



12N800

HIGH OUTPUT MID BASS TRANSDUCER FOR HORN, TWO AND MULTI-WAY SPEAKERS



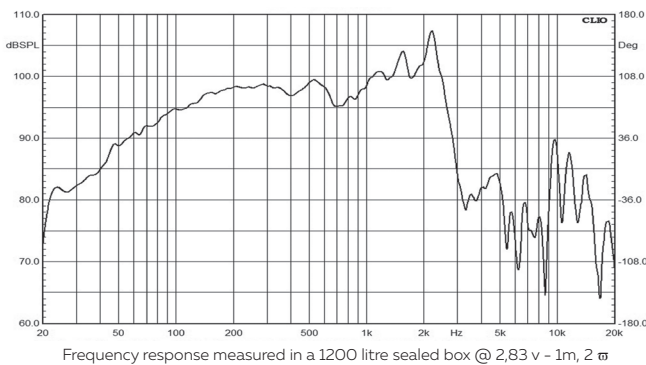
Main features:

- aluminum die-cast frame with improved voice coil ventilation ;
- removable self-centering neodymium magnet system with ventilated gap;
- inside-outside copper clad aluminum voice coil;
 - double aluminum demodulation ring;
 - glass fiber reinforced cone.

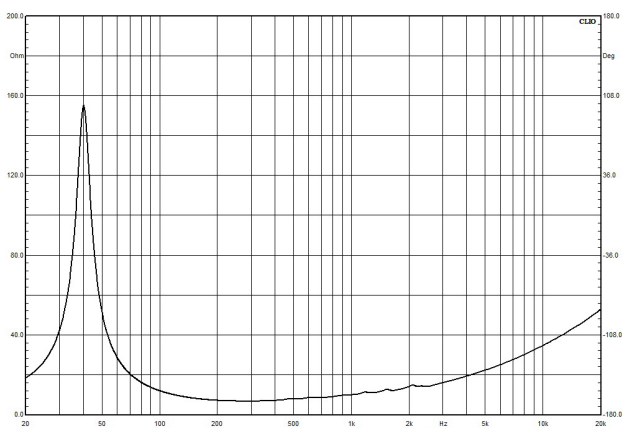
Main specifications:

- 12" nominal diameter;
- 1600 W AES program power;
- 98 dB 1W/1m sensitivity;
- 4" CCAW voice coil;
- 5,4 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	8
Rated power (AES), W	800*
Frequency range, Hz	55-2500
Sensitivity (1W / 1m), dB	98
Minimum impedance, Ohm	6,6@290Hz
Bl product, Tm	22,2
Voice coil inductance, mH (1kHz)	0,75
Moving mass Mms, g	84

Specifications

Diameter, inches (mm)	4(100)
Winding material	CCA W
Former material	glass fiber
Winding depth, mm	21,5
Magnetic gap depth, mm	9
Flux density, T	1,3

Voice coil and Magnetic system

Fs, Hz	40
Vas, l	83
Qts	0,23
Qes	0,24
Qms	6,5
Re, Ohm	5,6
Sd, cm ²	560
Xmax, mm	8,5***
n, %	2,2

Thiele-Small parameters**

Overall diameter, mm	312
Baffle cutout diameter, mm	282
Bolt hole diameter, mm	7
Bolt circle diameter, mm	294
Height, mm	128
Net weight, kg	5,4

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.