



KEY FEATURES:

- 100 db 1W / 1m average sensitivity
- 77 mm high temperature sandwich voice coil
- 900 W AES program power
- Single aluminium demodulating ring in 15B450A and double aluminium demodulating rings in 15B450A2 for lower distortion and improved heat dissipation
- Powerful, ferrite 180 mm magnet structure
- Silicone spider
- Epoxy anti-corrosion coating of top and back plates of magnet structure

15B450 PART NUMBER: 11115F1108

15B450A PART NUMBER: 11115F1208

15B450A2 PART NUMBER: 11115F2708

Application : High power woofer

15B450 loudspeaker combining good linearity and efficiency with high power handling capabilities, with use of 77 mm voice coil. It features aluminium die cast frame, 180 mm magnet structure and 19 mm high voice coil. The top and back plates are treated with special high quality epoxy electro-deposition coating, which extremely improves the corrosion resistance of the speaker. **15B450** is suitable for application in a wide variety of enclosure types and particularly as LF driver in 2- or 3- way systems.

Version **15B450A** has one aluminium demodulating ring.

Version **15B450A2** has two aluminium demodulating rings which reduce modulation of magnetic flux in airgap for lower THD of the speaker.

SPECIFICATIONS

Nominal Diameter	15"/388 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.32 Ohm
Power Capacity AES ¹	450 W
Program Power ²	900 W
Sensitivity	(200-2000 Hz) 100 dB/W/m
Frequency Range	45 - 2500 Hz
Voice Coil Diameter	77 mm
Voice Coil Material	Cooper
Voice Coil Former	Glassfiber
V. C. Winding Depth	18 mm
Magnet Gap Depth	9 mm
Cone Material	Paper with glassfiber
Basket	Die cast aluminium
Magnet	Ferrite
Flux Density	1.33 T

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 120 L box enclosure tuned 56 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.

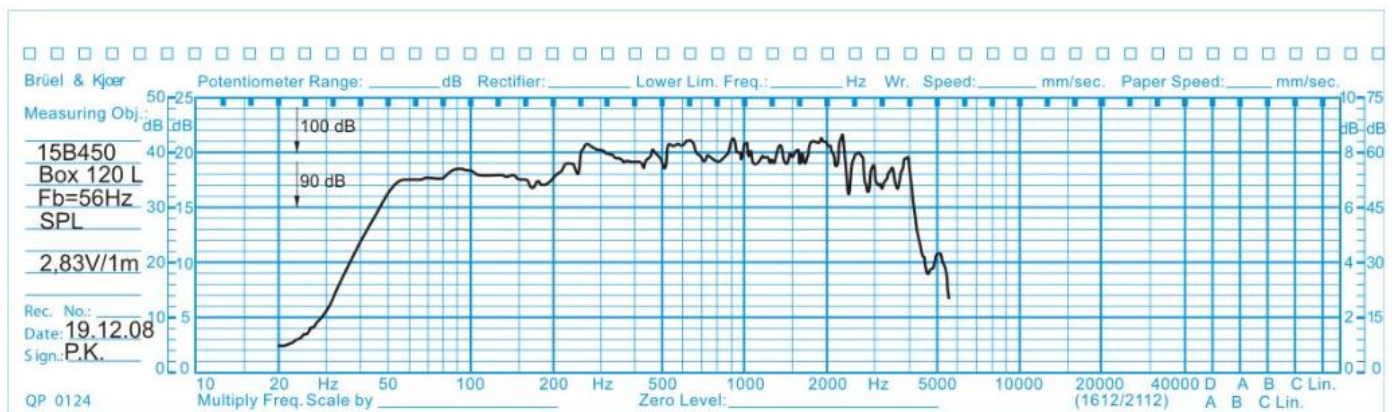
* Linear Mathematical Xmax is calculated as: $(H_{vc} - H_g)/2 + H_g/4$ where H_{vc} is the voice coil depth and H_g is the gap depth.

THIELE-SMALL PARAMETERS

Fs	45.08 Hz
Qms	9.60
Qes	0.294
Qts	0.286
Vas	146.85 Litres
Mms	81.56 grams
Re	5.32 Ohms
Sd	829.6 cm ²
Xmax*	± 6.75 mm
Cms	0.153 mm/N
BL	20.43 T.m
Le at 1kHz	1.08 mH

MOUNTING INFORMATION

Overall Diameter	388 mm
Baffle Hole Diameter	352 mm
Mounting Holes	8 elliptic 7x8 mm
Bolt Circle Diameter	370/372 mm
Overall Depth	162.5 mm
Net Weight	7.5 kg



Frequency Response