



M1516

MID BASS TRANSDUCER FOR COMPACT TWO WAY SPEAKERS



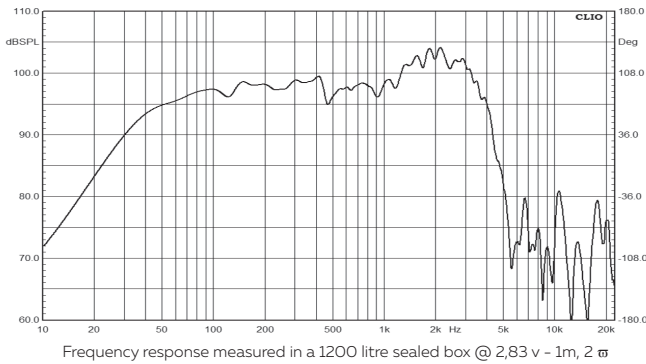
Main features:

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

Main specifications:

- 15" nominal diameter;
- 400 W AES program power;
- 98,5 dB 1W/1m sensitivity;
- 2" copper voice coil;
- 4,6 kg weight.

Frequency response



Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	8
Rated power (AES), W	200*
Frequency range, Hz	50-3500
Sensitivity (1W / 1m), dB	98,5
Minimum impedance, Ohm	7,2@200Hz
Bl product, Tm	17,7
Voice coil inductance, mH (1kHz)	0,92
Moving mass Mms, g	76

Specifications

Diameter, inches (mm)	2(51)
Winding material	cooper
Former material	glass fiber
Winding depth, mm	15
Magnetic gap depth, mm	8
Flux density, T	1,21

Voice coil and Magnetic system

Fs, Hz	41
Vas, l	184
Qts	0,36
Qes	0,38
Qms	5,2
Re, Ohm	6,1
Sd, cm ²	814
Xmax, mm	5,5***
n, %	3,2

Thiele-Small parameters**

Overall diameter, mm	389
Baffle cutout diameter, mm	356
Bolt hole diameter, mm	7
Bolt circle diameter, mm	370,5
Height, mm	160
Net weight, kg	4,6

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: $(H_{vc} - H_g) / 2 + H_g / 4$ where H_{vc} is the voice coil winding depth and H_g is the gap depth.