



KEY FEATURES:

- 99 db 1W / 1m average sensitivity
- 77 mm high temperature aluminium voice coil
- 900 W AES program power
- Powerful, vented 180 mm magnet structure
- Double aluminium demodulating rings for lower distortion and improved heat dissipation
- Silicone spider
- Epoxy anti-corrosion coating of top and back plates of magnet structure

PART NUMBER: 11112F0308

Application : Woofer

The **12B450** 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. **12B450** is suitable for application as LF driver in small stage monitors and 2- way PA boxes with 1" HF driver.

SPECIFICATIONS

Nominal Diameter	12"/315 inch/mm
Impedance	8 Ohm
Minimum Impedance	6,22 Ohm
Power Capacity AES ¹	450 W
Program Power ²	900 W
Sensitivity	(200-2000 Hz) 99dB/W/m
Frequency Range	50 - 3000 Hz
Voice Coil Diameter	77 mm
Voice Coil Material	Aluminium
Voice Coil Former	Kapton™
V. C. Winding Depth	21 mm
Magnet Gap Depth	11 mm
Cone Material	Paper
Basket	Die cast aluminium
Magnet	Ferrite
Flux Density	1,20 T

THIELE-SMALL PARAMETERS

Fs	46,29 Hz
Qms	9,56
Qes	0,241
Qts	0,235
Vas	71,75 Litres
Mms	60,97 grams
Re	5,07 Ohms
Sd	514,7 cm ²
Xmax*	± 7,75 mm
Cms	0,194 mm/N
BL	19,31 T.m
Le at 1kHz	1,10 mH

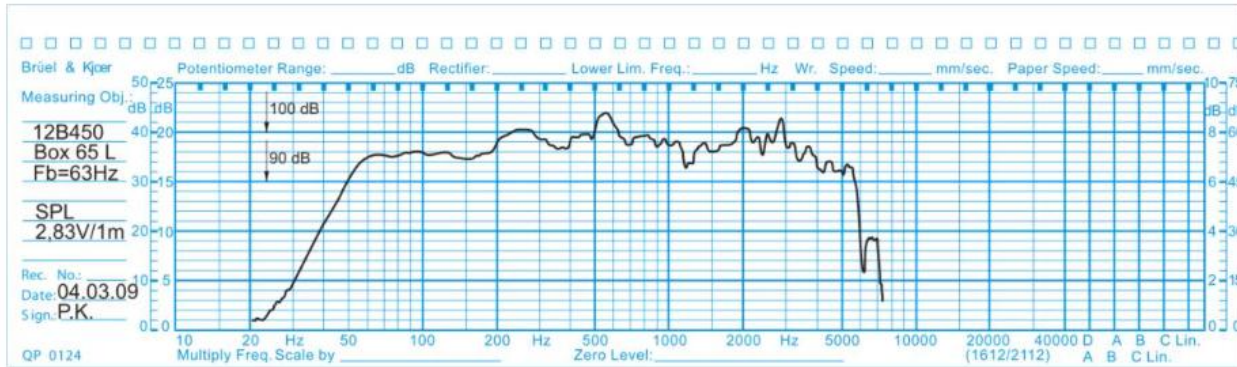
1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 65 L box enclosure tuned 63 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours.

2. Program power is defined as 3db greater than AES Power Capacity.

* Linear Mathematical Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.

MOUNTING INFORMATION

Overall Diameter	315 mm
Baffle Hole Diameter	280 mm
Mounting Holes	8 elliptic 7x8 mm
Bolt Circle Diameter	296 / 298 mm
Overall Depth	153 mm
Net Weight	7,5 kg



Frequency Response

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