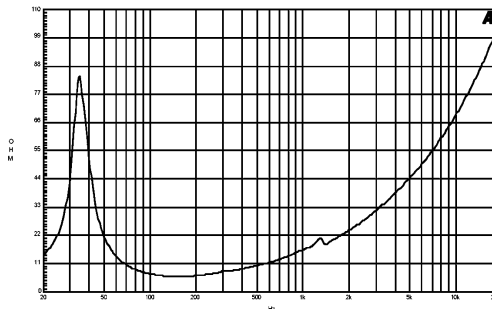
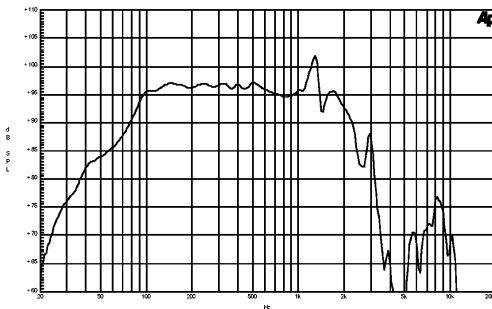




# 18 TBX 46 | Speakers

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.



Speakers HPL Coaxials HF Compression drivers Horns

## Specifications

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 Ω
Minumum Impedance	6.1 Ω
Power Handling (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
Oms	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.



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