



KEY FEATURES:

- 94 db 1W / 1m average sensitivity
- 77 mm high temperature aluminium voice coil
- 900 W AES program power
- Powerful, vented 180 mm magnet structure
- Aluminium demodulating ring for lower distortion and improved heat dissipation
- Silicone spider

Application: Woofer

The 12B45V loudspeaker is combining very good linearity and efficiency with high power handling capabilities, with use of 77 mm aluminium voice coil. It features vented aluminium die cast frame, 180 mm magnet structure and curvilinear paper cone. 12B45V is suitable for application as LF driver in compact subwoofers. This results in an incredible high efficient transducer for subwoofer applications, with the ability to handle high excursion with low distortion and reduced thermal power compression.

SPECIFICATIONS

Nominal Diameter 12"/310 inch/mm
Impedance 8 Ohm
Minimum Impedance 5.76 Ohm
Power Capacity AES ¹ 450 W
Program Power ² 700 W
Sensitivity (50-200 Hz) 94 dB/W/m
Frequency Range 40 - 2000 Hz
Voice Coil Diameter 77 mm
Voice Coil Material Aluminium
Voice Coil Former Glassfiber
V. C. Winding Depth 25 mm
Magnet Gap Depth 8 mm
Cone Material Paper with Kevlar fibers
Basket Die cast aluminium
Magnet Ferrite
Flux Density 1.24 T

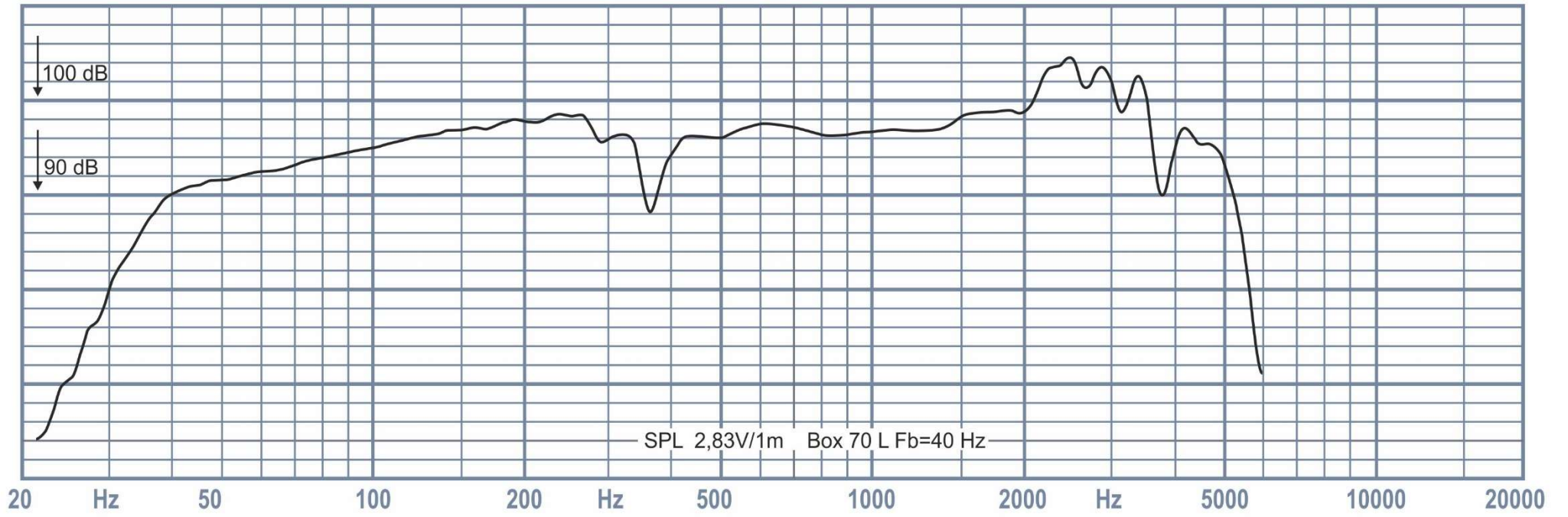
THIELE-SMALL PARAMETERS

Fs 47.88 Hz
Qms 7.37
Qes 0.371
Qts 0.354
Vas 58.51 Litres
Mms 69.86 grams
Re 4.90 Ohms
Sd 514.7 cm²
Xmax* ± 10.5 mm
Cms 0.1582 mm/N
BL 16.65 T.m
Le at 1kHz 0.733 mH

MOUNTING INFORMATION

Overall Diameter 47.88 mm
Baffle Hole Diameter 7.37 mm
Mounting Holes 8 elliptic 7 x 8 mm
Bolt Circle Diameter 296/298 mm
Overall Depth 158 mm
Net Weight 7.65 kg

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 70 L box enclosure tuned 40 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours.
2. Program power is defined as 3db greater than AES Power Capacity.



Frequency Responce

Drawings

