



M0811

HIGH OUTPUT MID FREQUENCY TRANSDUCER FOR HORN AND MULTI-WAY SPEAKERS



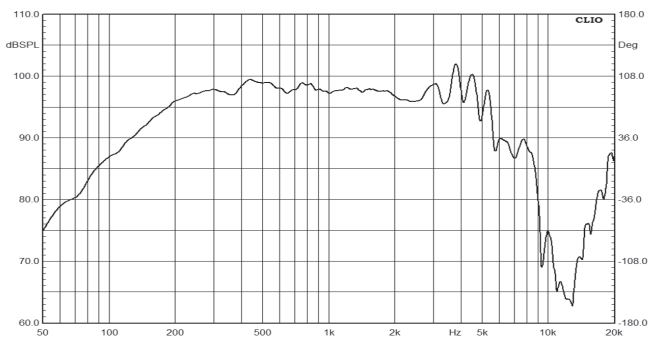
Main specifications:

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

Main features:

- 8" nominal diameter;
- 300 W AES program power;
- 98 dB 1W/1m sensitivity;
- 2" cooper voice coil;
- 4,3 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	8/16
Rated power (AES), W	150*
Frequency range, Hz	200-5000
Sensitivity (1W / 1m), dB	98
Minimum impedance, Ohm	7,8@630Hz
Bl product, Tm	16,2
Voice coil inductance, mH (1kHz)	1,1
Moving mass Mms, g	26,1

Specifications

Diameter, inches (mm)	2(51)
Winding material	cooper
Former material	glass fiber
Winding depth, mm	10
Magnetic gap depth, mm	9
Flux density, T	1,3

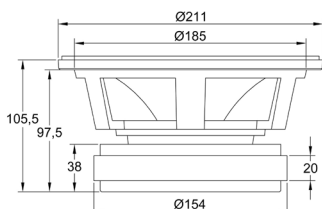
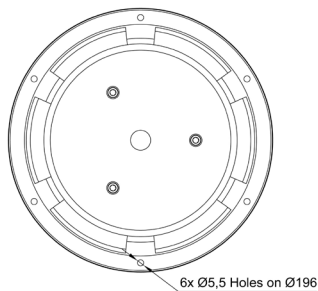
Voice coil and Magnetic system

Fs, Hz	220
Vas, l	1,6
Qts	0,71
Qes	0,78
Qms	8,3
Re, Ohm	5,7
Sd, cm²	241
Xmax, mm	2,75***
n, %	2,2

Thiele-Small parameters**

Overall diameter, mm	210
Baffle cutout diameter, mm	185
Bolt hole diameter, mm	5,5
Bolt circle diameter, mm	196
Height, mm	110
Net weight, kg	4,3

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.