OBERTON
Professional Loudspeakers

KEY FEATURES:

- **97.5 db 1W / 1m average sensitivity**
- **100 mm high temperature copper voice coil**
- **1400 W AES program power**
- **Vented ferrite magnet assembly**
- **Two aluminium demodulating rings for lower distortion and improved heat dissipation**
- **Double silicone spider**

PART NUMBER: 11115F1908

Application : High power midbass

15MB701 loudspeaker combining good linearity and efficiency with high power handling capabilities, with use of 100 mm copper voice coil and double silicone spider. It features aluminium die cast frame, vented ferrite magnet structure with two demodulating rings. 15MB701 is suitable for application in a wide variety of enclosure types and particularly as LF driver in 2- or 3- way boxes.

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SPECIFICATIONS

Nominal Diameter 15"/385 inch/mm
Impedance 8 Ohm
Minimum Impedance 6.94 Ohm
Power Capacity AES [1] 700 W
Program Power [2] 1400 W
Sensitivity (200-2000 Hz) 97.5 dB/W/m
Frequency Range 45 - 2500 Hz
Voice Coil Diameter 100 mm (4”)
Voice Coil Material Copper
Voice Coil Former Glassfiber
V. C. Winding Depth 23 mm
Magnet Gap Depth 9 mm
Cone Material Kevlar paper + glassfiber
Basket Die cast aluminium
Magnet Ferrite
Flux Density 1.28 T

THIELE-SMALL PARAMETERS

Fs 44.24 Hz
Qms 12.03
Qes 0.274
Qts 0.268
Vas 100.22 Litres
Mms 124.10 grams
Re 5.4 Ohms
Sd 829.6 cm2
Xmax* ± 9.25 mm
Cms 0.104 mm/N
BL 26.05 T.m
Le at 1kHz 0.92 mH

MOUNTING INFORMATION

Overall Diameter 388 mm
Baffle Hole Diameter 355 mm
Mounting Holes 8 diam 7 mm
Bolt Circle Diameter 370/372 mm
Overall Depth 179 mm
Net Weight 10.45 kg

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.*

RECONE KIT:

RK15MB701 - Part No: R1115F1908

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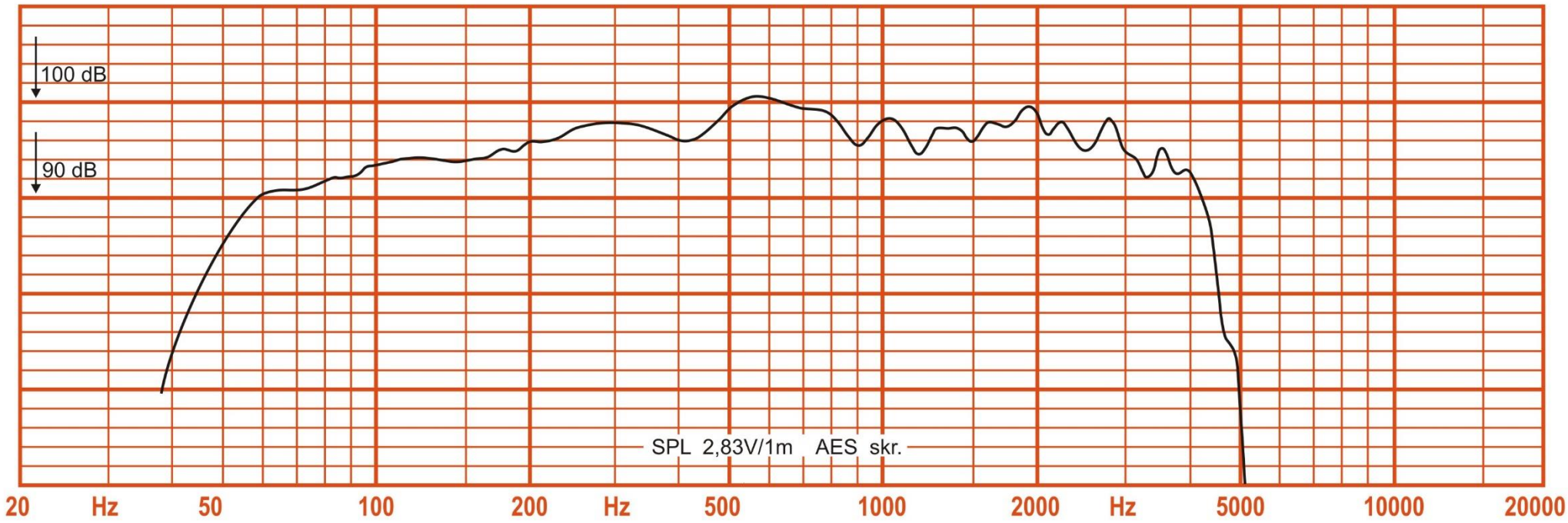
Frequency Responce



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Drawings