



KEY FEATURES:

98 db 1W / 1m average sensitivity

64 mm high temperature voice coil

400 W AES program power

Vented neodymium magnet assembly

Double aluminium demodulating ring for lower distortion and improved heat dissipation

Water protected cone (front)

Very light weight

Application : Power midbass speaker

The **10NMB200** neodymium loudspeaker is primary designed to be used bass reflex and hybrid boxes. It features aluminium die cast frame with vented neodymium light weight magnet structure with two demodulating rings.

SPECIFICATIONS

Nominal Diameter	10"/262 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.55 Ohm
Power Capacity AES ¹	200 W
Program Power ²	400 W
Sensitivity	(200-2000 Hz) 98 dB/W/m
Frequency Range	70 - 4000 Hz
Voice Coil Diameter	64 mm
Voice Coil Material	Aluminium
Voice Coil Former	Kapton™
Voice Coil Winding Depth	12.5 mm
Magnet Gap Depth	8 mm
Cone Material	Paper
Basket	Die cast aluminium
Magnet	Neodymium
Flux Density	1.15 T

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 30 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.

THIELE-SMALL PARAMETERS

Resonance Frequency	58.67 Hz
Mechanical Efficiency Factor (Qms)	8.92
Electrical Efficiency Factor (Qes)	0.327
Total Q (Qts)	0.316
Equivalent Air Volume (Vas)	34.93 Litres
Diaphragm mass ind. airload (Mms)	30.21 grams
Voice Coil Resistance Re	5.82 Ohms
Effective Diagram Area (Sd)	317.3 cm ²
Peak Linear Displacement of Diaphragm (Xmax)*	±4.25 mm
Mechanical Compliance of Suspension (Cms)	0.244 mm/N
BL Product (BL)	14.07 T.m
V.C. Inductance at 1 kHz (Le)	0.53 mH

MOUNTING INFORMATION

Overall Diameter	262 mm
Baffle Hole Diameter	228 mm
Number of Mounting Holes	8 with dia. 7 mm
Bolt Circle Diameter	244 mm
Overall Depth	107 mm
Net Weight	2.36 kg

Frequency Responce



