

18NXB1200

NEW 18" Neodymium Woofer, 4" voice coil, 1200 W, 97.5 dB



KEY FEATURES:

- 97.5 db 1W / 1m average sensitivity
- 100 mm high temperature sandwich voice coil
- 2400 W AES program power
- Vented neodymium magnet assembly with massive heatsink
- Triple aluminium demodulating rings for lower THD and improved heat dissipation
- Double silicone spider for improved excursion control and linearity
- Water protected cone (front)

PART NUMBER: 11118N0308

Application : High Power Bass

The **18NXB1200** neodymium bass loudspeaker is specially designed to deliver very high impact bass response, with exceptional high power capacity. It incorporates an 4" sandwich voice coil, double silicone spider assembly, carbone paper cone and die cast vented aluminium frame. It has powerful, vented neodymium magnetic structure with massive heatsink which reduce power compression. With used in triple demodulating rings is dramatically reduced the THD. The result is high efficient transducer for subwoofer applications, with the ability to handle very high excursion with low distortion and reduced thermal power compression.

SPECIFICATIONS

Nominal Diameter	18"/461 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.88 Ohm
Power Capacity AES ¹	1200 W
Program Power ²	2400 W
Sensitivity	(50-200 Hz) 97.5 dB/W/m
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm
Voice Coil Material	Copper
Voice Coil Former	Glassfiber
V.C. Winding Depth	31 mm
Magnet Gap Depth	14 mm
Cone Material	Carbone paper
Basket	Die cast aluminium
Magnet	Neodymium
Flux Density	1.05 T

THIELE-SMALL PARAMETERS

Fs	35.83 Hz
Qms	9.24
Qes	0.291
Qts	0.282
Vas	159.61 Litres
Mms	212.81 grams
Re	5.30 Ohms
Sd	1158 cm ²
Xmax*	± 11.5 mm
Cms	0.0927 mm/N
BL	29.35 T.m
Le at 1kHz	1.29 mH

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 180 L box enclosure tuned 43 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: $(H_{vc} - H_g)/2 + H_g/4$ where H_{vc} is the voice coil depth and H_g is the gap depth.

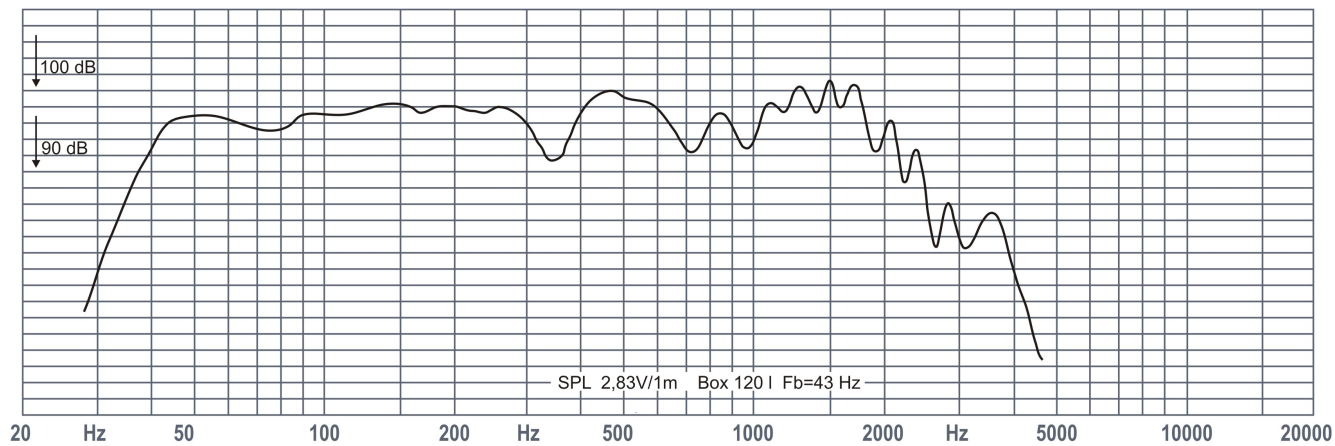
MOUNTING INFORMATION

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	222.5 mm
Net Weight	8.95 kg

RECONE KIT:

RK18NXB1200 - Part No: R1118N0308

Frequency Response



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