



# CX15-2

## COAXIAL TRANSDUCER FOR COMPACT ENCLOSURES AND STAGE MONITORS



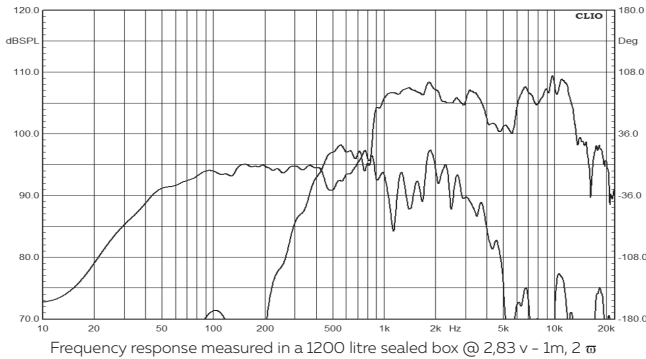
### Main features:

- combination of a 15" bass loudspeaker and a 2,8" diaphragm compression driver;
- aluminum die-cast frame;
- removable self-centering common ferrite magnet system;
- aluminum demodulation ring;
- titanium diaphragm compression driver.

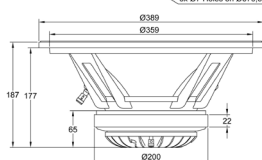
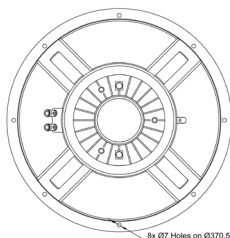
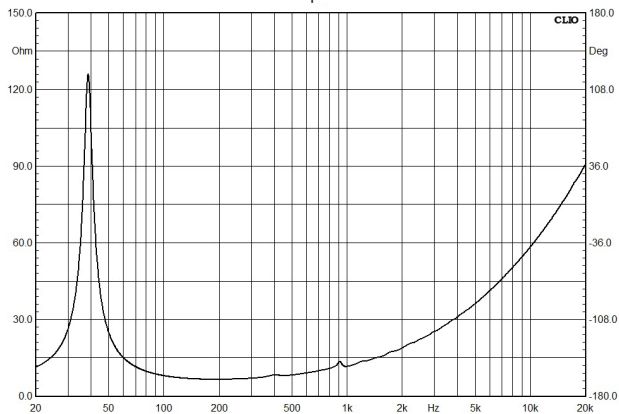
### Main specifications:

- 15" nominal diameter;
- 700W AES program power (LF unit);
- 160W AES program power (HF unit);
- 97.5dB 1W/1m sensitivity (LF unit);
- 106dB 1W/1m sensitivity (LF unit);
- 3" edgewound copper ribbon voice coil (LF unit);
- 2.8" edgewound aluminum ribbon voice coil (HF unit);
- 60x40 degrees dispersion;
- 7.5 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	4/8
Rated power (AES), W	350*
Frequency range, Hz	55-18000
Recomended crossover Hz	1100
Sensitivity (1W / 1m), dB	97,5
Minimum impedance, Ohm	7,1@200Hz
Bl product, Tm	17,9
Voice coil inductance, mH (1kHz)	1,1
Moving mass Mms, g	106

Diameter, inches (mm)	3(76)
Winding material	copper
Former material	glass fiber
Winding depth, mm	12,7
Magnetic gap depth, mm	8
Flux density, T	0,96

Fs, Hz	38,7
Vas, l	164,5
Qts	0,46
Qes	0,48
Qms	9,7
Re, Ohm	5,9
Sd, cm <sup>2</sup>	860
Xmax, mm	4,35***
n, %	1,9

Nominal impedance, Ohm	8
Rated power (AES), W	80
Sensitivity (1W / 1m), dB	106
Diameter, inches (mm)	2,8(72)
Winding material	aluminum
Diaphragm material	titanium
Flux density, T	1,66

Overall diameter, mm	389
Baffle cutout diameter, mm	358
Bolt hole diameter, mm	7
Bolt circle diameter, mm	370,5
Height, mm	190
Net weight, kg	7,5

Specifications and LF unit

Voice coil and Magnetic system

Thiele-Small parameters\*\*

HF unit and Voice Coil

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.