



KEY FEATURES:

- 99 db 1W / 1m average sensitivity
- 88 mm high temperature aluminium voice coil
- 1200 W AES program power
- Vented neodymium magnet assembly with very light weight
- Two aluminium demodulating rings for lower distortion and improved heat dissipation
- Silicone spider
- Water protected cone (front side)
- Epoxy anti-corrosion coating of top and back plates of magnet structure

PART NUMBER: 11112N0508

Application : Midbass

The **12NMB35** loudspeaker is combining good linearity and efficiency with high power handling capabilities, with use of new 3.5" (88 mm) aluminium voice coil. It features vented aluminium die cast frame, neodymium magnet assembly with very light weight with two demodulating rings and curvilinear paper cone. **12NMB35** is suitable for application as LF driver in power stage monitors and 2- way PA boxes.

SPECIFICATIONS

Nominal Diameter	12"/315 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.75 Ohm
Power Capacity AES ¹	600 W
Program Power ²	1200 W
Sensitivity	(200 -2000 Hz) 99 dB/W/m
Frequency Range	50 - 3000 Hz
Voice Coil Diameter	88 mm
Voice Coil Material	Aluminium
Voice Coil Former	Glassfiber
V. C. Winding Depth	19 mm
Magnet Gap Depth	11 mm
Cone Material	Paper with Kevlar + glass fibers
Basket	Die Cast Aluminium
Magnet	Neodymium
Flux Density	1.05 T

¹. AES standard. Power is calculated on rated minimum impedance. Measurement is in 65 L box enclosure tuned 63 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.

³ 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

Fs	54,42 Hz
Qms	7,41
Qes	0,38
Qts	0,36
Vas	54,29 Litres
Mms	58,28 grams
Re	5,5 Ohms
Sd	514,7 cm ²
Xmax ³	±6.75 mm
Cms	0,1468 mm/N
BL	17,00 T.m
Le at 1kHz	1,01 mH

MOUNTING INFORMATION

Overall Diameter	315 mm
Baffle Hole Diameter	280 mm
Mounting Holes	8 elliptic 7x8 mm
Bolt Circle Diameter	296 / 298 mm
Overall Depth	156 mm
Net Weight	5.05 kg.

Frequency Response

