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12NSW600

NEW 12” Neodymium Woofer, 3” voice coil, 600 W, 93 dB

KEY FEATURES:

- **93 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 silicone spider for improved excursion control and linearity**
- **Water protected cone (front)**

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PART NUMBER: 11112N0108

Application : Power bass

The 12NSW600 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 a 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 and high definition subwoofer applications.

SPECIFICATIONS

Nominal Diameter	12"/315 inch/mm
Impedance	8 Ohm
Minimum Impedance	7.7 Ohm
Power Capacity AES [1]	600 W
Program Power [2]	1200 W
Sensitivity	(40 -200 Hz) 93 dB/W/m
Frequency Range	35 – 1000 Hz
Voice Coil Diameter	77 mm
Voice Coil Material	Copper Clad Aluminium
Voice Coil Former	Glass fiber
V. C. Winding Depth	34 mm
Magnet Gap Depth	11 mm
Cone Material	Kevlar paper
Basket	Die Cast Aluminium
Magnet	Neodymium
Flux Density	1.2 T

THIELE-SMALL PARAMETERS

Fs	41.97 Hz
Qms	7.28
Qes	0.331
Qts	0.316
Vas	62.34 litres
Mms	85.34 grams
Re	6.00 Ohms
Sd	514.7 cm2
Xmax*	±14.25 mm
Cms	0.168 mm/N
BL	20.20 T.m
Le at 1kHz	0.63 mH

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 82 L box enclosure tuned 40 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.*

MOUNTING INFORMATION

Overall Diameter	315 mm
Baffle Hole Diameter	280 mm
Mounting Holes	8 eliptic 7x8 mm

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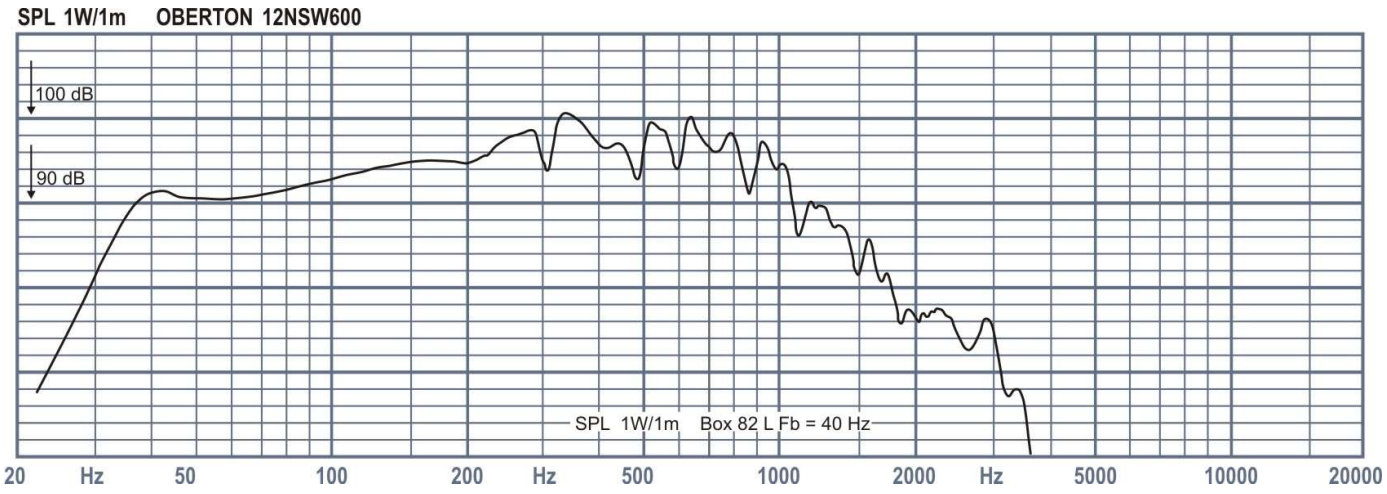
Bolt Circle Diameter	296 / 298 mm
Overall Depth	185.5 mm
Net Weight	6.65 kg

RECONE KIT:
RK12NSW600 - Part No: R1112N0108

Frequency Response



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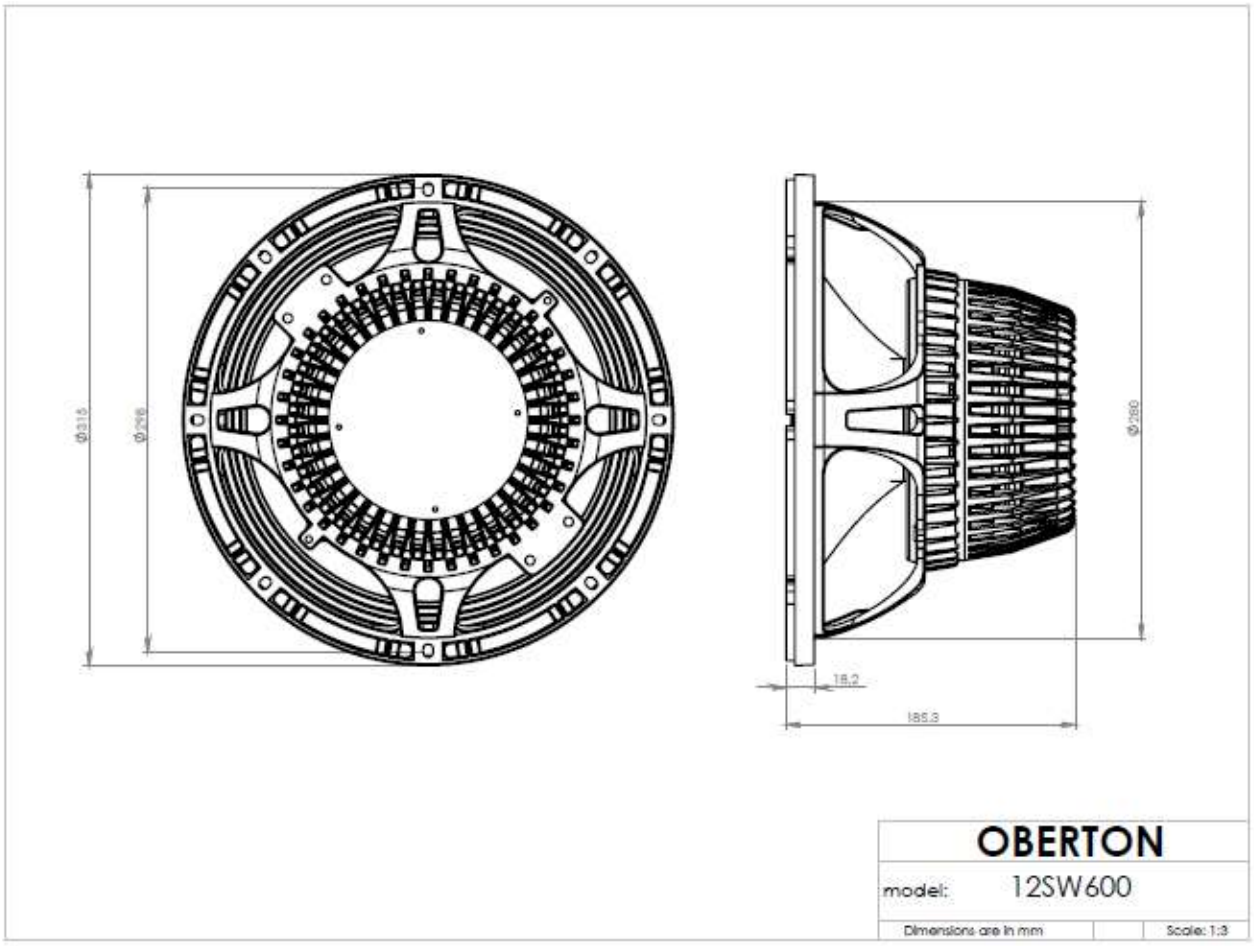

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