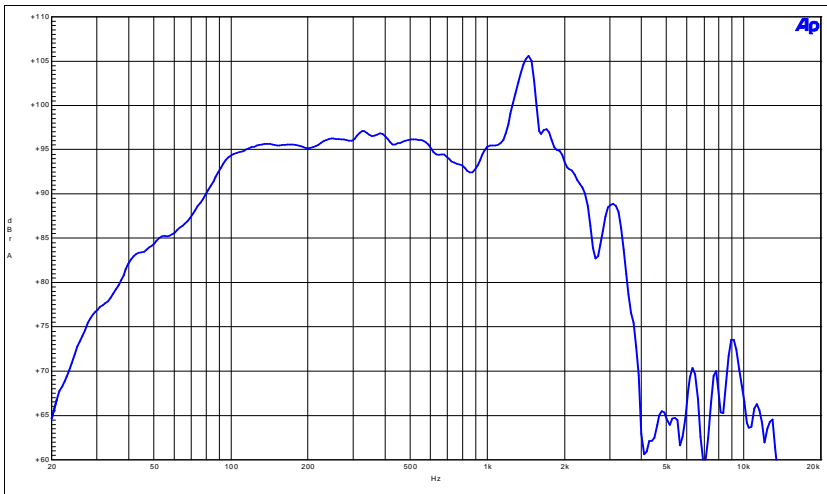




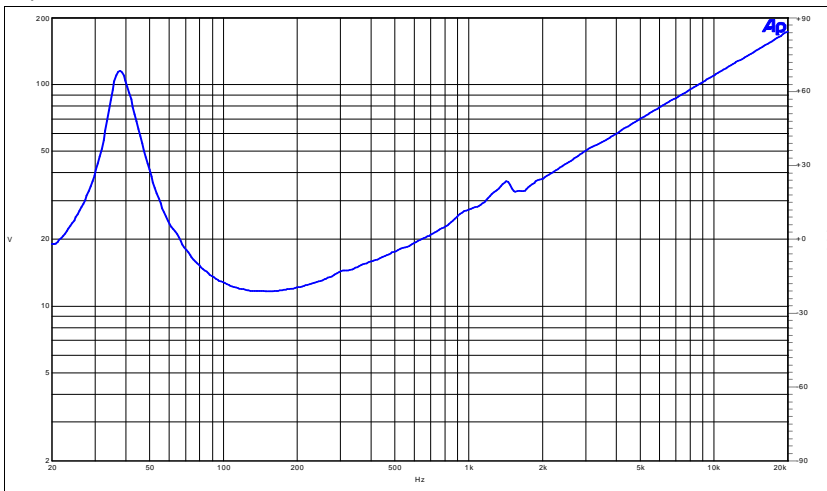
# 18TBX100-16

Rev: 0

Frequency Response



Impedance



## Specifications

Nominal Diameter	<b>18"</b>
Nominal Impedance	<b>16 Ω</b>
Minimum Impedance	<b>11.6 Ω</b>
Power Handling	
Nominal <sup>1</sup>	<b>1.000 W</b>
Continuous Program <sup>2</sup>	<b>2.000 W</b>
Sensitivity (1W/1m) <sup>3</sup>	<b>96 dB</b>
Frequency Range	<b>Fs to 1000 Hz</b>
Voice Coil Diameter	<b>100,00 mm</b>
Winding Material	<b>Copper</b>
Former Material	<b>Fiber Glass</b>
Winding Depth	<b>25,00 mm</b>
Magnetic Gap Depth	<b>11 mm</b>
Flux Density	<b>1.150 T</b>
Surround Material	<b>PolyCotton</b>
Surround Shape	<b>Triple Roll</b>
Spider Material	<b>PolyCotton</b>
Magnet Material	<b>Ceramic</b>
Cone Material	<b>Paper</b>
Water Proof Front Side (WP)	<input type="checkbox"/>
Water Proof Both Sides (TWP)	<input checked="" type="checkbox"/>
Epoxy Treatment	<input checked="" type="checkbox"/>
Demodulation Ring	<input checked="" type="checkbox"/>
Shorting Copper Ring	<input type="checkbox"/>
Double Spider	<input checked="" type="checkbox"/>
Vented Gap	<input checked="" type="checkbox"/>

21/03/2005

## Thiele & Small Parameters<sup>4</sup>

Fs	<b>39 Hz</b>
Re	<b>10,1 Ω</b>
Qes	<b>0,54</b>
Qms	<b>8,00</b>
Qts	<b>0,50</b>
Vas	<b>145,0 dm<sup>3</sup></b>
Sd	<b>1.210 cm<sup>2</sup></b>
η <sub>0</sub>	<b>1,60 %</b>
Xmax	<b>9,0 mm</b>
Xvar	<b>11,00 mm</b>
Mms	<b>222,0 g</b>
Bl	<b>32,50 Txm</b>
Le	<b>2,80 mH</b>
Cms	<b>70,0 μm/N</b>

## Mounting Information

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>188 mm ( 7.4 in )</b>
Flange / Gasket Thickness	<b>16 mm ( 5/8 in )</b>
Net Weight	<b>13 Kg ( 28.8 lb )</b>

(1) A.E.S. Standard

(2) Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

(3) Applied RMS Voltage is set to 4V for 16 ohms Nominal Impedance. Average SPL from 100 to 100 Hz

(4) Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.