



KEY FEATURES:

- 97 db 1W / 1m average sensitivity
- 77 mm high temperature aluminium voice coil
- 1000 W AES program power
- Double aluminium demodulating rings for lower distortion and improved heat dissipation
- Powerful, ferrite 180 mm magnet structure
- Water protected cone (front)

PART NUMBER: 11110F0108

Application : Power midbass speaker

The 10MB500 loudspeaker is combining good linearity and efficiency with high power handling capabilities, with use of 77 mm aluminium voice coil. It features aluminium die cast frame, 180 mm ferrite magnet structure and curvilinear paper cone with water protection (front). The double aluminium demodulating rings on the magnet structure reduce distortion and inductance and improve transient response. 10MB500 is suitable for application as LF driver in compact 2- way PA boxes with 1" HF driver.

SPECIFICATIONS

Nominal Diameter 10"/262 inch/mm
Impedance 8 Ohm
Minimum Impedance 6.05 Ohm
Power Capacity AES ¹ 500 W
Program Power ² 10000 W
Sensitivity (200-2000 Hz) 97 dB/W/m
Frequency Range 65 - 3000 Hz
Voice Coil Diameter 77 mm (3")
Voice Coil Material Aluminium
Voice Coil Former Glassfiber
V. C. Winding Depth 20 mm
Magnet Gap Depth 7 mm
Cone Material Paper
Basket Die cast aluminium
Magnet Ferrite
Flux Density 1.25 T

THIELE-SMALL PARAMETERS

Fs 65.95 Hz
Qms 9.46
Qes 0.316
Qts 0.306
Vas 2.08 Litres
Mms 37.85 grams
Re 4.81 Ohms
Sd 317.3 cm²
Xmax* ± 8.25 mm
Cms 0.154 mm/N
BL 15.45 T.m
Le at 1kHz 0.333 mH

MOUNTING INFORMATION

Overall Diameter 263 mm
Baffle Hole Diameter 225 mm
Mounting Holes 8 diam 7 mm
Bolt Circle Diameter 240 mm
Overall Depth 116.5 mm
Net Weight 6.2 kg

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.

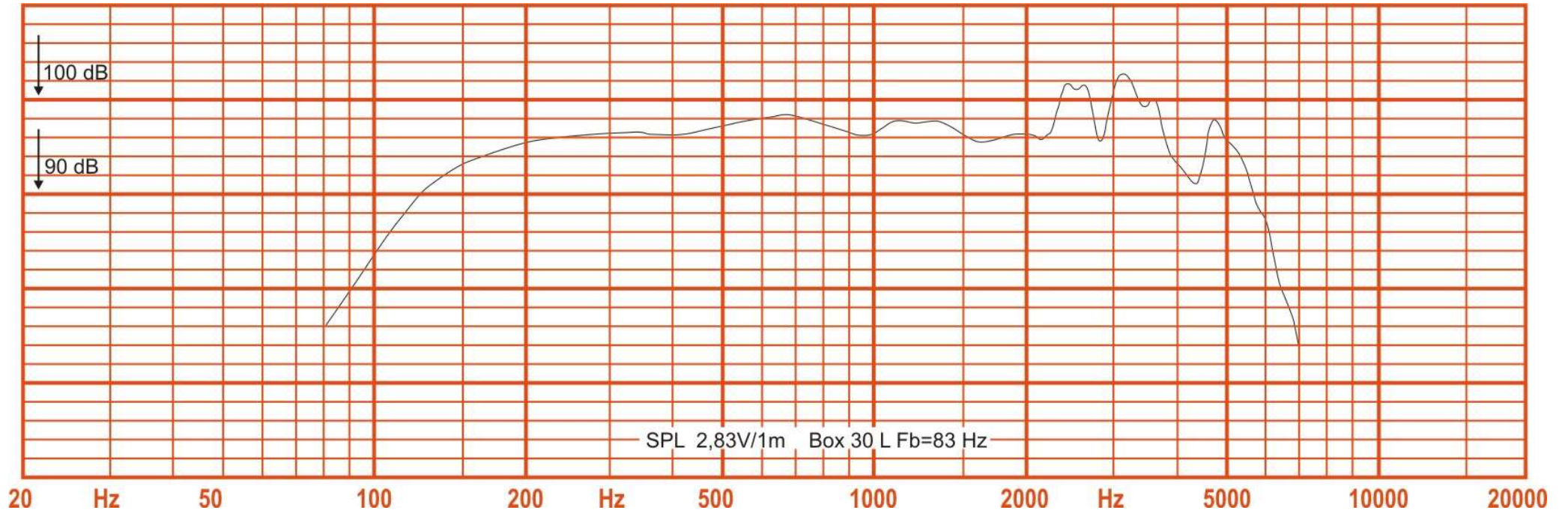
* Linear Mathematical Xmax is calculated as: $(H_{vc} - H_g)/2 + H_g/4$ where H_{vc} is the voice coil depth and H_g is the gap depth.

RECONE

RK10MB500 - Part No: R1110F0108

KIT:

Frequency Responce



Drawings

