



## KEY FEATURES:

- 95 db 1W / 1m average sensitivity
- 100 mm high temperature sandwich voice coil
- 2400 W AES program power
- Powerful, vented 220 mm magnet structure
- Double silicone spiders for improved excursion control and linearity
- Aluminium demodulating ring for lower distortion and improved heat dissipation
- Water protected cone (front)
- Epoxy anti-corrosion coating of top and back plates of magnet structure

**PART NUMBER:** 11115F1708

## Application : Extended low frequency woofer

**15XB1201** is a high power long coil 15 inch bass loudspeaker design to reinforce low frequency range at very high sound power levels. It features a 4" split sandwich voice coil, vented aluminium frame, 220 mm magnet structure and double silicone spider assembly. The top and back plates are treated with special high quality epoxy electro-deposition coating, which extremely improves the corrosion resistance of the speaker. It is suitable for high level subwoofer applications in bassreflex boxes. 15XB1201 is new version of 15XB1200 with new frame.

### SPECIFICATIONS

Nominal Diameter 15"/385 inch/mm  
Impedance 8 Ohm  
Minimum Impedance 6.52 Ohm  
Power Capacity AES <sup>1</sup> 1200 W  
Program Power <sup>2</sup> 2400 W  
Sensitivity (100-200 Hz) 95 dB/W/m  
Frequency Range 39 - 2000 Hz  
Voice Coil Diameter 100 mm (4")  
Voice Coil Material Copper  
Voice Coil Former Glassfiber  
V. C. Winding Depth 29 mm  
Magnet Gap Depth 10 mm  
Cone Material Paper with carbone fibers  
Basket Die cast aluminium  
Magnet Ferrite  
Flux Density 1.25 T

### THIELE-SMALL PARAMETERS

Fs 39.81 Hz  
Qms 7.84  
Qes 0.321  
Qts 0.308  
Vas 108.5 Litres  
Mms 141.53 grams  
Re 5.20 Ohms  
Sd 829.6 cm<sup>2</sup>  
Xmax\* ± 12 mm  
Cms 0.1129 mm/N  
BL 23.95 T.m  
Le at 1kHz 1.36 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 173 mm  
Net Weight 13.75 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.

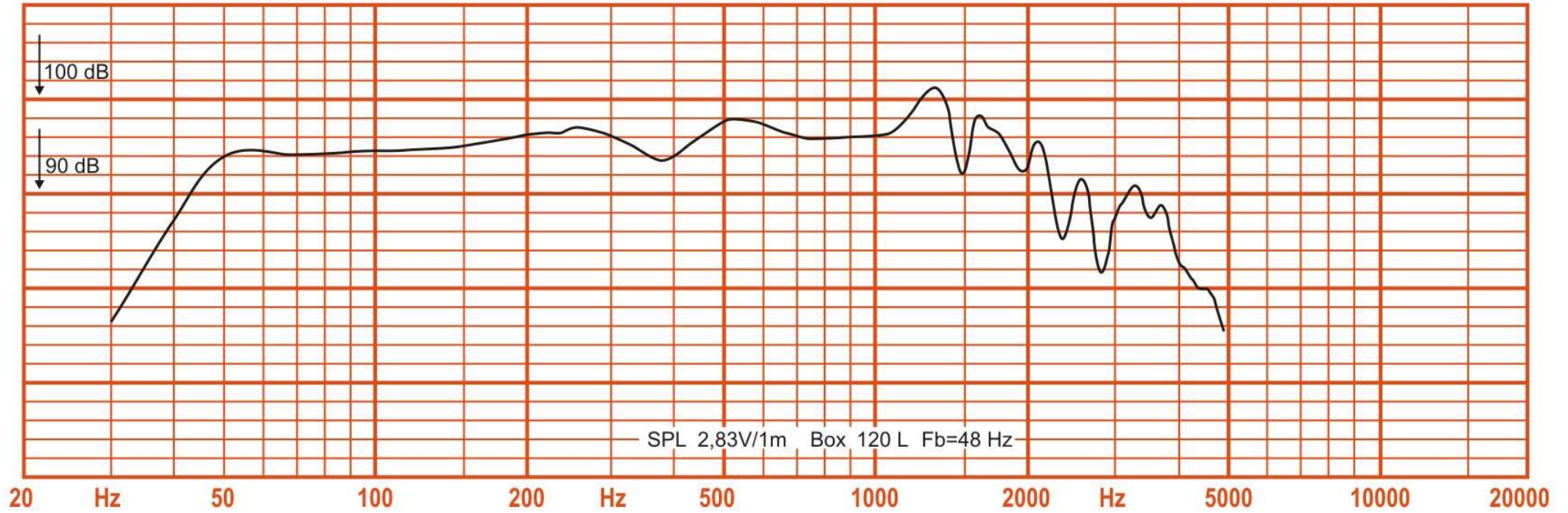
\* Linear Mathematical Xmax is calculated as:  $(Hvc - Hg)/2 + Hg/4$  where Hvc is the voice coil depth and Hg is the gap depth.

### RECONE

RK15XB1201 - Part No: R1115F1708

KIT:

## Frequency Responce



## Drawings

