



M1503

EXTENDED LOW FREQUENCY TRANSDUCER FOR BASS REFLEX AND BAND PASS SYSTEM



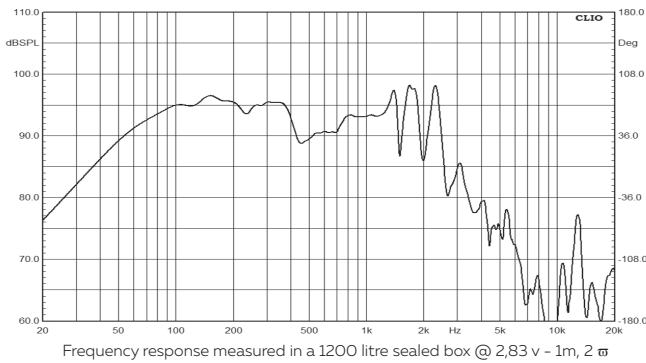
Main features:

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

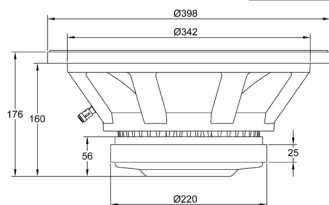
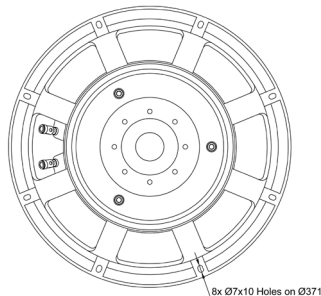
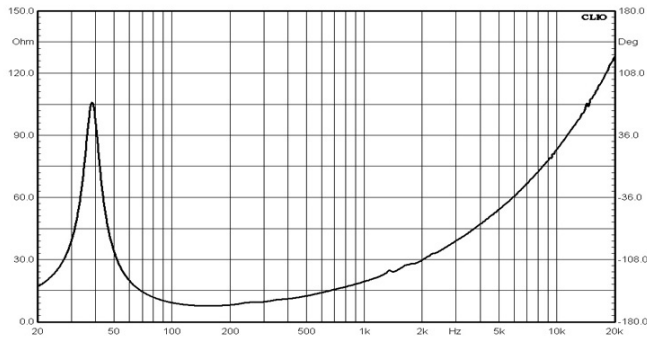
Main specifications:

- 15" nominal diameter;
- 2000 W AES program power;
- 96 dB 1W/1m sensitivity;
- 4" copper voice coil;
- 12 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	4/8
Rated power (AES), W	1000*
Frequency range, Hz	35-500
Sensitivity (1W / 1m), dB	99
Minimum impedance, Ohm	6,9@135Hz
Bl product, Tm	25,8
Voice coil inductance, mH (1kHz)	2,4
Moving mass Mms, g	151

Diameter, inches (mm)	4(99)
Winding material	copper
Former material	glass fiber
Winding depth, mm	25
Magnetic gap depth, mm	12
Flux density, T	1,08

Fs, Hz	38,2
Vas, l	91
Qts	0,29
Qes	0,31
Qms	5,6
Re, Ohm	5,64
Sd, cm²	755
Xmax, mm	9,5***
n, %	1,58

Overall diameter, mm	398
Baffle cutout diameter, mm	342
Bolt hole diameter, mm	7
Bolt circle diameter, mm	371
Height, mm	176
Net weight, kg	12

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.