



M0821

MID BASS TRANSDUCER FOR COMPACT TWO-WAY AND MULTI-WAY SPEAKERS



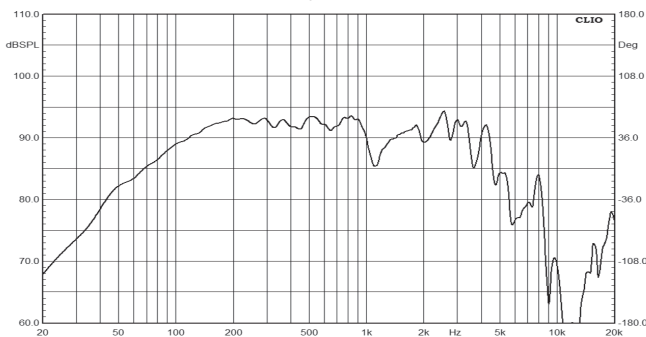
Main specifications:

- aluminum die-cast frame;
- removable self-centering ferrite magnet system;
- inside-outside copper voice coil;
- treated cone for water protection.

Main features:

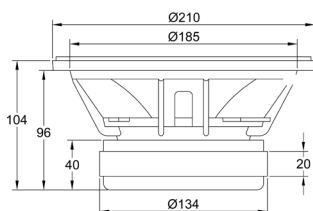
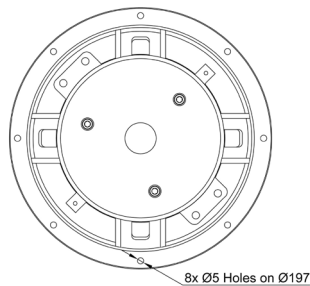
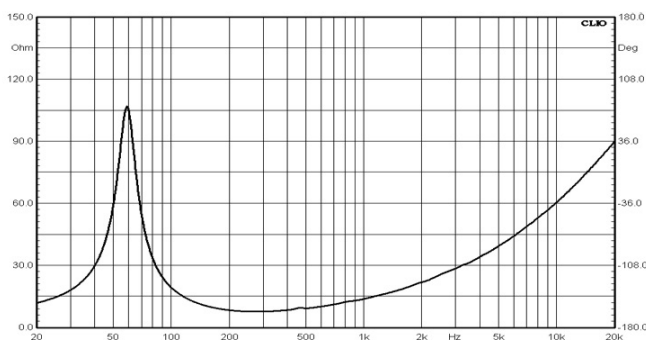
- 8" nominal diameter;
- 400 W AES program power;
- 93 dB 1W/1m sensitivity;
- 2" copper voice coil;
- 3,6 kg weight.

Frequency response



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

Free air impedance



Nominal diameter, inches (mm)	8(200)
Nominal impedance, Ohm	8/16
Rated power (AES), W	200*
Frequency range, Hz	65-4000
Sensitivity (1W / 1m), dB	93
Minimum impedance, Ohm	8,3@300Hz
Bl product, Tm	15,5
Voice coil inductance, mH (1kHz)	1,3
Moving mass Mms, g	28,7

Diameter, inches (mm)	2(51)
Winding material	cooper
Former material	glass fiber
Winding depth, mm	15
Magnetic gap depth, mm	10
Flux density, T	1,08

Fs, Hz	59,6
Vas, l	16,7
Qts	0,272
Qes	0,285
Qms	6,4
Re, Ohm	6,4
Sd, cm²	219
Xmax, mm	5***
n, %	1,2

Overall diameter, mm	209
Baffle cutout diameter, mm	185
Bolt hole diameter, mm	5,5
Bolt circle diameter, mm	196
Height, mm	109
Net weight, kg	3,6

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.