OBERTON
Professional Loudspeakers

KEY FEATURES:

- **77 mm (3") high temperature sandwich voice coil**
- **1400 W AES program power**
- **Powerful, vented neodymium magnet structure**
- **Double aluminium demodulating ring for lower distortion and improved heat dissipation**
- **Double silicone spider assembly for improved excursion control and linearity**
- **Water protected cone with Carbone fibers**

PART NUMBER: 11118N0508

RECONE KIT: RK18NSW700 - Part No: R1118N0508

APPLICATION: Power bass

The 18NSW700 neodymium bass loudspeaker is specially designed to deliver high impact bass response, with exceptional high power capacity. It incorporates a 3", 34 mm long sandwich voice coil, double silicone spider assembly, paper cone with Carbone fibers and die cast vented aluminium frame. Powerful, vented magnetic structure which reduces power compression with double demodulating rings. The result is high efficient transducer for precision bass applications, with the ability to handle high excursion with low distortion. It has very low Mms and Le which ensure very fast bass reproduction.

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SPECIFICATIONS

Nominal Diameter 18"/461 inch/mm
Impedance 8 Ohm
Minimum Impedance 7.13 Ohm
Power Capacity AES [1] 700 W
Program Power [2] 1400 W
Sensitivity (40-200 Hz) 97.5 dB/W/m
Frequency Range 30 - 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 16 mm
Cone Material Paper with carbon fibers
Basket Die cast aluminium
Magnet Neodymium
Flux Density 1.35 T

THIELE-SMALL PARAMETERS

Fs 30.48 Hz
Qms 9.24
Qes 0.25
Qts 0.243
Vas 309.02 Litres
Mms 151.94 grams
Re 6.10 Ohms
Sd 1158 cm2
Xmax* ± 13 mm
Cms 0.1795 mm/N
BL 26.65 T.m
Le at 1kHz 0.96 mH

MOUNTING INFORMATION

Overall Diameter 461 mm
Baffle Hole Diameter 417 mm
Mounting Holes 8 eliptic 7 x 8.5 mm
Bolt Circle Diameter 438/441 mm
Overall Depth 225 mm
Net Weight 10.3 kg

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 192 L box enclosure tuned 43 Hz using a 40-400 Hz band limited pink noise with peak factor 9 dB 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.*

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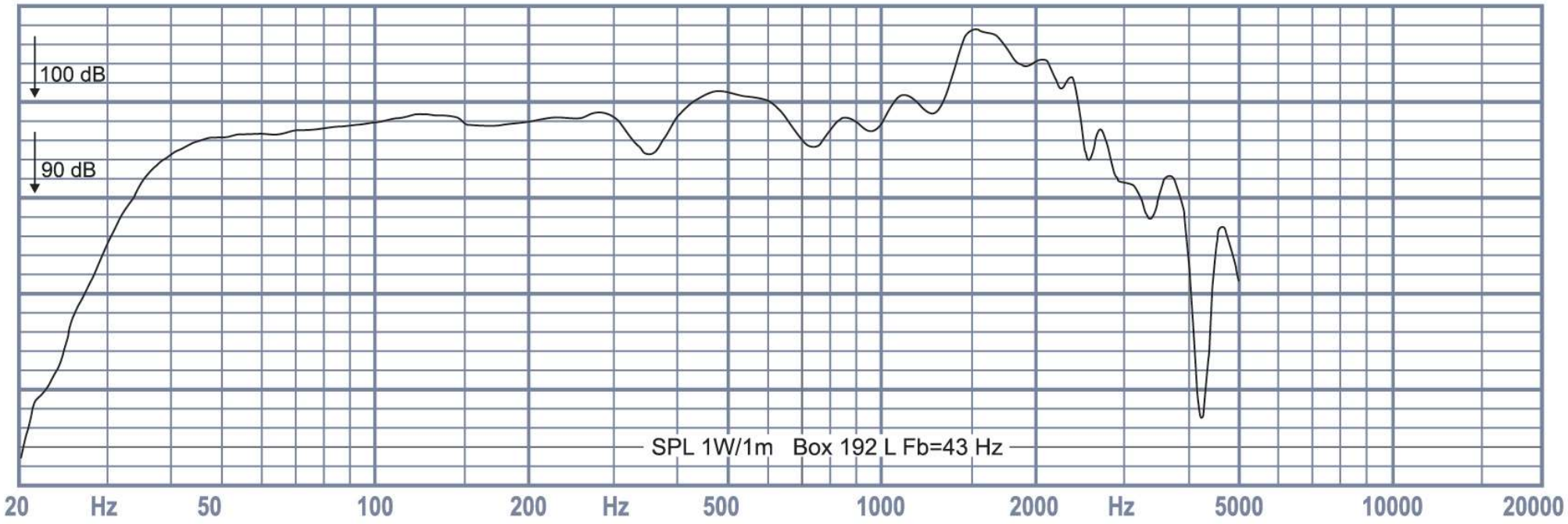
Frequency Responce



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Drawings