



M1541

LOW FREQUENCY LOW DISTORTION TRANSDUCER FOR BASS REFLEX AND BAND PASS SYSTEM



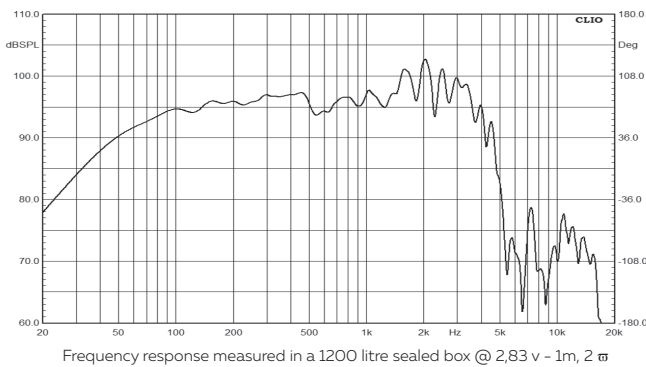
Main features:

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

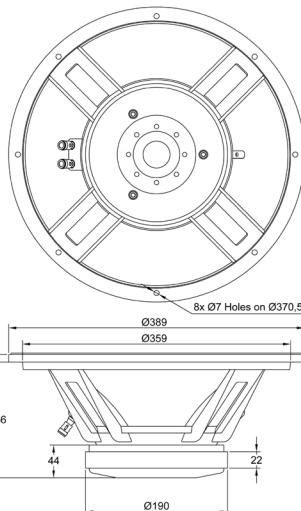
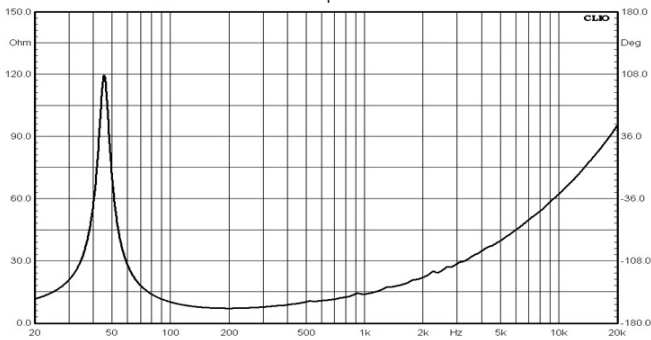
Main specifications:

- 15" nominal diameter;
- 1000 W AES program power;
- 97 dB 1W/1m sensitivity;
- 3" copper voice coil;
- 7,6 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	8
Rated power (AES), W	500*
Frequency range, Hz	40-2500
Sensitivity (1W / 1m), dB	97
Minimum impedance, Ohm	7,6@180Hz
Bl product, Tm	22,2
Voice coil inductance, mH (1kHz)	0,77
Moving mass Mms, g	124

Diameter, inches (mm)	3(76)
Winding material	copper
Former material	glass fiber
Winding depth, mm	21
Magnetic gap depth, mm	10
Flux density, T	1,22

Fs, Hz	39,8
Vas, l	137
Qts	0,35
Qes	0,38
Qms	6,1
Re, Ohm	6
Sd, cm²	871
Xmax, mm	8***
n, %	2,2

Overall diameter, mm	389
Baffle cutout diameter, mm	356
Bolt hole diameter, mm	7
Bolt circle diameter, mm	370,5
Height, mm	167
Net weight, kg	7,6

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.