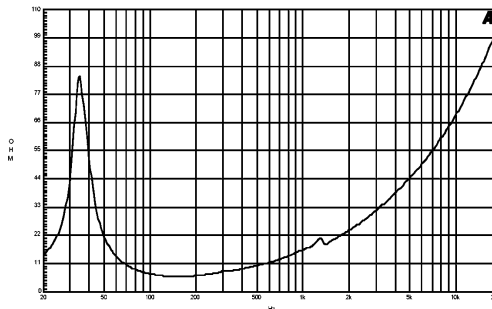
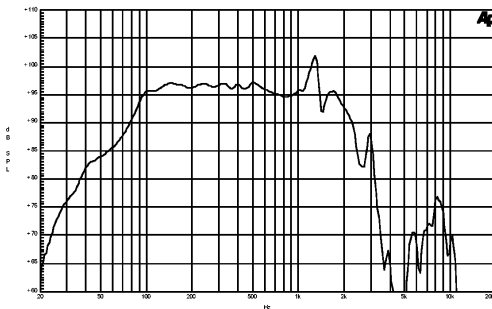




# 18 TBX 46 | Speakers

The most powerful 18" in our product range, 2000 W continuous program power handling, defines the "state of the art" about LF reproduction. A four inch copper wire voice coil with very high thermal capability and a ventilated magnet assembly allows a low power compression. A very low distortion figure is obtained using a double spider design and dual demodulation rings in the magnetic path. Proprietary water-proof cone treatment for safe use in adverse climatic conditions.



Horns  
HF Compression drivers  
Coaxials  
HPL  
Speakers

## Specifications

|                                  |                |
|----------------------------------|----------------|
| Nominal Diameter                 | 460 mm (18 in) |
| Nominal Impedance                | 8 Ω            |
| Minumum Impedance                | 6.1 Ω          |
| Power Handling<br>(40 -400 Hz)   |                |
| Nominal <sup>1</sup>             | 1000 W         |
| Continuous Program <sup>2</sup>  | 2000 W         |
| Sensitivity (1W/1m) <sup>3</sup> | 97 dB          |
| Frequency Range                  | 30-1500 Hz     |
| Voice Coil Diameter              | 100 mm (4 in)  |
| Winding Material                 | Copper         |
| Former Material                  | Glass Fibre    |
| Winding Depth                    | 25 mm (1 in)   |
| Magnetic Gap Depth               | 12 mm (.47 in) |
| Flux Density                     | 1.1 T          |

Also available in 4 Ω, data upon request

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

|                |   |
|----------------|---|
| Fs             | 34 Hz   |
| Re             | 5.2 Ω   |
| Qes            | 0.33  |
| Qms            | 5.3   |
| Qts            | 0.31  |
| Vas            | 227 dm <sup>3</sup> (8.0 ft <sup>3</sup> )    |
| Sd             | 1210 cm <sup>2</sup> (187.6 in <sup>2</sup> ) |
| η <sub>0</sub> | 2.5 %   |
| X max          | ± 9 mm  |
| X Var          | ± 11 mm                                       |
| Mms            | 201 g   |
| Bl             | 25.8 T·m                                      |
| Le             | 2.0 mH  |

## Mounting and Shipping Information

|                             |                                   |
|-----------------------------|-----------------------------------|
| Overall Diameter            | 460 mm (18 in)                    |
| Bolt Circle Diameter        | 440 mm (17.3 in)                  |
| Baffle Cutout Diameter      | 422 mm (16.6 in)                  |
| Depth                       | 188 mm (7.4 in)                   |
| Flange and Gasket Thickness | 16 mm (5/8 in)                    |
| Net weight                  | 13 kg (28.6 lb)                   |
| Shipping Weight             | 14.8 kg (32.6 lb)                 |
| Shipping Box                | 520x520x240 mm (20.5x20.5x9.4 in) |

<sup>1</sup> 2 hours test made with continuous pink noise signal (6 dB crest factor) within the specified range. Power calculated on rated minimum impedance. Loudspeaker in free air.

<sup>2</sup> Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

<sup>3</sup> Applied RMS Voltage is set to 2.83V for 8 ohms Nominal Impedance. Average SPL from 200 to 1200Hz.

<sup>4</sup> Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

