



M1540

LOW FREQUENCY TRANSDUCER FOR 2-WAY AND BASS REFLEX SYSTEM.



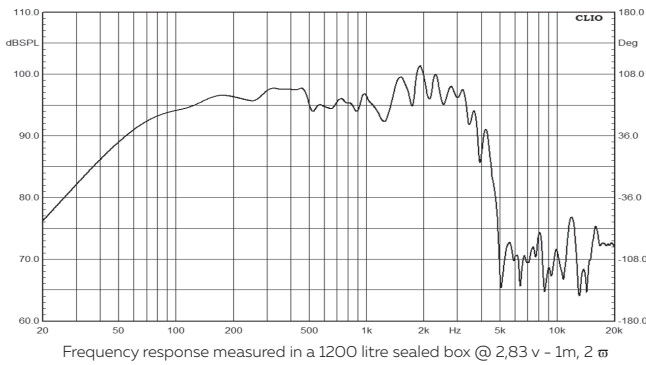
Main features:

- aluminum die-cast frame;
- removable self-centering ferrite magnet system with ventilated gap;
- inside-outside copper voice coil.
- double silicon spider.

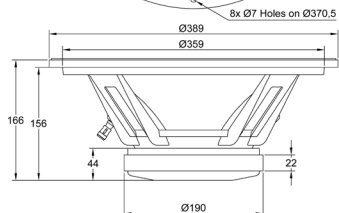
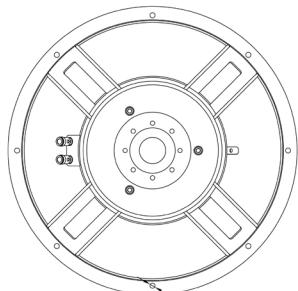
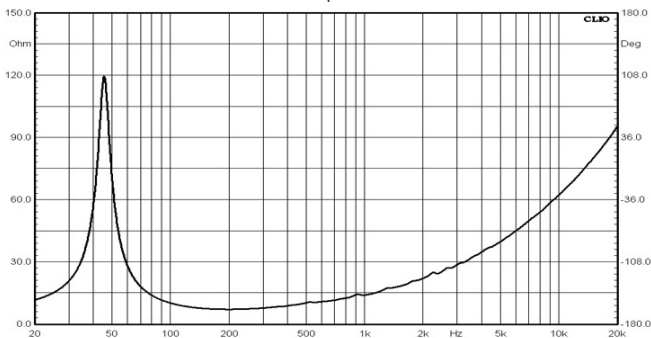
Main specifications:

- 15" nominal diameter;
- 800 W AES program power;
- 97,5 dB 1W/1m sensitivity;
- 3" copper voice coil;
- 7,5 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	4/8
Rated power (AES), W	400*
Frequency range, Hz	40-2500
Sensitivity (1W / 1m), dB	97,5
Minimum impedance, Ohm	7,1@195Hz
Bl product, Tm	23,2
Voice coil inductance, mH (1kHz)	1,34
Moving mass Mms, g	119

Diameter, inches (mm)	3(76)
Winding material	copper
Former material	glass fiber
Winding depth, mm	17
Magnetic gap depth, mm	10
Flux density, T	1,25

Fs, Hz	45,5
Vas, l	114
Qts	0,36
Qes	0,37
Qms	7,46
Re, Ohm	6
Sd, cm²	892
Xmax, mm	6***
n, %	2,7

Overall diameter, mm	389
Baffle cutout diameter, mm	358
Bolt hole diameter, mm	7
Bolt circle diameter, mm	370,5
Height, mm	168
Net weight, kg	7,5

Specifications

Voice coil and Magnetic system

Thiele-Small parameters**

Mounting information

* Rated power is determined 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.