M1551

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

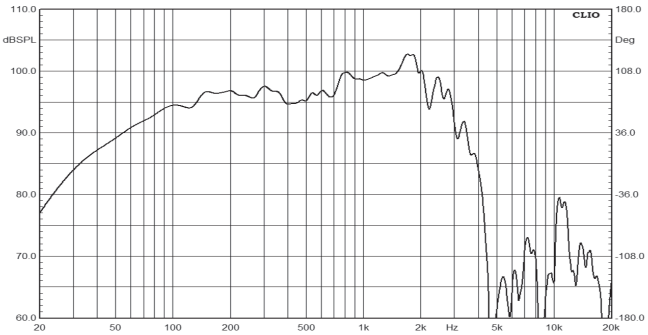
Main features:

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

Main specifications:

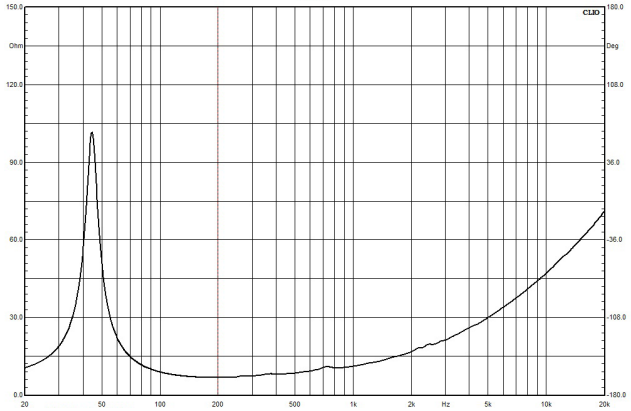
· 15" nominal diameter;
· 1000 W AES program power;
· 98 dB 1W/1m sensitivity;
· 3" CCAW voice coil;
· 6,6 kg weight.

Frequency response



Frequency response measured in a 1200 litre sealed box @ 2,83 v - 1m, 2 ϖ

Free air impendance



Specifications

Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	8/4
Rated power (AES), W	500*
Frequency range, Hz	50-2500
Sensitivity (1W / 1m), dB	98
Minimum impedance, Ohm	7,2@220Hz
Bl product, Tm	18,3
Voice coil inductance, mH (1kHz)	1
Moving mass Mms, g	95

Voice coil and Magnetic system

Diameter, inches (mm)	3(76)
Winding material	CCAW
Former material	glass fiber
Winding depth, mm	19,2
Magnetic gap depth, mm	10
Flux density, T	1,1

Thiele-Small parameters**

Fs, Hz	44
Vas, l	146
Qts	0,43
Qes	0,455
Qms	7,5
Re, Ohm	5,8
Sd, cm²	876
Xmax, mm	7***
n, %	2,6

Mounting information

Overall diameter, mm	422/390
Baffle cutout diameter, mm	354
Bolt hole diameter, mm	6/8
Bolt circle diameter, mm	398
Height, mm	164
Net weight, kg	6,6

* Rated power is determinited 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.

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