



ND811

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



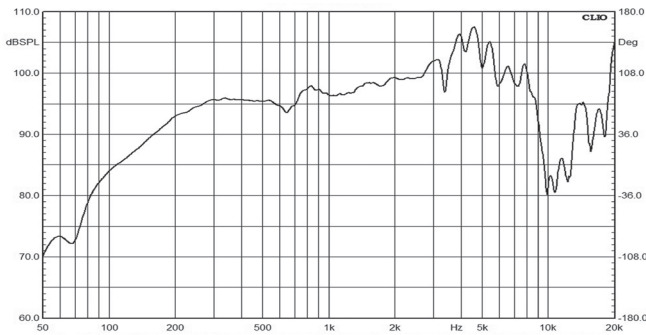
Main specifications:

- aluminum die-cast frame;
- removable self-centering neodymium magnet system;
- edgewound copper clad aluminum voice coil;
- shorting copper cap.

Main features:

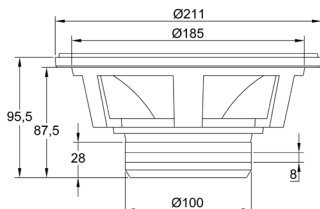
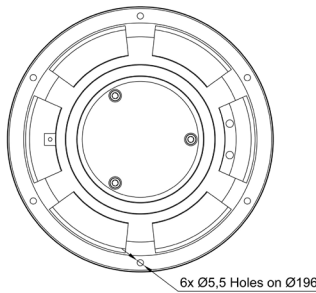
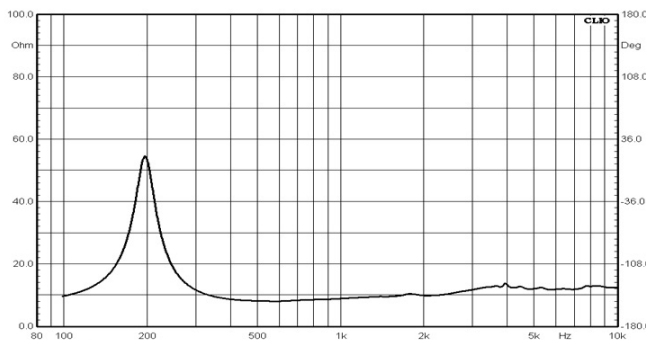
- 8" nominal diameter;
- 300 W AES program power;
- 99 dB 1W/1m sensitivity;
- 2" CCAR voice coil;
- 2 kg weight.

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	150*
Frequency range, Hz	200-5000
Sensitivity (1W / 1m), dB	99
Minimum impedance, Ohm	8@570Hz
Bl product, Tm	14,8
Voice coil inductance, mH (1kHz)	0,12
Moving mass Mms, g	21,1

Specifications

Diameter, inches (mm)	2(51)
Winding material	CCAR
Former material	glass fiber
Winding depth, mm	10
Magnetic gap depth, mm	9
Flux density, T	1,45

Voice coil and Magnetic system

Fs, Hz	200
Vas, l	2,5
Qts	0,69
Qes	0,76
Qms	7,5
Re, Ohm	6,3
Sd, cm ²	241
Xmax, mm	2,75***
n, %	2,5

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	93
Net weight, kg	2

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.