

## LF Drivers

Ø 18 inches

**18TBX100** 8 Ω

Subwoofer

- 2400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 97 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>460 mm (18 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.2 Ω</b>
Nominal Power Handling	<b>1200 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>2400 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>97 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>35 Hz - 1000 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>34 Hz</b>
Re	<b>5.1 Ω</b>
Qes	<b>0.37</b>
Qms	<b>7.2</b>
Qts	<b>0.35</b>
Vas	<b>212 dm<sup>3</sup> (7.5 ft<sup>3</sup>)</b>
Sd	<b>1210 cm<sup>2</sup> (187.6 in<sup>2</sup>)</b>
η0	<b>2.2 %</b>
Xmax	<b>9 mm</b>
Xvar	<b>11 mm</b>
Mms	<b>209 g</b>
Bl	<b>25.5 Tm</b>
Le	<b>1.6 mH</b>
EBP	<b>92 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>200 dm<sup>3</sup> (7.06 ft<sup>3</sup>)</b>
Recommended Tuning	<b>34 Hz</b>

### MOUNTING AND SHIPPING INFO

Overall Diameter	<b>460 mm (18 in)</b>
Bolt Circle Diameter	<b>440 mm (17.3 in)</b>
Baffle Cutout Diameter	<b>422 mm (16.6 in)</b>
Depth	<b>209 mm (8.2 in)</b>
Flange and Gasket Thickness	<b>16 mm (0.63 in)</b>
Air Volume Occupied by Driver	<b>10.5 dm<sup>3</sup> (0.37 ft<sup>3</sup>)</b>
Net Weight	<b>12.7 kg (28 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>14.3 kg (31.53 lb)</b>
Shipping Box	<b>500x495x275 mm (19.69x19.49x10.83 in)</b>

### SERVICE KITS

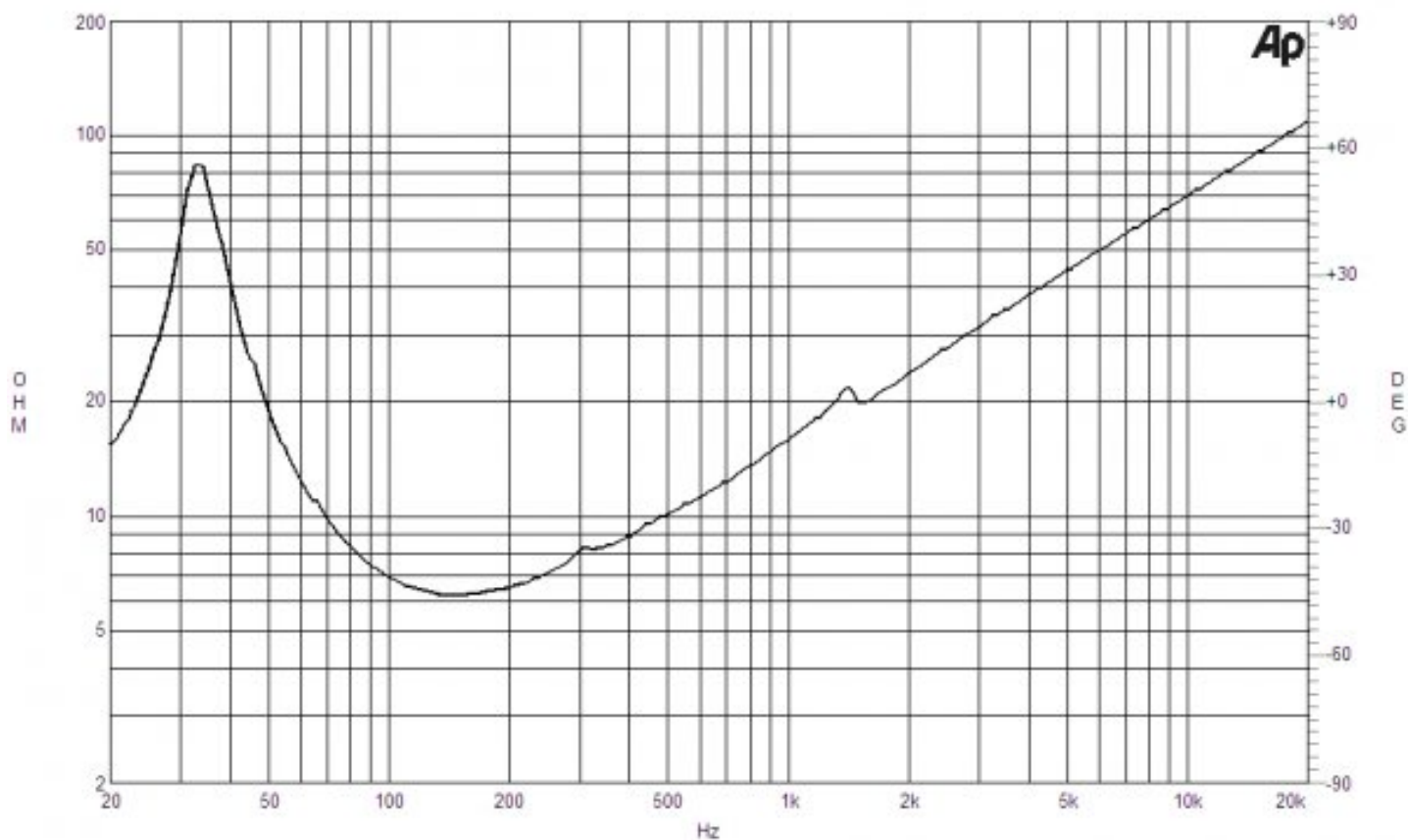
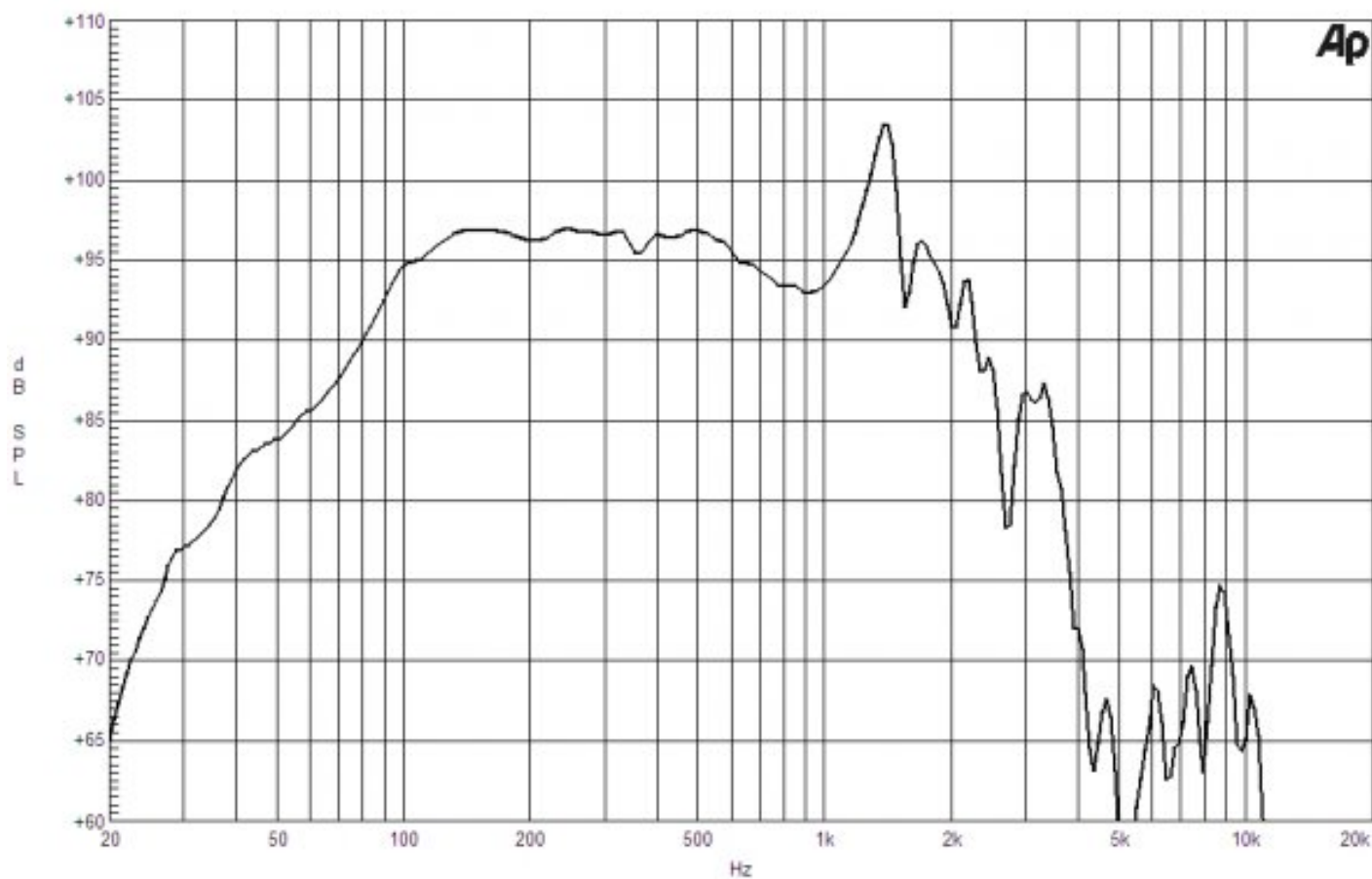
LF recone-kits	<b>RCK18TBX1008</b>
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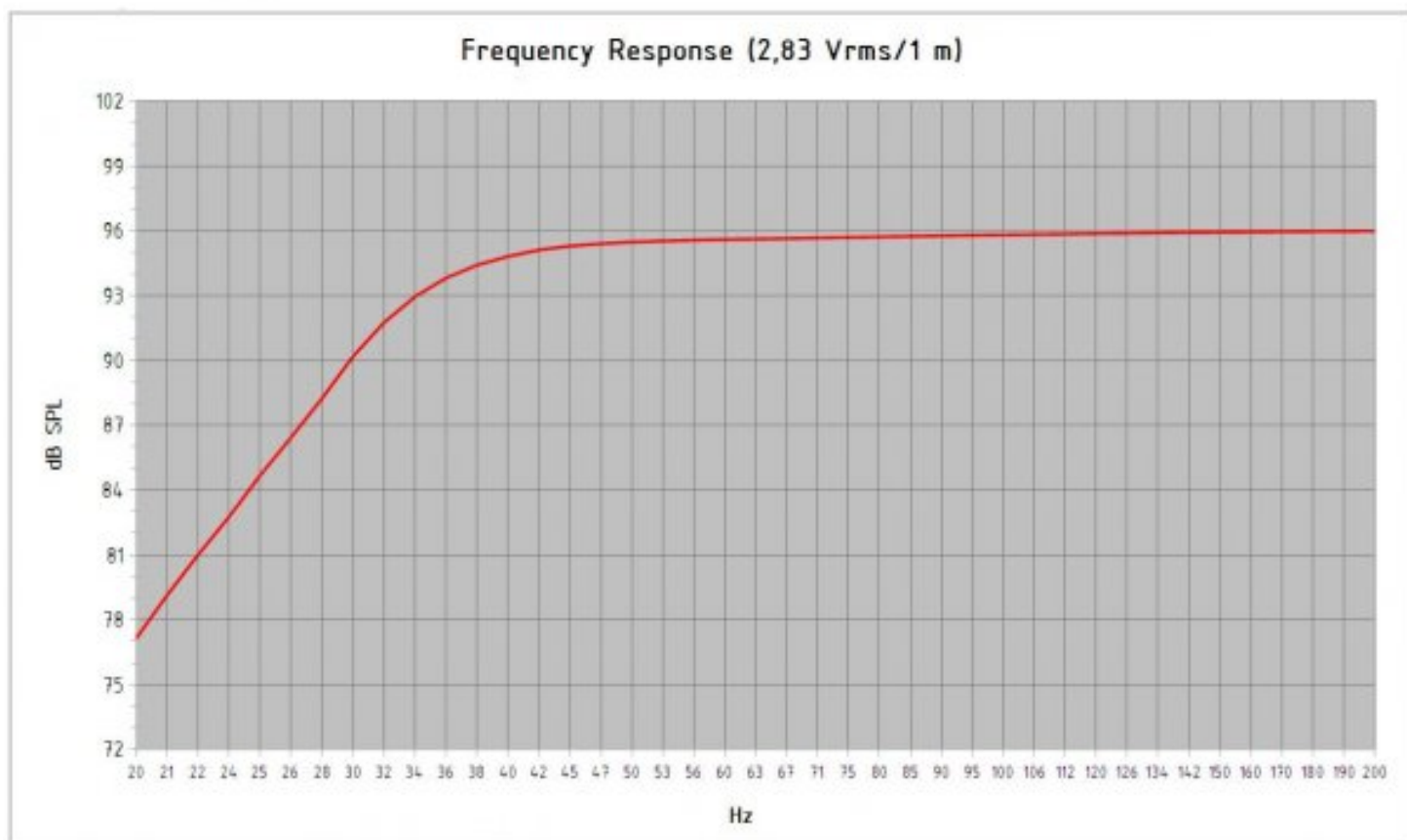
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Model: **18 TBX 100**  
 Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters):	<b>200</b>	Port Area (cm <sup>2</sup> ):	<b>339,6</b>
Tuning Frequency (Hz):	<b>34</b>	Port Length (cm):	<b>26,0</b>
Frequency (-3 dB) (Hz):	<b>34,3</b>		

Excursion Limited Maximum SPL at 1 meter (dB):	<b>120,3</b>	equal to	<b>340,4</b>	Watts	(Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	<b>125,8</b>	equal to	<b>1200,0</b>	Watts	(Mid Band Power Rating)

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