



**KEY FEATURES:**

- 100 db 1W / 1m average sensitivity
- 77 mm high temperature aluminium voice coil
- 1000 W AES program power
- Powerful, vented 180 mm magnet structure
- Double aluminium demodulating ring for lower distortion and improved heat dissipation
- Double silicone spiders for improved excursion control and linearity
- Epoxy anti-corrosion coating of top and back plates of magnet structure

**PART NUMBER:** 11115F1008

**Application : Midbass**

**15MB500** is a high power 15" midbass loudspeaker, with very high efficiency and very good linearity. It features a 3" aluminum voice coil, 180 mm vented magnet structure, double silicone spider assembly, vented aluminium frame with integrated double aluminium demodulating ring that reduces distortions and improves cooling of the 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. **15MB500** is suitable for use in high power portable and fixed installation professional loudspeaker boxes.

**SPECIFICATIONS**

Nominal Diameter	15"/385 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.27 Ohm
Power Capacity AES <sup>1</sup>	500 W
Program Power <sup>2</sup>	1000 W
Sensitivity	(200-2000 Hz) 100 dB/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 with glassfiber
Basket	Die Cast Aluminium
Magnet	Ferrite
Flux Density	1.20 T

**THIELE-SMALL PARAMETERS**

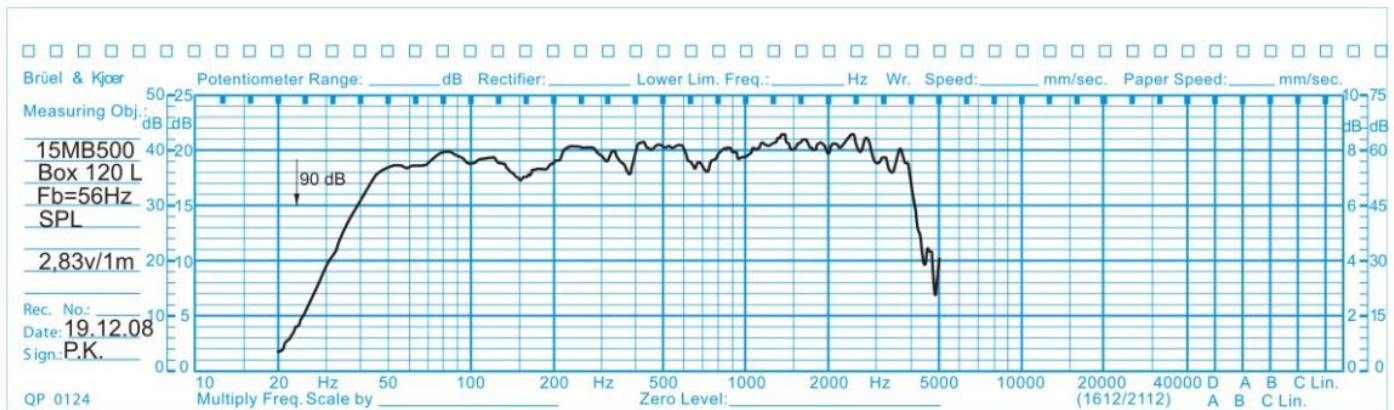
Fs	41.50 Hz
Qms	12.85
Qes	0.349
Qts	0.339
Vas	161.54 Litres
Mms	87.50 grams
Re	5.25 Ohms
Sd	829.6 cm <sup>2</sup>
Xmax*	± 7.75 mm
Cms	0.168 mm/N
BL	18.54 T.m
Le at 1kHz	0.92 mH

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:  $(Hvc - Hg)/2 + Hg/4$  where Hvc is the voice coil depth and Hg is the gap depth.

**MOUNTING INFORMATION**

Overall Diameter	388 mm
Baffle Hole Diameter	355 mm
Mounting Holes	8 with dia. 7mm
Bolt Circle Diameter	370/372 mm
Overall Depth	171.5 mm
Net Weight	7.8 kg



Frequency response