

15XB1200



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

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
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

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.

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 ²
Xmax*	±12 mm
Cms	0.1129
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 with dia. 7mm
Bolt Circle Diameter	370 / 372 mm
Overall Depth	186.5 mm
Net Weight	12.82 kg

RECONE KIT:

RK15XB1200 - Part No: R1115F0108