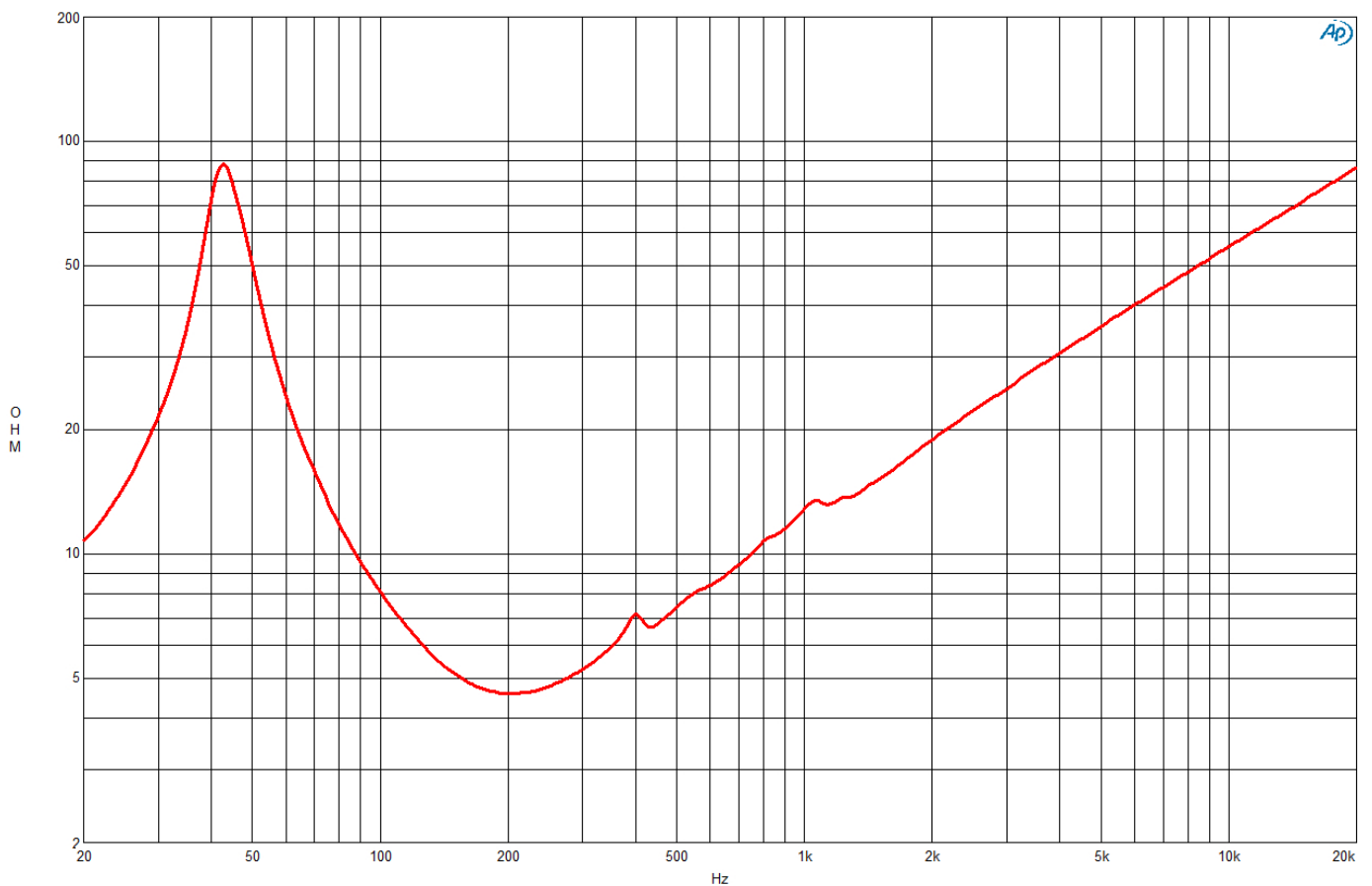
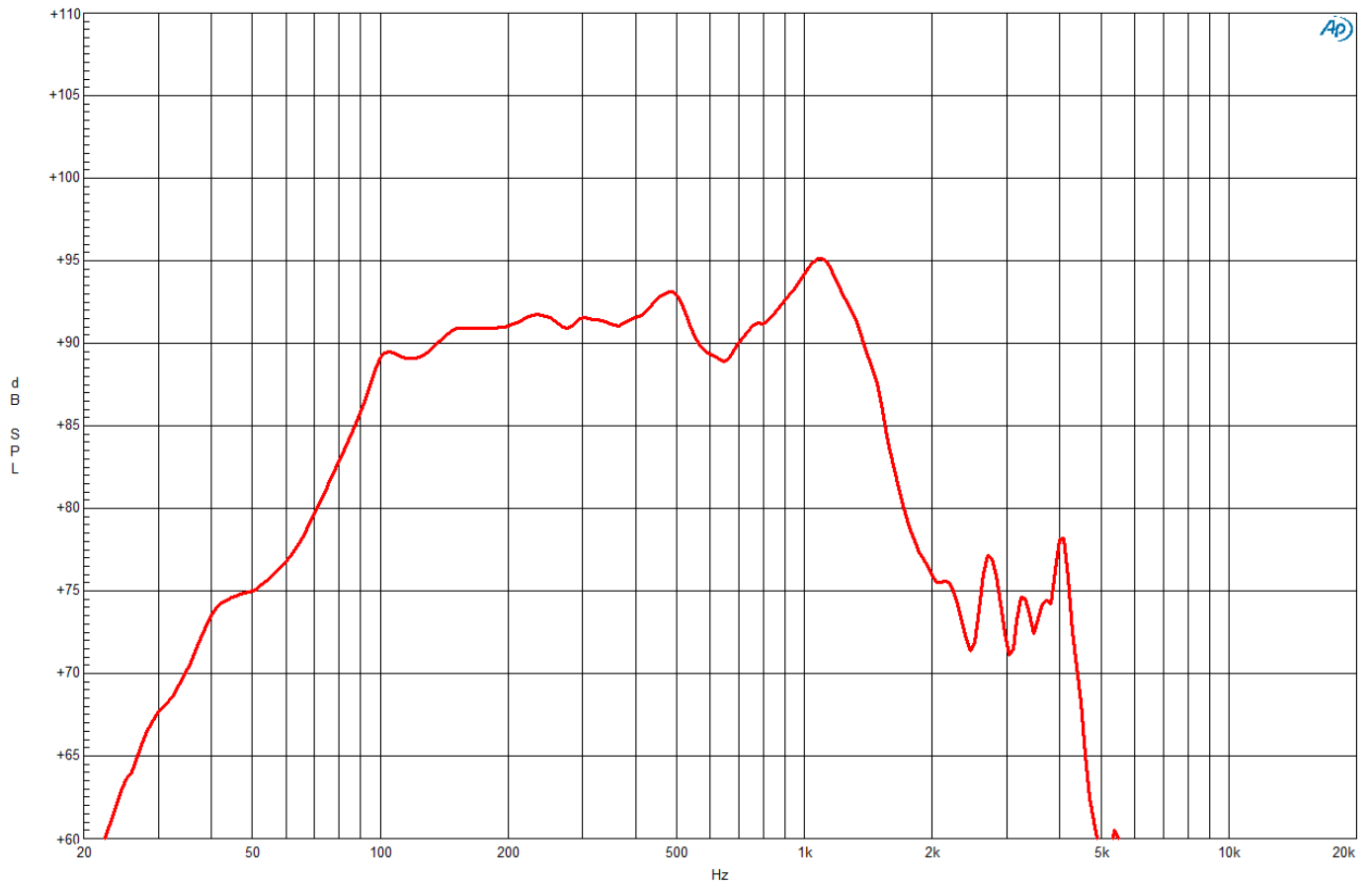
Surround Shape	<b>Triple Roll</b>
Cone Shape	<b>Radial</b>
Magnet Material	<b>Ferrite</b>
Spider	<b>Double Silicone</b>
Pole Design	<b>T-Pole</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>
Recommended Enclosure	<b>40 dm<sup>3</sup> (1.41 ft<sup>3</sup>)</b>
Recommended Tuning	<b>43 Hz</b>

### 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>135 mm (5.3 in)</b>
Flange and Gasket Thickness	<b>13 mm (0.5 in)</b>
Air Volume Occupied by Driver	<b>4.2 dm<sup>3</sup> (0.15 ft<sup>3</sup>)</b>
Net Weight	<b>11.8 kg (26 lb)</b>
Shipping Weight	<b>12.7 kg (28 lb)</b>
Shipping Box	<b>360x360x200 mm (14.17x14.17x7.87 in)</b>

### SERVICE KITS

LF recone-kits	<b>RCK12TBX1004</b>
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# LF Drivers

Ø 12 inches

**12TBX100** 4 Ω

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