



CX8-1

COAXIAL TRANSDUCER FOR COMPACT ENCLOSURES AND STAGE MONITORS



Main features:

- combination of a 8" bass loudspeaker and a 1" diaphragm compression driver;
- aluminum die-cast octagonal shape frame;
- removable self-centering ferrite magnet system;
- inside-outside copper clad aluminum voice coil (LF unit).

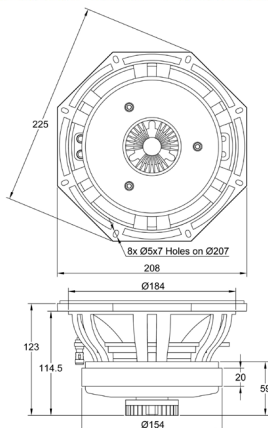
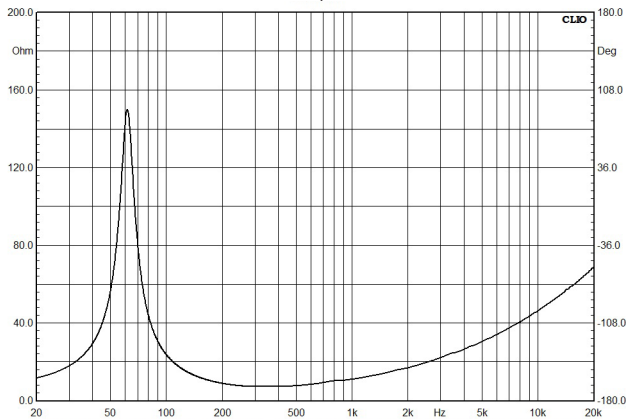
Main specifications:

- 8" nominal diameter;
- 600W AES program power (LF unit);
- 60W AES program power (HF unit);
- 95dB 1W/1m sensitivity (LF unit);
- 104dB 1W/1m sensitivity (LF unit);
- 2,5" CCAW voice coil (LF unit);
- 1" aluminum voice coil (HF unit);
- 90 degrees conical dispersion;
- 4.1 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	8(200)
Nominal impedance, Ohm	8
Rated power (AES), W	300*
Frequency range, Hz	65-18000
Recommended crossover Hz	2500
Sensitivity (1W / 1m), dB	95
Minimum impedance, Ohm	7,1@120Hz
Bl product, Tm	15,1
Voice coil inductance, mH (1kHz)	1,0
Moving mass Mms, g	26

Specifications and LF unit

Diameter, inches (mm)	2,5(64)
Winding material	CCA W
Former material	glass fiber
Winding depth, mm	25
Magnetic gap depth, mm	9
Flux density, T	1,05

Voice coil and Magnetic system

Fs, Hz	61,8
Vas, l	15
Qts	0,24
Qes	0,25
Qms	6,3
Re, Ohm	5,7
Sd, cm ²	210
Xmax, mm	6***
n, %	1,4

Thiele-Small parameters**

Nominal impedance, Ohm	8
Rated power (AES), W	30
Sensitivity (1W / 1m), dB	104
Diameter, inches (mm)	1(24)
Winding material	aluminum
Diaphragm material	phenolic dome
Flux density, T	1,35

HF unit and Voice Coil

Overall diameter, mm	255/208
Baffle cutout diameter, mm	184
Bolt hole diameter, mm	8x5
Bolt circle diameter, mm	207
Height, mm	130
Net weight, kg	4,1

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.