OBERTON
Professional Loudspeakers

95 db 1W / 1m average sensitivity
51 mm high temperature voice coil
400 W AES program power
Water protected cone (front)

Application : Power midbass speaker

The **6NMB200** is high efficiency, high power midbass neodymium loudspeaker , specially designed to use in 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.

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SPECIFICATIONS

Nominal Diameter	6.5"/170 inch/mm
Impedance	16 Ohm
Minimum Impedance	12.79 Ohm
Power Capacity AES [1]	200 W
Program Power [2]	400 W
Sensitivity	(200-3000 Hz) 95 dB/W/m
Frequency Range	20 – 5000 Hz
Voice Coil Diameter	51 mm
Voice Coil Material	Aluminium
Voice Coil Former	Glass fiber
Voice Coil Winding Depth	12.5 mm
Magnet Gap Depth	7 mm
Cone Material	Paper with glassfiber
Basket	Die cast aluminium
Magnet	Neodymium
Flux Density	1.65 T

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 9 L box enclosure tuned 70 Hz using a 100-2000 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.

THIELE-SMALL PARAMETERS

Resonance Frequency	91.49 Hz
Mechanical Efficiency Factor (Qms)	10.18
Electrical Efficiency Factor (Qes)	0.243
Total Q (Qts)	0.238
Equivalent Air Volume (Vas)	4,94 Litres
Diaphragm mass ind. airload (Mms)	14,15 grams
Voice Coil Resistance Re	10,60 Ohms
Effective Diagram Area (Sd)	139 cm2
Peak Linear Displacement of Diaphragm (Xmax)*	± 4.5 mm
Mechanical Compliance of Suspension (Cms)	0.214 mm/N
BL Product (BL)	18,83 T.m
V.C. Inductance at 1 kHz (Le)	0.18 mH

MOUNTING INFORMATION

Overall Diameter	185 mm
Baffle Hole Diameter	145 mm
Number of Mounting Holes	4 elliptic 5.5 / 6.5 mm
Bolt Circle Diameter	170/172 mm
Overall Depth	82.5 mm
Net Weight	1.64 kg

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Frequency responce

100 dB

90 dB

SPL 2,83V/1m Box 9L Fb=70Hz

20 Hz 50 100 200 Hz 500 1000 2000 Hz 5000 10000 20000

ToutLeHautParleur.com

Ø171

R81

Ø185

7

Ø145

Ø98

10.5

82.5

OBERTON

model: 6NMB200

Dimensions are in mm | Scale: 1:2