



KEY FEATURES:

- 98 db 1W / 1m average sensitivity
- 88 mm high temperature aluminium voice coil
- 1400 W AES program power
- Powerful, vented 200 mm magnet structure
- Double aluminium demodulating rings for lower distortion and improved heat dissipation
- Silicone spider
- Epoxy anti-corrosion coating of top and back plates of magnet structure

PART NUMBER: 11112F0108

Application :

The **12MB35** 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, 200 mm ferrite magnet structure with double demodulating rings and curvilinear paper cone. **12MB35** 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 | 6.15 Ohm |
| Power Capacity AES ¹ | 700 W |
| Program Power ² | 1400 W |
| Sensitivity | (200-2000 Hz) 98 dB/W/m |
| Frequency Range | 50 - 2500 Hz |
| Voice Coil Diameter | 88 mm |
| Voice Coil Material | Aluminium |
| Voice Coil Former | Kapton™ |
| V. C. Winding Depth | 19 mm |
| Magnet Gap Depth | 11 mm |
| Cone Material | Paper |
| Basket | Die cast aluminium |
| Magnet | Ferrite |
| Flux Density | 1.18 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.

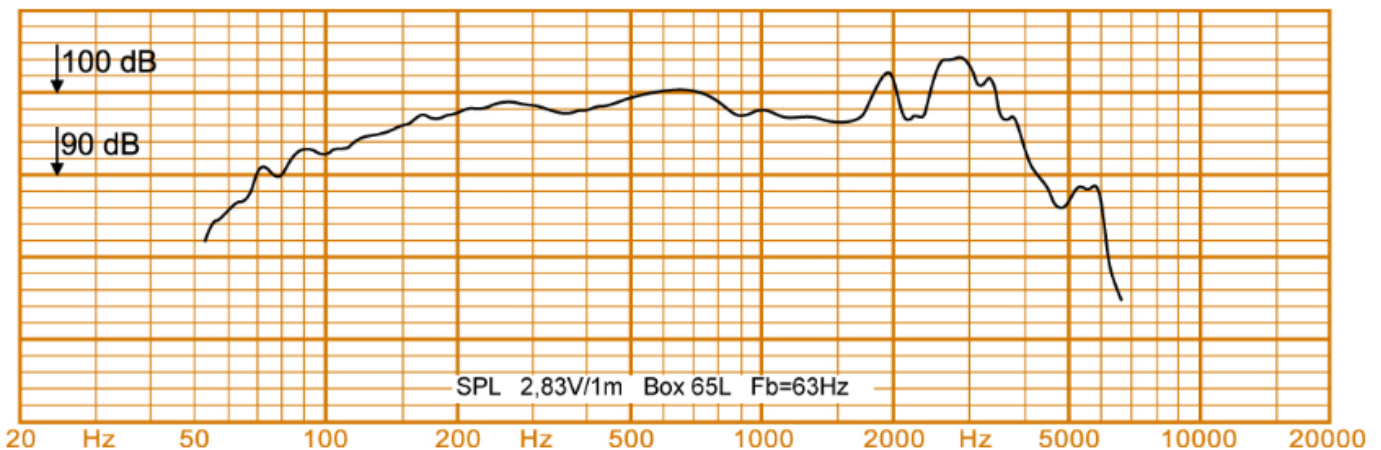
³ Linear Mathematical Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.

THIELE-SMALL PARAMETERS

| | |
|-------------------|-----------------------|
| Fs | 51.43 Hz |
| Qms | 13.58 |
| Qes | 0.272 |
| Qts | 0.267 |
| Vas | 50.07 Litres |
| Mms | 70.76 grams |
| Re | 5.00 Ohms |
| Sd | 514.7 cm ² |
| Xmax ³ | ±6.75 mm |
| Cms | 0.135 mm/N |
| BL | 20.50 T.m |
| Le at 1kHz | 0.68 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 | 155 mm |
| Net Weight | 8.5 kg |



Frequency Response