



M1251

HIGH OUTPUT LOW DISTORTION MID BASS TRANSDUCER FOR COMPACT 2-WAY SPEAKERS



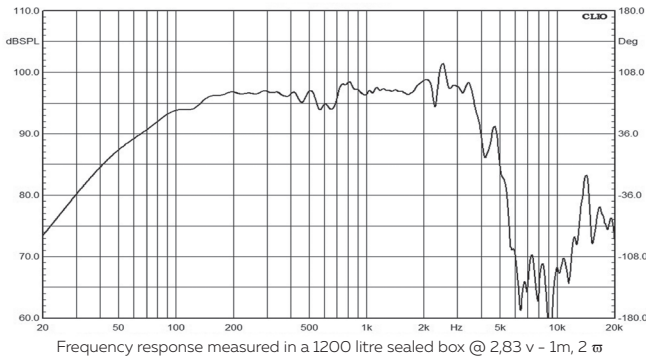
Main features:

- aluminum die-cast octagonal frame with small installation dimensions;
- removable self-centering ferrite magnet system;
- ventilated voice coil gap;
- double aluminum demodulation ring.

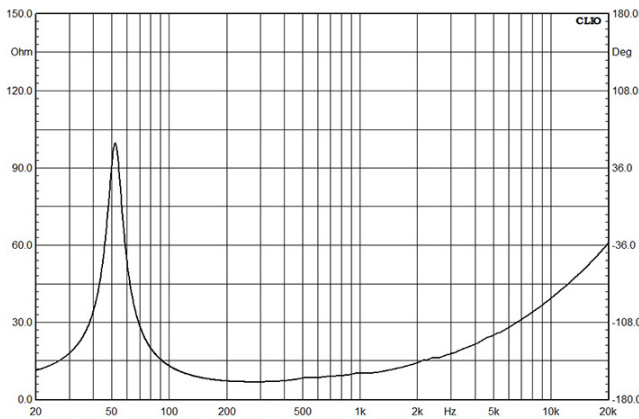
Main specifications:

- 12" nominal diameter;
- 1000 W AES program power;
- 97,5 dB 1W/1m sensitivity;
- 3" copper voice coil;
- 5,85 kg weight.

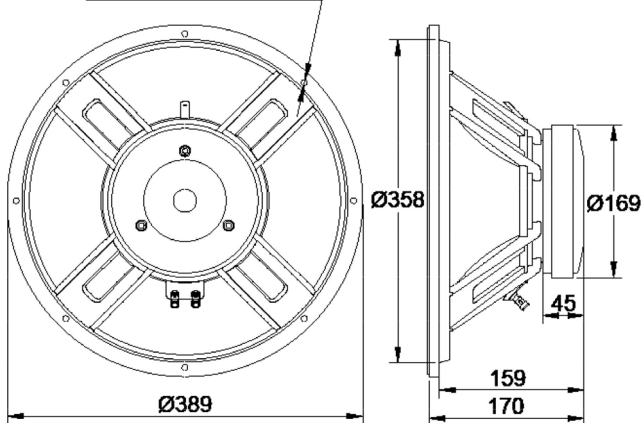
Frequency response



Free air impedance



8x Ø7 Holes on Ø370,5



Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	8/4
Rated power (AES), W	500*
Frequency range, Hz	45-3500
Sensitivity (1W / 1m), dB	97,5
Minimum impedance, Ohm	6.8@285Hz
Bl product, Tm	17
Voice coil inductance, mH (1kHz)	0,7
Moving mass Mms, g	48

Diameter, inches (mm)	3(76)
Winding material	CCAW
Former material	glass fiber
Winding depth, mm	19,2
Magnetic gap depth, mm	8
Flux density, T	1,27

Fs, Hz	51
Vas, l	75,7
Qts	0,29
Qes	0,31
Qms	5,6
Re, Ohm	5,7
Sd, cm²	519
Xmax, mm	7,6***
n, %	3,1

Overall diameter, mm	303/338
Baffle cutout diameter, mm	282
Bolt hole diameter, mm	6x8
Bolt circle diameter, mm	315
Height, mm	146
Net weight, kg	5,85

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.