



M1502R

EXTENDED LOW FREQUENCY TRANSDUCER FOR BASS REFLEX AND BAND PASS SYSTEM



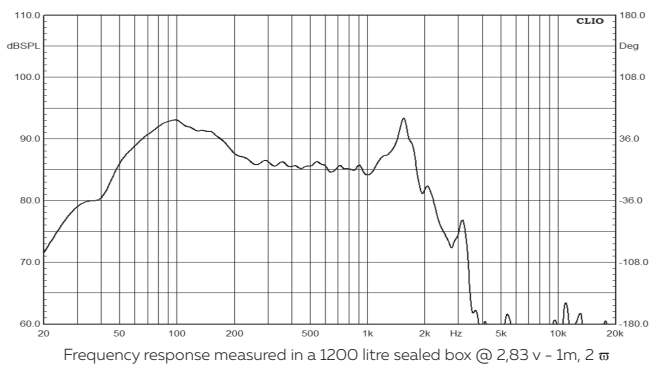
Main features:

- aluminum die-cast frame;
- removable self-centering ferrite magnet system;
- inside-outside copper voice coil.
- rubber surround suspension system.

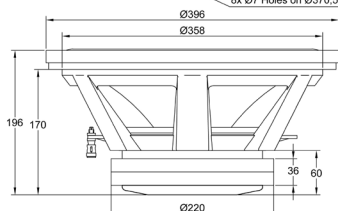
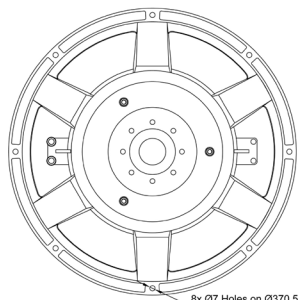
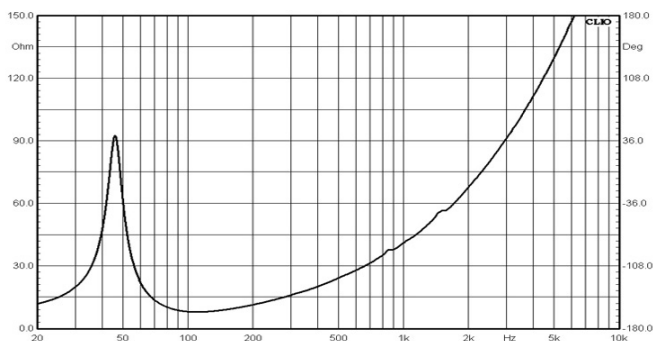
Main specifications:

- 15" nominal diameter;
- 2000 W AES program power;
- 92 dB 1W/1m sensitivity;
- 3" copper voice coil;
- 11,4 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	8
Rated power (AES), W	1000*
Frequency range, Hz	30-500
Sensitivity (1W / 1m), dB	92
Minimum impedance, Ohm	8@110Hz
Bl product, Tm	32,5
Voice coil inductance, mH (1kHz)	6,5
Moving mass Mms, g	296

Diameter, inches (mm)	3(76)
Winding material	copper
Former material	glass fiber
Winding depth, mm	29
Magnetic gap depth, mm	12
Flux density, T	0,9

Fs, Hz	46
Vas, l	34,5
Qts	0,47
Qes	0,5
Qms	7,3
Re, Ohm	6,3
Sd, cm²	780
Xmax, mm	11,5***
n, %	0,65

Overall diameter, mm	395
Baffle cutout diameter, mm	358
Bolt hole diameter, mm	7
Bolt circle diameter, mm	370,5
Height, mm	196
Net weight, kg	11,4

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.