



KEY FEATURES:

- 95 db 1W / 1m average sensitivity
- 77 mm high temperature sandwich voice coil
- 1200 W AES program power
- Vented neodymium magnet assembly with massive heatsink
- Double aluminium demodulating rings for lower distortion and improved heat dissipation
- Double silicon spider for improved excursion control and linearity
- Water protected cone (front)

PART NUMBER: 11115N0408

Application: Power bass

The 15NSW600 is neodymium bass loudspeaker, designed to deliver high impact bass response, with exceptional high excursion. It features 34 mm high sandwich voice coil, double silicon spider, vented neodymium magnet structure and aluminium die cast frame. The special designed components for low Mms ensure very high definition bass reproduction. The massive heatsink improve the cooling of the magnet structure, which reduce power compression. The double aluminium demodulating rings on the magnet structure reduce distortion and inductance and improve transient response. This results in an incredible high efficient transducer for subwoofer applications, with the ability to handle high excursion with low distortion and reduced thermal power compression. It is suitable for tuned reflex enclosures for high level subwoofer applications.

SPECIFICATIONS

Nominal Diameter 15"/385 inch/mm
Impedance 8 Ohm
Minimum Impedance 7.82 Ohm
Power Capacity AES ¹ 600 W
Program Power ² 1200 W
Peak Power ³ 4800 W
Sensitivity (50-200 Hz) 95 dB/W/m
Frequency Range 35 - 1000 Hz
Voice Coil Diameter 77 mm (3")
Voice Coil Material Copper Clad Aluminium
Voice Coil Former Glassfiber
V. C. Winding Depth 34 mm
Magnet Gap Depth 11 mm
Cone Material Paper with kevlar fibers
Basket Die cast aluminium
Magnet Neodymium
Flux Density 1.23 T

THIELE-SMALL PARAMETERS

Fs 36.51 Hz
Qms 8.44
Qes 0.304
Qts 0.293
Vas 148.39 Litres
Mms 123.05 grams
Re 5.90 Ohms
Sd 829.6 cm²
Xmax* ± 14.25 mm
Cms 0.1544 mm/N
BL 23.41 T.m
Le at 1kHz 0.80 mH

MOUNTING INFORMATION

Overall Diameter 388 mm
Baffle Hole Diameter 355 mm
Mounting Holes 8 elliptic 7x8 mm
Bolt Circle Diameter 370/372 mm
Overall Depth 205.3 mm
Net Weight 7.15 kg

RECONE KIT:

RK15NSW600 - Part No: R1115N0408

1. AES standard. Power is calculated on rated minimum impedance.

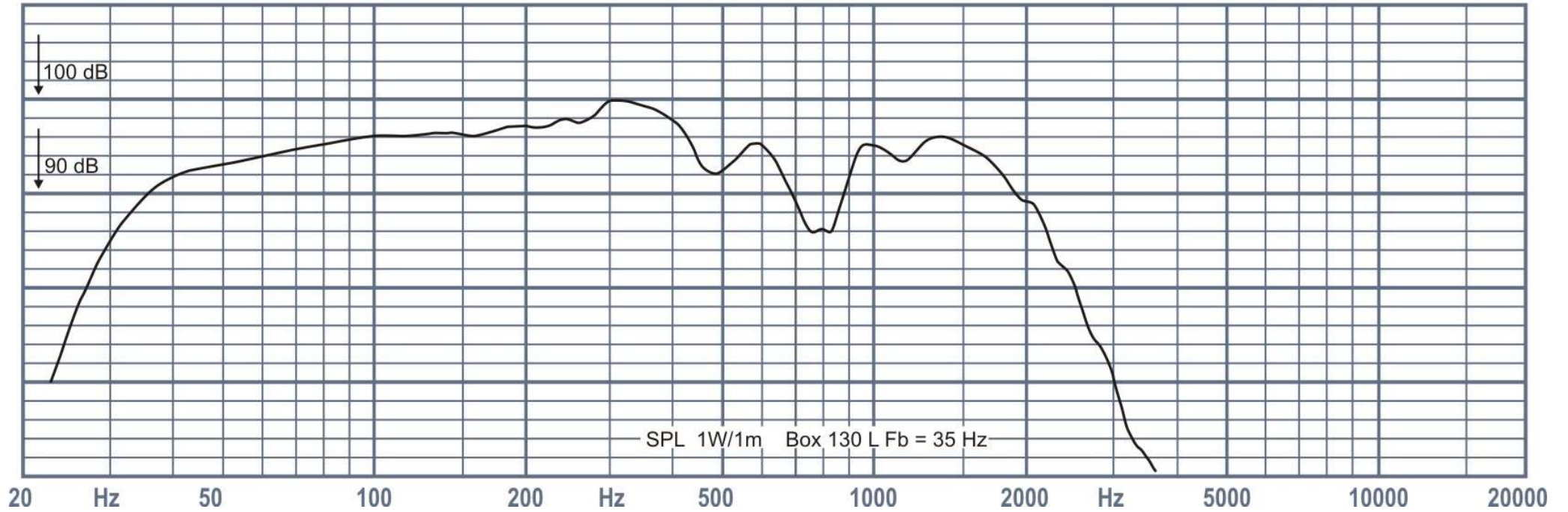
2. Program power is defined as 3db greater than AES Power Capacity.

3. Measurement is in 130 L box enclosure tuned 35 Hz using a 40-400 Hz band limited pink noise test signal with crest factor 9 dB applied continuously for 2 hours.

* 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.

Frequency Responce

SPL 1W/1m OBERTON 15NSW600



Drawings

