OBERTON
Professional Loudspeakers

KEY FEATURES:

- **96 db 1W / 1m average sensitivity**
- **51 mm high temperature voice coil**
- **400 W AES program power**
- **Double aluminium demodulating rings for lower distortion and inductance and improved transient response**
- **Water protected cone (front)**

PART NUMBER:

6NMB200V - 8 ohm - 11106N0108

6NMB200V - 16 ohm - 11106N0116

Application : Power midbass speaker

The 6NMB200V is high efficiency, high power midbass neodymium loudspeaker , specially designed to use in compact 2 way boxes and line array systems. It features 51 mm aluminium voice coil, vented aluminium die cast frame with powerful neodymium magnet structure, which achieved very light weight of the speaker. Using of double aluminium demodulating rings on the magnet structure reduce dramatically distortion and inductance and improve transient response.

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SPECIFICATIONS

Nominal Diameter 6.5"/170 inch/mm
Impedance 16 Ohm
Minimum Impedance 12.48 Ohm
Power Capacity AES [1] 200 W
Program Power [2] 400 W
Sensitivity (200-3000 Hz) 96 dB/W/m
Frequency Range 200 - 5000 Hz
Voice Coil Diameter 51 mm (2”)
Voice Coil Material Aluminium
Voice Coil Former Glassfiber
V. C. Winding Depth 12.5 mm
Magnet Gap Depth 7 mm
Cone Material Paper with carbon fibers
Basket Die cast aluminium
Magnet Neodymium
Flux Density 1.37 T

THIELE-SMALL PARAMETERS

Fs 79 Hz
Qms 5.82
Qes 0.279
Qts 0.267
Vas 9.53 Litres
Mms 12.19 grams
Re 10.70 Ohms
Sd 139 cm2
Xmax* ± 4.5 mm
Cms 0.333 mm/N
BL 15.22 T.m
Le at 1kHz 0.383 mH

MOUNTING INFORMATION

Overall Diameter 185 mm
Baffle Hole Diameter 145 mm
Mounting Holes 4 eliptic 5.5 / 6.5 mm
Bolt Circle Diameter 170/172 mm
Overall Depth 81.8 mm
Net Weight 1.55 kg

RECONE KIT:

RK6NMB200V - 8 ohm - Part No: R1106N0108

RK6NMB200V - 16 ohm - Part No: R1106N0116

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 9 L box enclosure tuned 60 Hz using a 50-1000 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.*

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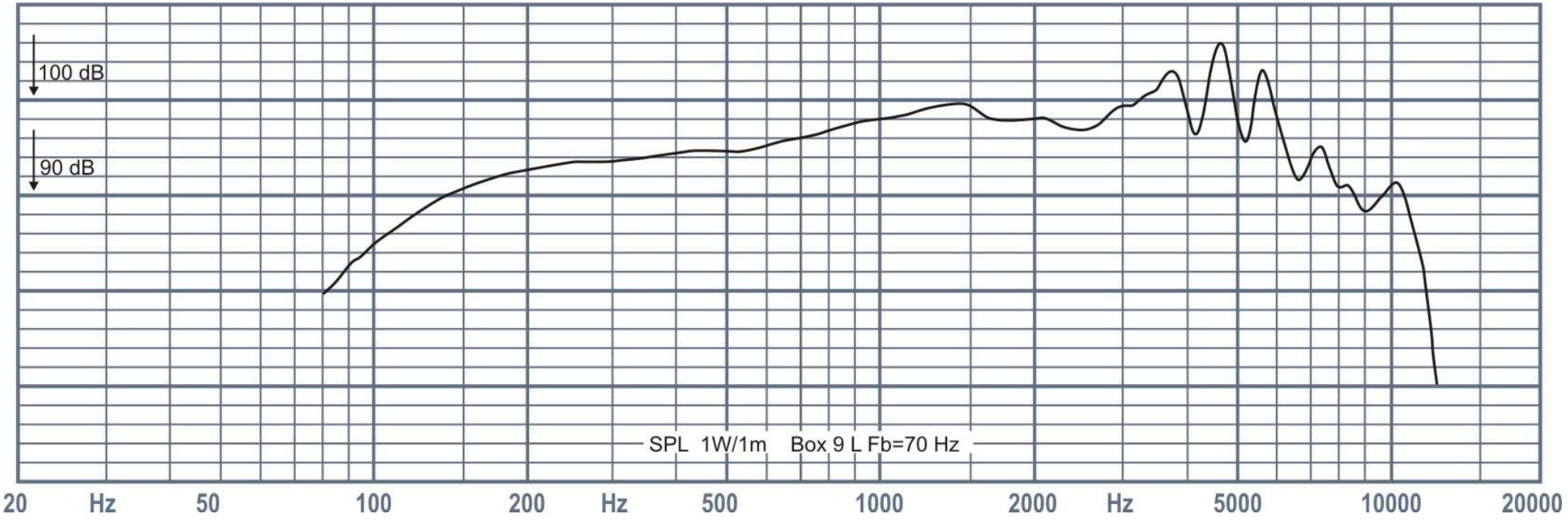
Frequency Responce



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Drawings