OBERTON
Professional Loudspeakers

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**
- **Double aluminium demodulating rings for lower distortion and improved heat dissipation**
- **Water protected cone (front)**

PART NUMBER: 11115F0108

tlhp
TOUTLEHAUTPARLEUR.COM

OBERTON
Professional Loudspeakers

Application : Extended low frequency woofer

15XB1200 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. It is suitable for high level subwoofer applications in bassreflex boxes.

SPECIFICATIONS

Nominal Diameter 15"/385 inch/mm
Impedance 8 Ohm
Minimum Impedance 6.52 Ohm
Power Capacity AES ¹ 1200 W
Program Power ² 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 carbon 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 cm2
Xmax* ± 12 mm
Cms 0.1129 mm/N
BL 23.95 T.m
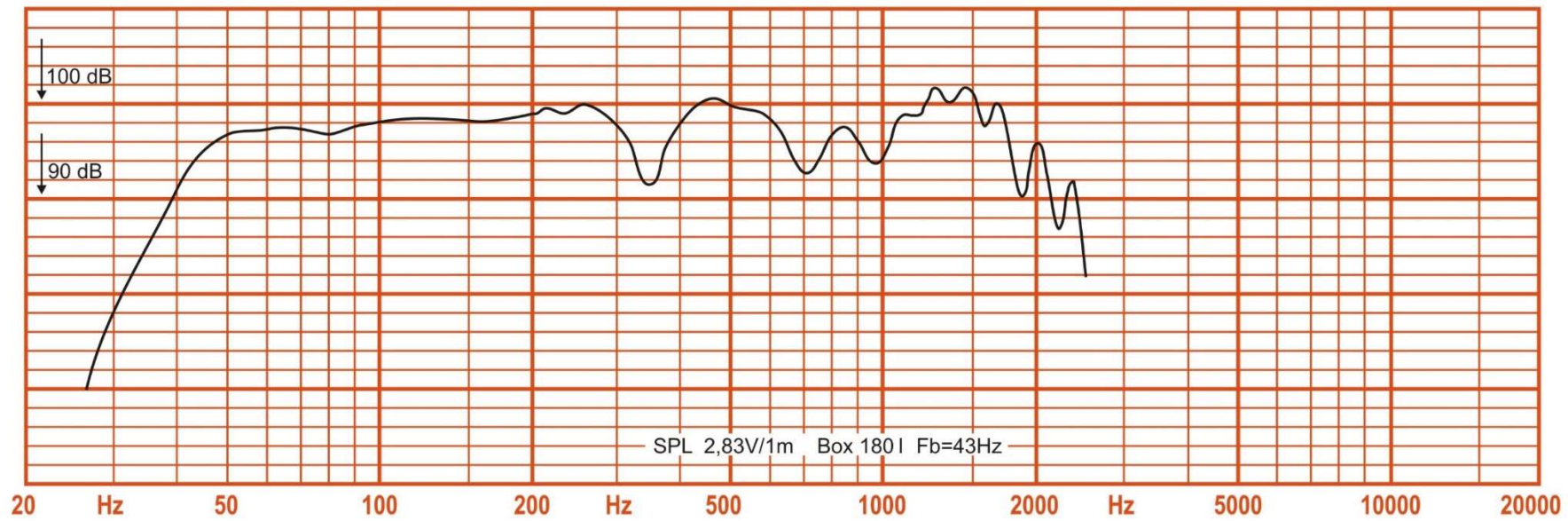Le at 1kHz 1.36 mH

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 186.5 mm
Net Weight 12.82 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.

OBERTON
Professional Loudspeakers

Frequency Responce

SPL 2,83V/1m   Box 180 l Fb=43Hz

tlhp
TOUTLEHAUTPARLEUR.COM

Drawings

Ø 388
Ø 372
Ø 355
19.2
186.5