

[Home \(/en/\)](#) > [NEODYMIUM LOUDSPEAKERS \(/en/products/neodymium-loudspeakers.html\)](#) > [15NSW600](#)

15NSW600

[15NSW600 \(/en/products/neodymium-loudspeakers/460-15nsw600.html\)](#)

[Curves \(/en/products/neodymium-loudspeakers/460-15nsw600.html?start=1\)](#)

[Drawings \(/en/products/neodymium-loudspeakers/460-15nsw600.html?start=2\)](#)

[All Pages \(/en/products/neodymium-loudspeakers/460-15nsw600.html?showall=1\)](#)

NEW 15" Neodymium Woofer, 3" voice coil, 600 W, 95 dB



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

[Back to Top](#)

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"/388 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
V. C. Diameter	77 mm
Voice Coil Material	Copper Clad Aluminium
Voice Coil Former	Glassfiber
Voice Coil Winding Depth	34 mm
Magnet Gap Depth	11 mm
Cone Material	Kevlar paper
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 cm ²
Xmax*	±14.25 mm
Cms	0.1544 mm/N
BL	23.41 T.m
Le at 1kHz	0.80 mH

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: $(Hvc - Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.

MOUNTING INFORMATION

Overall Diameter	388 mm
Baffle Hole Diameter	355 mm
Mounting Holes	8 elliptic 7x8 mm

[Back to Top](#)

Bolt Circle Diameter

370/372 mm

Overall Depth

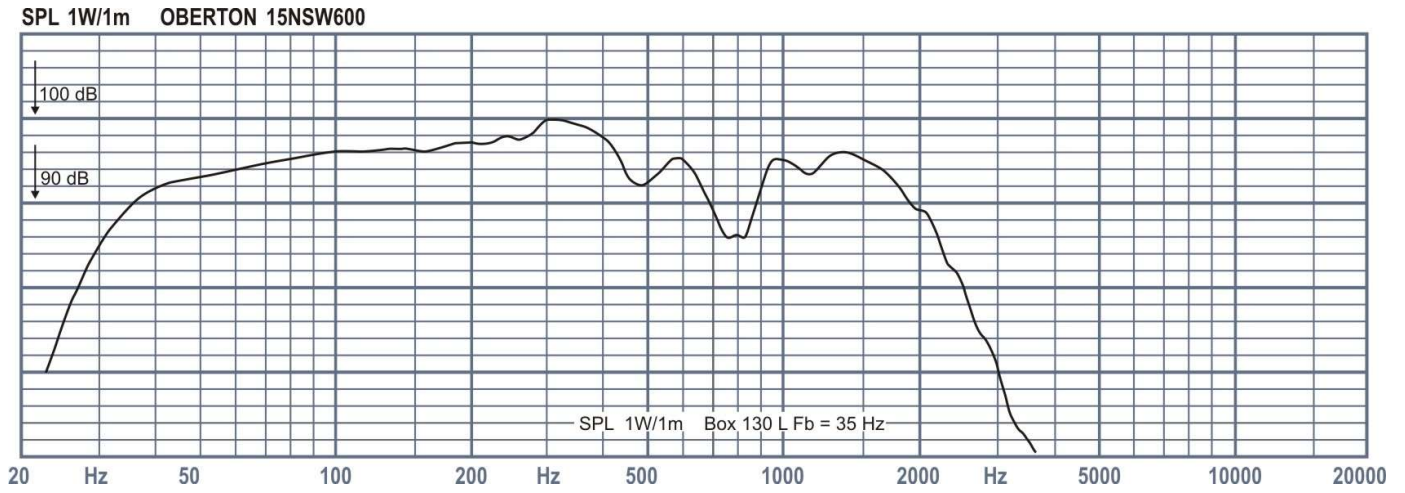
205.3 mm

Net Weight

7.15 kg

RECONE KIT:

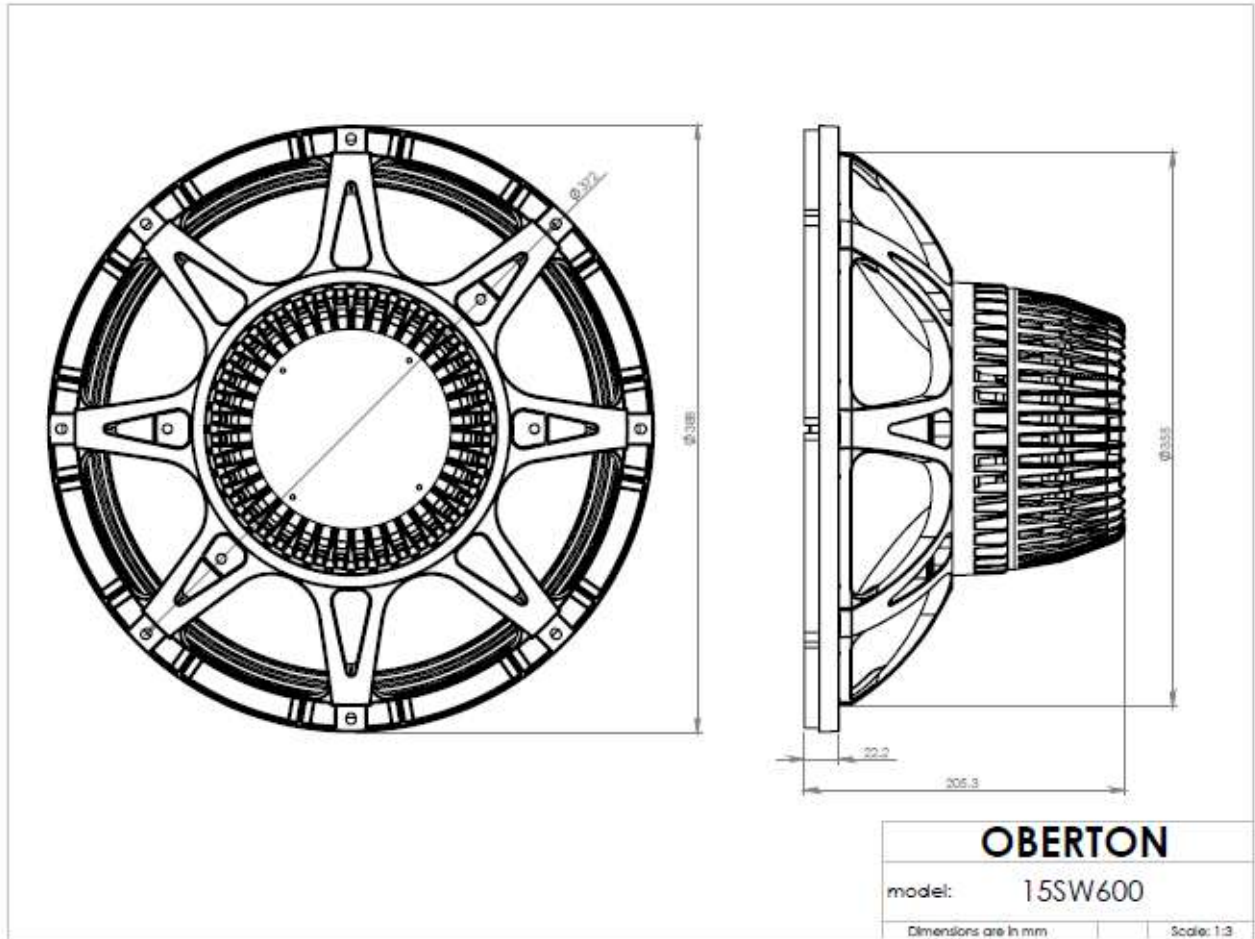
RK15NSW600 - Part No: R1115N0408



Frequency Response

Download **PDF** (/images/stories/pdfi/Assem_15NSW600.PDF)

[Back to Top](#)



Copyright © 2021 OBERTON Professional Loudspeakers. All Rights Reserved.

[Terms and conditions \(/en/terms-and-conditions.html\)](/en/terms-and-conditions.html)

[Privacy Policy \(/en/privacy-policy.html\)](/en/privacy-policy.html)

[Back to Top](#)