



KEY FEATURES:

- 98 db 1W / 1m average sensitivity
- 100 mm high temperature aluminium voice coil
- 1400 W AES program power
- Vented ferrite magnet assembly
- Aluminium demodulating ring for lower distortion and improved heat dissipation
- Double silicone spider
- Epoxy anti-corrosion coating of top and back plates of magnet structure

PART NUMBER: 11115F2008

Application : High power midbass

15XL701 loudspeaker combining good linearity and efficiency with high power handling capabilities, with use of 100 mm aluminium voice coil and double silicone spider. It features aluminium die cast frame, vented ferrite magnet structure with demodulating ring. The low Mms ensures fast and precise midbass reproduction. The top and back plates are treated with special high quality epoxy electro-deposition coating, which extremely improves the corrosion resistance of the speaker. 15XL701 is suitable for application in a wide variety of enclosure types and particularly as LF driver in 2- or 3- way boxes. 15XL701 is new version of 15XL700 with new frame.

SPECIFICATIONS

Nominal Diameter 15"/385 inch/mm
Impedance 8 Ohm
Minimum Impedance 6.65 Ohm
Power Capacity AES ¹ 700 W
Program Power ² 1400 W
Sensitivity (200-2000 Hz) 98 dB/W/m
Frequency Range 45 - 3000 Hz
Voice Coil Diameter 100 mm (4")
Voice Coil Material Aluminium
Voice Coil Former Glassfiber
V. C. Winding Depth 23 mm
Magnet Gap Depth 11 mm
Cone Material Paper with glassfiber
Basket Die cast aluminium
Magnet Ferrite
Flux Density 1.1 T

THIELE-SMALL PARAMETERS

Fs 45.25 Hz
Qms 10.07
Qes 0.288
Qts 0.28
Vas 116.99 Litres
Mms 101.61 grams
Re 5.3 Ohms
Sd 829.6 cm²
Xmax* ± 8.75 mm
Cms 0.1217 mm/N
BL 23.07 T.m
Le at 1kHz 1.05 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 168.4 mm
Net Weight 12.65 kg

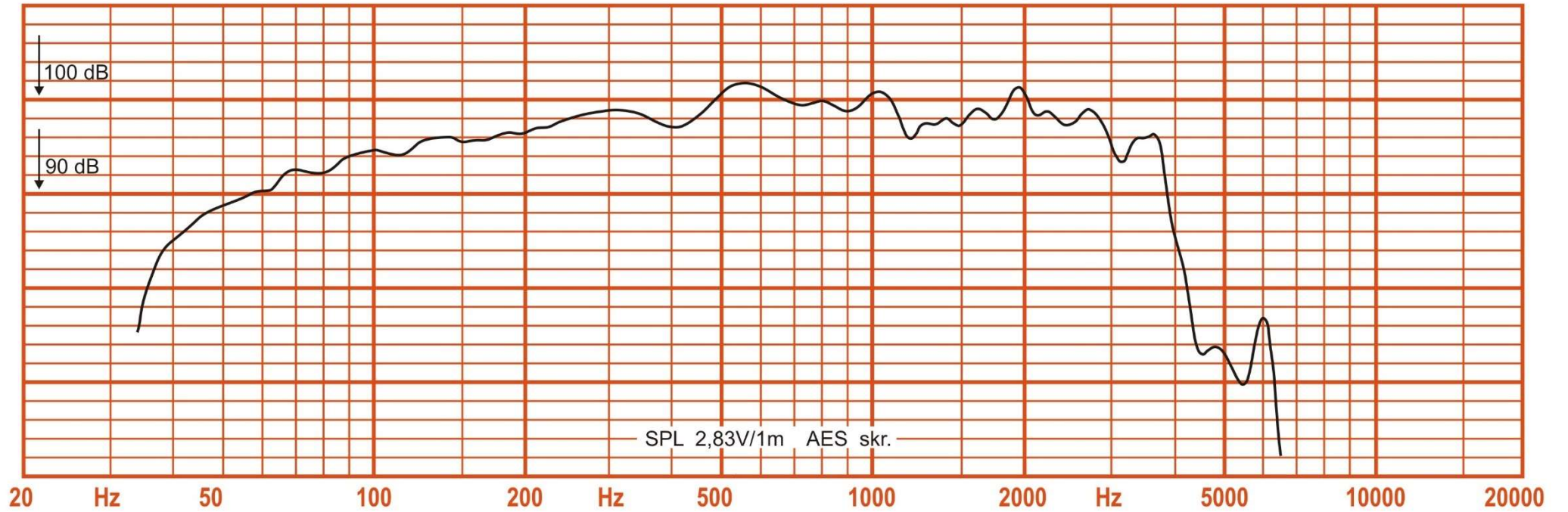
1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 120 L box enclosure tuned 56 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours.
2. Program power is defined as 3db greater than AES Power Capacity.

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

RECONE KIT:

RK15XL701 - Part No: R1115F2008

Frequency Responce



Drawings

