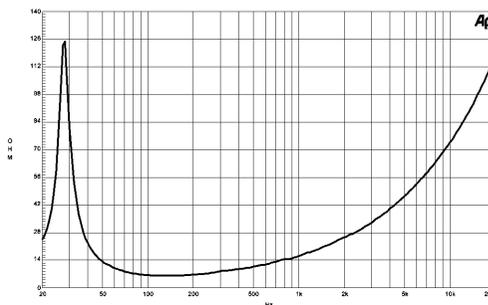
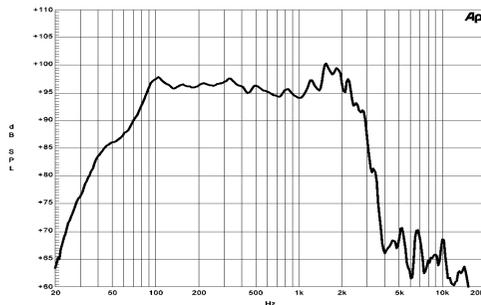




## 18 PS 46 | Woofer

Long excursion 18" woofer with 1400W power handling for subwoofer applications where reproduction of the lowest frequencies is mandatory. A special 4" voice coil using proprietary high temperature adhesives and an optimized magnet assembly guarantee robust LF output, low power compression and a very low distortion figure. A bass-reflex enclosure is recommended for best performance.



Horns  
HF Compression drivers  
Coaxials  
HPL  
Speakers

### Specifications

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 $\Omega$
Minimum Impedance	6.2 $\Omega$
Power Handling (40 - 400 Hz)	
Nominal <sup>1</sup>	700 W
Continuous Program <sup>2</sup>	1400 W
Sensitivity (1W/1m) <sup>3</sup>	96.5 dB
Frequency Range	30-2000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	21 mm (13/16 in)
Magnetic Gap Depth	8 mm (9/16 in)
Flux Density	1.1 T

Also available in 4  $\Omega$ , data upon request

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

Fs	28 Hz
Re	5.3 $\Omega$
Qes	0.33
Qms	7.6
Qts	0.31
Vas	386 dm <sup>3</sup> (13.6 ft <sup>3</sup> )
Sd	1134 cm <sup>2</sup> (175.8 in <sup>2</sup> )
$\eta_0$	2.4%
X max	$\pm 6$ mm
X Var	$\pm 5$ mm
Mms	153 g
Bl	20.8 T·m
Le	2.4 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	191 mm (7.5 in)
Flange and Gasket Thickness	16 mm (5/8 in)
Net Weight	10.3 kg (22.7 lb)
Shipping Weight	12.1 kg (26.6 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 2000Hz.

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

