

**15TBX100** 8 Ω

Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1500 Hz response
- 96 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



**15TBX100** 8 Ω

## Subwoofer

**SPECIFICATIONS**

Nominal Diameter	<b>380 mm (15 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>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>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>35 Hz</b>
Re	<b>5.1 Ω</b>
Qes	<b>0.3</b>
Qms	<b>5.2</b>
Qts	<b>0.28</b>
Vas	<b>113 dm<sup>3</sup> (3.8 ft<sup>3</sup>)</b>
Sd	<b>855 cm<sup>2</sup> (132.5 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>1.95 %</b>
X <sub>max</sub>	<b>9 mm</b>
X <sub>var</sub>	<b>11 mm</b>
M <sub>ms</sub>	<b>163 g</b>
Bl	<b>25.5 Tm</b>
Le	<b>1.6 mH</b>
EBP	<b>117 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>114 dm<sup>3</sup> (4.03 ft<sup>3</sup>)</b>
Recommended Tuning	<b>35 Hz</b>

**MOUNTING AND SHIPPING INFO**

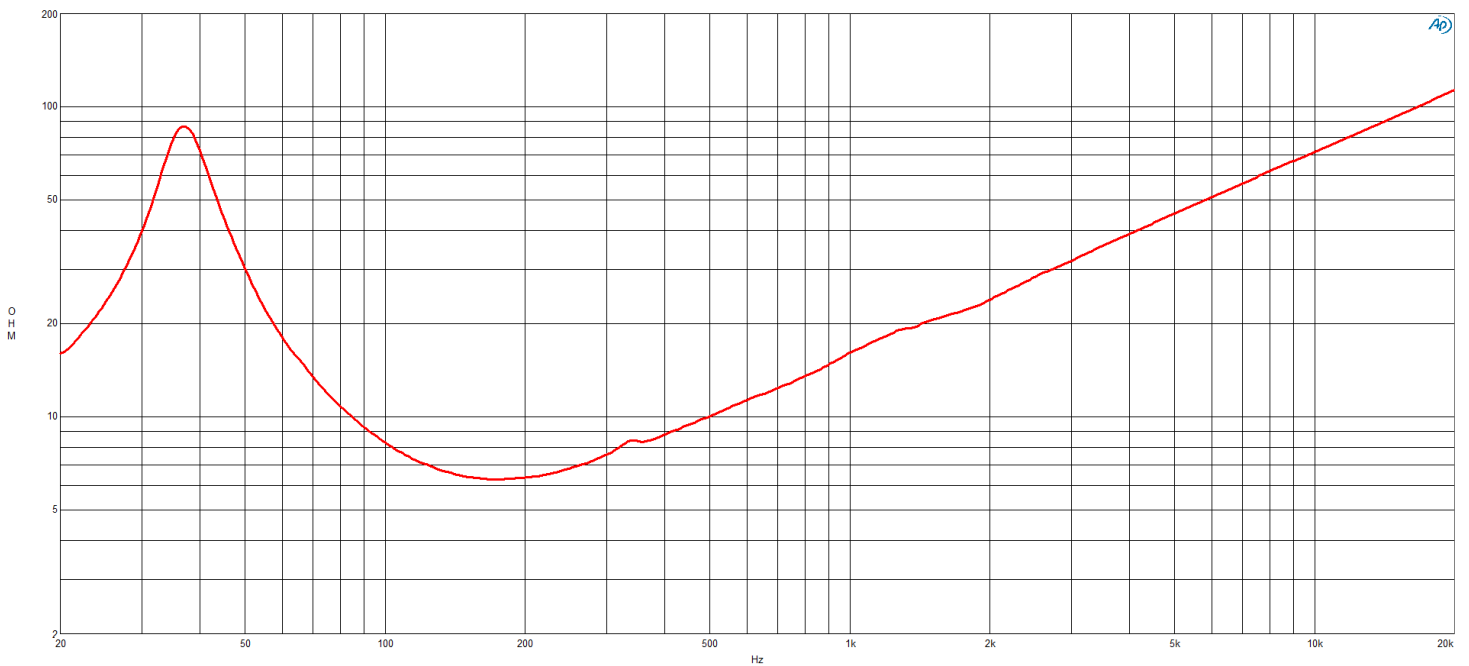
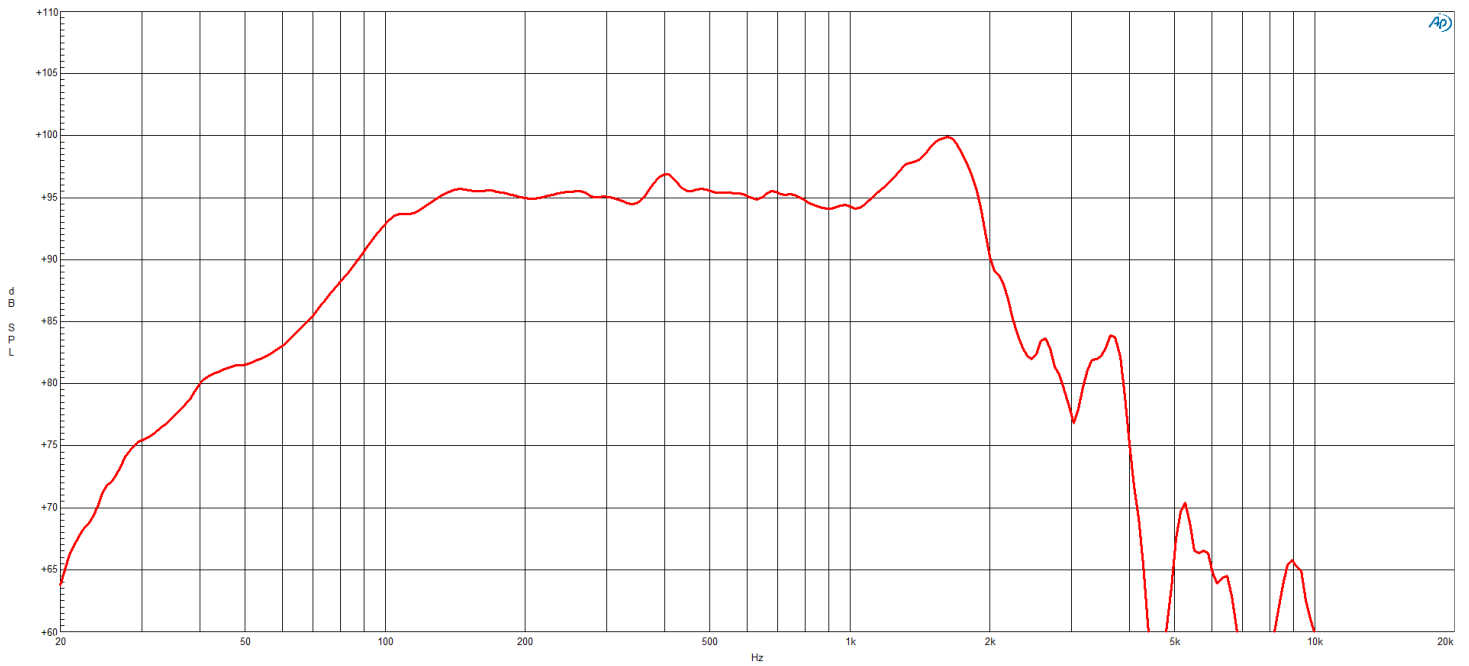
Overall Diameter	<b>393 mm (15.5 in)</b>
Bolt Circle Diameter	<b>374 mm (14.7 in)</b>
Baffle Cutout Diameter	<b>354 mm (13.9 in)</b>
Depth	<b>181 mm (7.1 in)</b>
Flange and Gasket Thickness	<b>16 mm (0.62 in)</b>
Air Volume Occupied by Driver	<b>5.4 dm<sup>3</sup> (0.19 ft<sup>3</sup>)</b>
Net Weight	<b>12.4 kg (27.34 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>13.7 kg (30.2 lb)</b>
Shipping Box	<b>425x425x224 mm (16.73x16.73x8.82 in)</b>

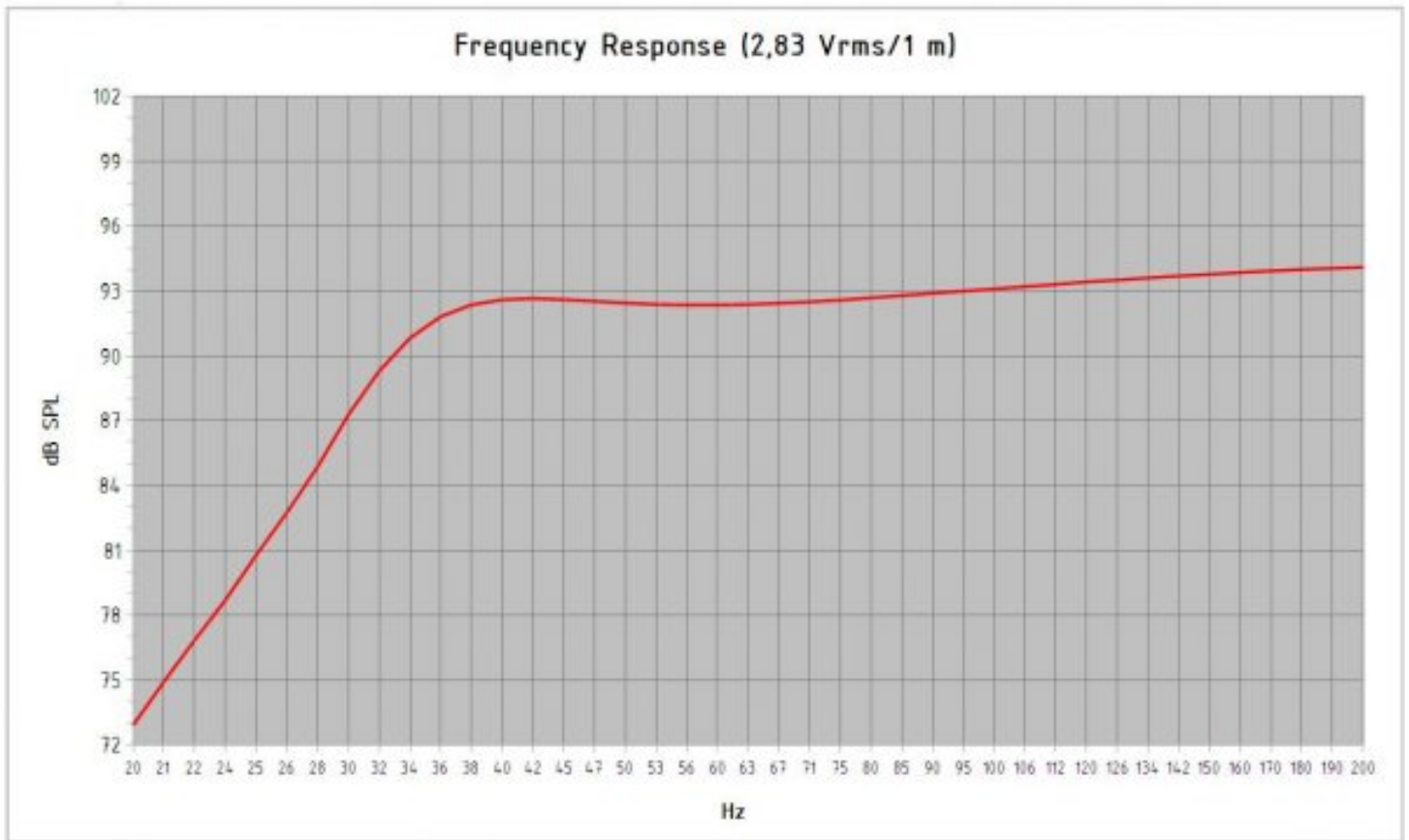
**SERVICE KITS**

LF recone-kits	<b>RCK15TBX1008</b>
----------------	---------------------

**15TBX100** 8 Ω

**Subwoofer**





Model: **15 TBX 100**  
 Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **114**  
 Tuning Frequency (Hz): **35**  
 Frequency (-3 dB) (Hz): **35,6**  
 Port Area (cm<sup>2</sup>): **222,3**  
 Port Length (cm): **33,2**

Excursion Limited Maximum SPL at 1 meter (dB): **118,8** equal to **334,5** Watts (Bass Band Power Rating)  
 Thermal Limited Maximum SPL at 1 meter (dB): **123,5** equal to **1000,0** Watts (Mid Band Power Rating)

