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18NSW700

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NEW 18" Neodymium Woofer, 3" voice coil, 700 W, 97.5 dB



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

APPLICATION: Power bass

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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

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
Peak Power	Peak 6000 W
Sensitivity	(40-200 Hz) 97.5 dB/W/m
Frequency Range	30 - 1000 Hz
Voice Coil Diameter	77 mm
Voice Coil Material	Copper Glad Aluminium
Voice Coil Former	Glassfiber
V. C. Winding Depth	34 mm
Magnet Gap Depth	16 mm
Cone Material	Paper with Carbone 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 cm ²
Xmax*	± 13 mm
Cms	0.1795 mm/N
BL	26.65 T.m
Le at 1kHz	0.96 mH
EBP	121.95

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.

MOUNTING INFORMATION

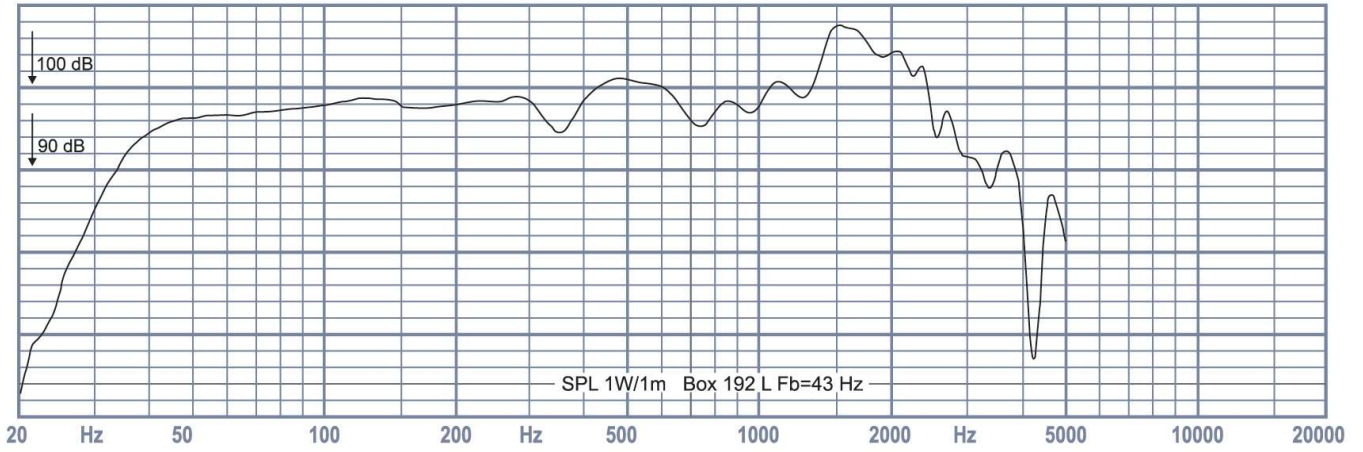
Overall Diameter	461 mm
Baffle Hole Diameter	417 mm
Mounting Holes	8 elliptic 7 x 8,5 mm
Bolt Circle Diameter	438/441 mm
Overall Depth	225 mm
Net Weight	10.30 kg

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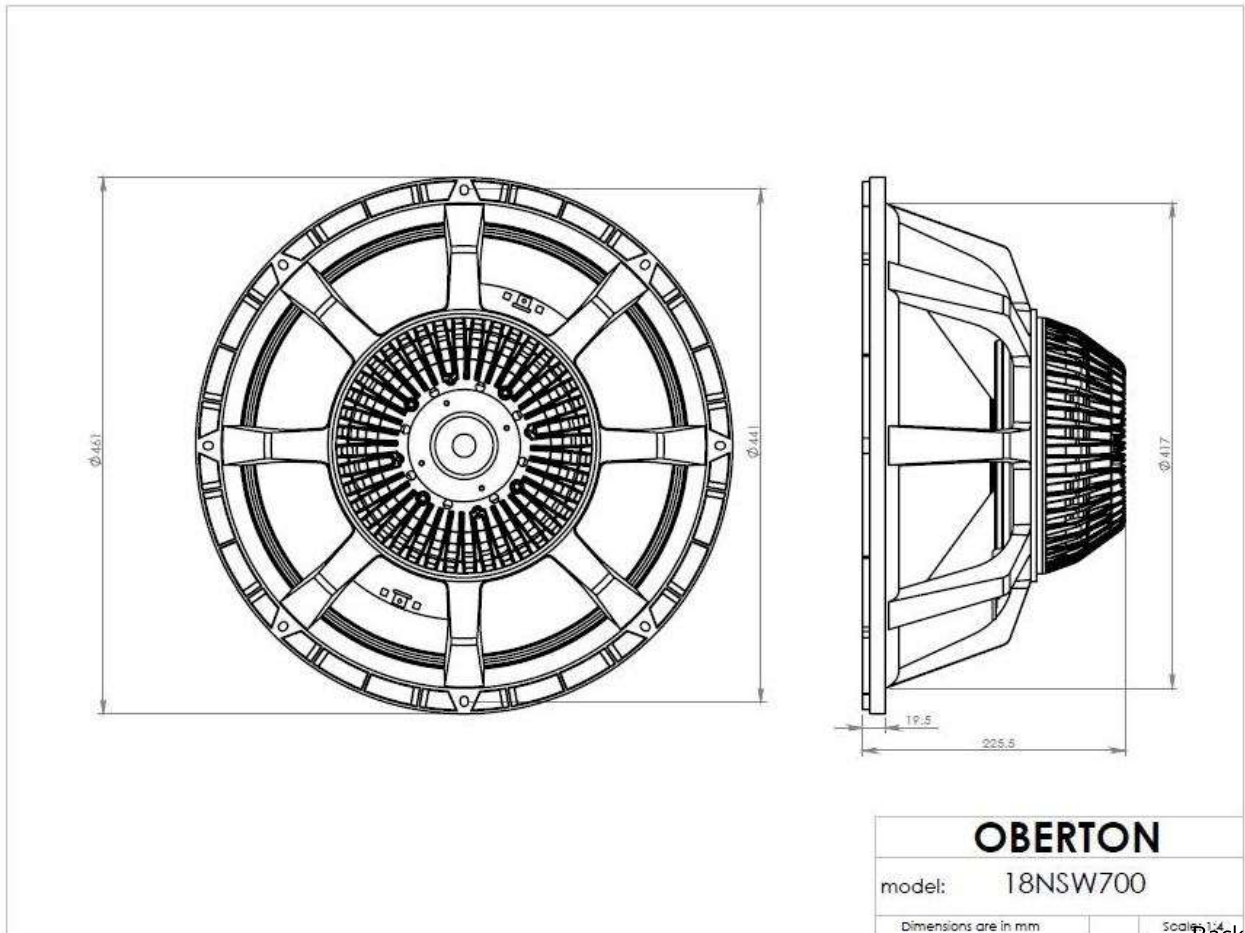
RECONE KIT:

RK18NSW700 - Part No: R1118N0508

Frequency Response



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