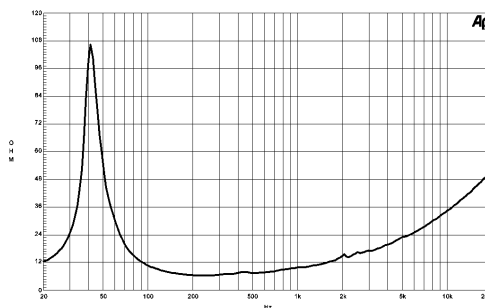
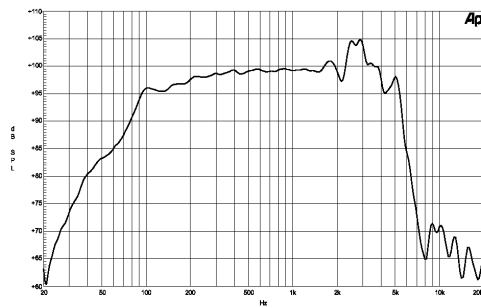




## 12 PH 32 | Woofer

High efficiency 12" woofer using a 2.5" aluminium voice coil. Smooth, extended frequency response and very good LF performance in compact bass-reflex enclosures makes it an optimal choice for a two-way system.



### Specifications

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Power Handling (60 - 600 Hz)	
Nominal <sup>1</sup>	250 W
Continuous Program <sup>2</sup>	500 W
Sensitivity (1W/1m) <sup>3</sup>	99.5 dB
Frequency Range	45-4000 Hz
Voice Coil Diameter	65 mm (2.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	12.5 mm (1/2 in)
Magnetic Gap Depth	9 mm (11/32 in)
Flux Density	1.2 T

Also available in 4 Ω, data upon request

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

Fs	42 Hz
Re	5.8 Ω
Qes	0.3
Qms	4.3
Qts	0.28
Vas	155 dm <sup>3</sup> (5.47 ft <sup>3</sup> )
Sd	522 cm <sup>2</sup> (80.9 in <sup>2</sup> )
η <sub>0</sub>	3.8%
X max	± 3 mm
X var	± 4.5 mm
Mms	35 g
Bl	13.3 T·m
Le	1.3 mH

### Mounting and Shipping Information

Overall Diameter	316 mm (12.4 in)
Bolt Circle Diameter	296 mm (11.6 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	142 mm (5.6 in)
Flange and Gasket Thickness	16 mm (5/8 in)
Net Weight	5 kg (11 lb)
Shipping Weight	5.9 kg (13 lb)
Shipping Box	380x380x170 mm (15x15x6.7 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 4000 Hz.

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

