# M2108

## HIGH POWER LOW DISTORTION EXTENDED LOW FREQUENCY TRANSDUCER.

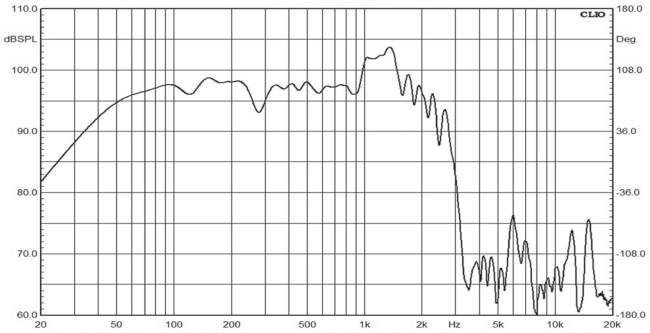
**Main features:**

· aluminum die-cast frame with improved voice coil ventilation;
· removable self-centering ferrite magnet system;
· inside-outside copper voice coil;
· ventilated voice coil gap;
· double aluminum demodulation ring;
· glass fiber reinforced weather protected cone.

**Main specifications:**

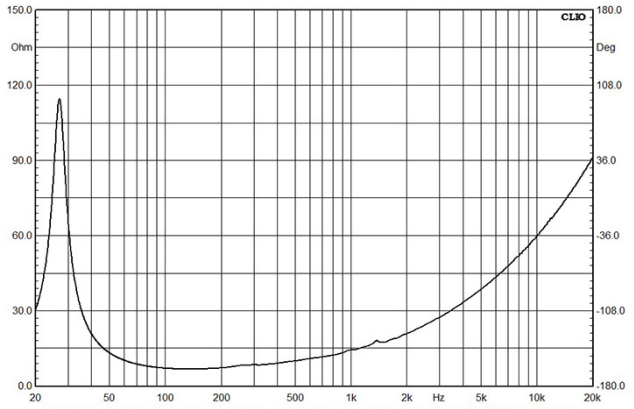
· 21" nominal diameter;
· 3200 W AES program power;
· 97,5 dB 1W/1m sensitivity;
· 4,5" copper voice coil;
· 16,2 kg weight.

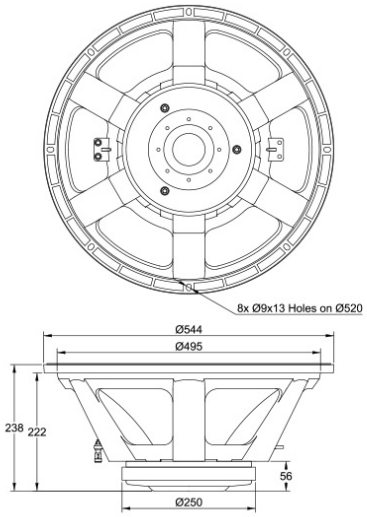
Frequency response




Frequency response measured in a 1200 litre sealed box @ 2,83 v - 1m, 2 ϖ

Free air impendance




* Rated power is determinited according to AES2 - 1984 (r2003) standard.
** TS parameters are measured after a preconditioning power test.
*** Xmax is calculated as: (Hvc - Hg) / 2 + Hg / 4 where Hvc is the voice coil winding depth and Hg is the gap depth.

Specifications

| | |
|---|---|
| Nominal diameter, inches (mm) | 21(530) |
| Nominal impedance, Ohm | 8 |
| Rated power (AES), W | 1600* |
| Frequency range, Hz | 25-1000 |
| Sensitivity (1W / 1m), dB | 97,5 |
| Minimum impedance, Ohm | 6,7@130Hz |
| Bl product, Tm | 30,5 |
| Voice coil inductance, mH (1kHz) | 1,5 |
| Moving mass Mms, g | 348 |

Voice coil and Magnetic system

| | |
|---|---|
| Diameter, inches (mm) | 4,5(115) |
| Winding material | copper |
| Former material | glass fiber |
| Winding depth, mm | 30 |
| Magnetic gap depth, mm | 12 |
| Flux density, T | 1,05 |

Thiele-Small parameters **

| | |
|---|---|
| Fs, Hz | 26,9 |
| Vas, l | 388 |
| Qts | 0,32 |
| Qes | 0,33 |
| Qms | 6,8 |
| Re, Ohm | 5,4 |
| Sd, cm² | 1662 |
| Xmax, mm | 12*** |
| n, % | 2,2 |

Mounting information

| | |
|---|---|
| Overall diameter, mm | 545 |
| Baffle cutout diameter, mm | 494 |
| Bolt hole diameter, mm | 8 |
| Bolt circle diameter, mm | 520 |
| Height, mm | 240 |
| Net weight, kg | 16,2 |

info@mag-audio.com **www.mag-audio.com**
Tel./Fax: +38 044 277-47-89