



KEY FEATURES:

99.5 db 1W / 1m average sensitivity

88 mm high temperature 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

Double silicone spider for improved excursion control and linearity

Application : High power midbass

15NMB35 loudspeaker combining good linearity and efficiency with high power handling capabilities, with use of 88 mm aluminium voice coil and double spider. It features aluminium die cast frame with integrated two demodulating rings and vented neodymium light weight magnet structure. 15NMB35 is suitable for application in a wide variety of enclosure types and particularly as LF driver in 2- or 3- way boxes. Used new 3.5" voice coil reduces power compression at the high power handling compared with classic 3" voice coil.

SPECIFICATIONS

Nominal Diameter	15"/388 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.1 Ohm
Power Capacity AES ¹	600 W
Program Power ²	1200 W
Sensitivity	(200-2000 Hz) 99.5 dB/W/m
Frequency Range	45 - 3000 Hz
Voice Coil Diameter	88 mm
Voice Coil Material	Aluminium
Voice Coil Former	Kapton™
Voice Coil Winding Depth	19 mm
Magnet Gap Depth	11 mm
Cone Material	Paper with glassfiber
Basket	Die Cast Aluminium
Magnet	Neodymium
Flux Density	1.05 T

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 125 L box enclosure tuned 56 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.

THIELE-SMALL PARAMETERS

Resonance Frequency	44.07 Hz
Mechanical Efficiency Factor (Qms)	9.56
Electrical Efficiency Factor (Qes)	0.35
Total Q (Qts)	0.337
Equivalent Air Volume (Vas)	134.81 litres
Diaphragm mass ind. airload (Mms)	92.95 grams
Voice Coil Resistance Re	5.17 Ohms
Effective Diagram Area (Sd)	829.6 cm ²
Peak Linear Displacement of Diaphragm (Xmax)*	±6.75 mm
Mechanical Compliance of Suspension (Cms)	0.1403 mm/N
BL Product (BL)	19,50 T.m
V.C. Inductance at 1 kHz (Le)	0.764 mH

MOUNTING INFORMATION

Overall Diameter	388 mm
Baffle Hole Diameter	354 mm
Number of Mounting Holes	8 elliptic 7x8 mm
Bolt Circle Diameter	370/372 mm
Overall Depth	172 mm
Net Weight	5.32 kg

Frequency Response



