OBERTON
Professional Loudspeakers

**KEY FEATURES:**

- **100 db 1W / 1m avenage sensitivity**
- **100 mm high temperature voice coil**
- **1200 W AES program power**
- **Vented neodymium magnet assembly with massive heatsink**
- **Triple aluminium demodulating rings for lower distortion and improved heat dissipation**
- **Double silicone spider for improved excursion control and linearity**

**PART NUMBER:** 11115N1608

**Application : High power midbass**

15NMB601 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 with integrated triple demodulating rings and vented neodymium magnet structure. The massive heatsink improve the cooling of the magnet structure, which reduce power compression. 15NMB601 is suitable for application in a wide variety of enclosure types and particularly as LF driver in 2- or 3- way boxes and also it is suitable for horn loaded systems. 15NMB601 is new version of 15NMB600 with new frame.

**15MB601** is a high power 15 inch mid-bass loudspeaker, with high efficiency and perfect linearity. It features a 4” sandwich voice coil, 220 mm magnet structure, vented aluminium frame, double silicone spider assembly and aluminum demodulating rings 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. **15MB601** is suitable for compact size bass reflex enclosures and horn loaded or hybrid horn loaded systems. 15MB601 is new version of 15MB600 with new frame.

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## SPECIFICATIONS

Nominal Diameter 15"/388 inch/mm
Impedance 8 Ohm
Minimum Impedance 6.25 Ohm
Power Capacity AES [1] 600 W
Program Power [2] 1200 W
Sensitivity (200-2000 Hz) 100 dB/W/m
Frequency Range 45 - 3000 Hz
Voice Coil Diameter 100 mm (4”)
Voice Coil Material Copper
Voice Coil Former Kapton
V. C. Winding Depth 15 mm
Magnet Gap Depth 9 mm
Cone Material Kevlar paper
Basket Die cast aluminium
Magnet Ferrite
Flux Density 1.45 T

## THIELE-SMALL PARAMETERS

Fs 43.25 Hz
Qms 7.22
Qes 0.178
Qts 0.174
Vas 145.15 Litres
Mms 89.65 grams
Re 5.49 Ohms
Sd 830 cm2
Xmax* ± 525 mm
Cms 0.151 mm/N
BL 27.43 T.m
Le at 1kHz 1.01 mH

## MOUNTING INFORMATION

Overall Diameter 389 mm
Baffle Hole Diameter 353 mm
Mounting Holes 8 diam 7 mm
Bolt Circle Diameter 372 mm
Overall Depth 185.8 mm
Net Weight 8.4 kg

*1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 125 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:**

RK15NMB601 - Part No: R1115N1608

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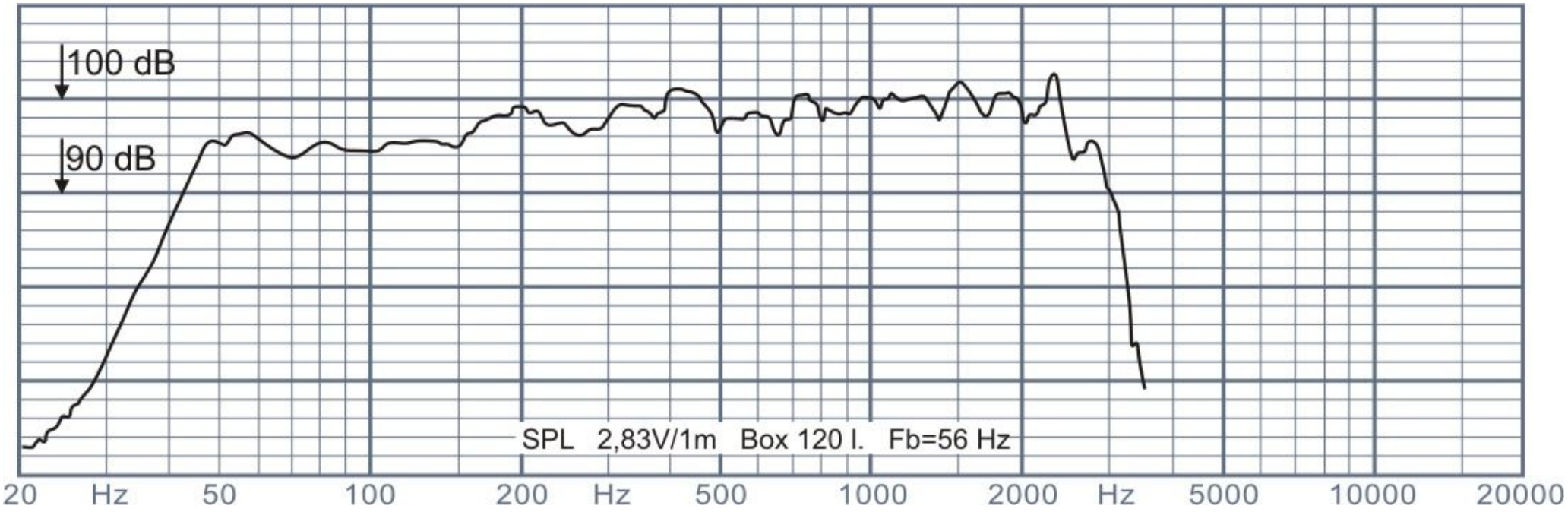
Frequency Responce



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Drawings