



M0830

MID BASS TRANSDUCER FOR COMPACT 2-WAY AND MULTI-WAY SPEAKERS



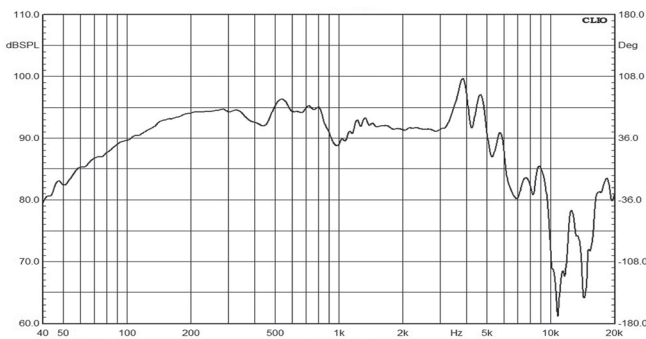
Main specifications:

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

Main features:

- 8" nominal diameter;
- 600 W AES program power;
- 94 dB 1W/1m sensitivity;
- 2,5" CCAW voice coil;
- 3,8 kg weight.

Frequency response



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

Nominal diameter, inches (mm)	8(200)
Nominal impedance, Ohm	8
Rated power (AES), W	300*
Frequency range, Hz	60-4000
Sensitivity (1W / 1m), dB	94
Minimum impedance, Ohm	6,5@310Hz
Bl product, Tm	12,8
Voice coil inductance, mH (1kHz)	0,91
Moving mass Mms, g	25,2

Specifications

Diameter, inches (mm)	2,5(64)
Winding material	CCAW
Former material	glass fiber
Winding depth, mm	16,3
Magnetic gap depth, mm	9
Flux density, T	1,05

Voice coil and Magnetic system

Fs, Hz	57,5
Vas, l	19,5
Qts	0,3
Qes	0,315
Qms	6,3
Re, Ohm	5,7
Sd, cm ²	210
Xmax, mm	6***
n, %	1,13

Thiele-Small parameters **

Overall diameter, mm	208/255
Baffle cutout diameter, mm	184
Bolt hole diameter, mm	8x5
Bolt circle diameter, mm	207
Height, mm	109
Net weight, kg	3,8

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.