



# 12N1000

## HIGH OUTPUT LOW FREQUENCY TRANSDUCER FOR COMPACT BASS REFLEX AND HORN LOADED SYSTEM.



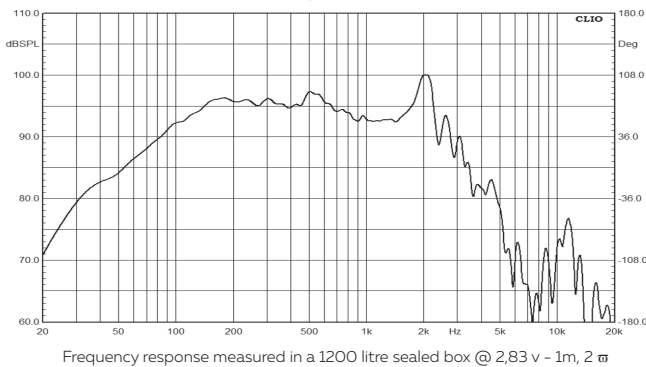
### Main features:

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

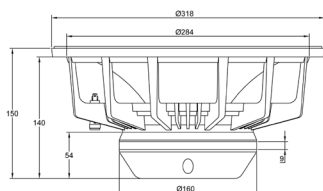
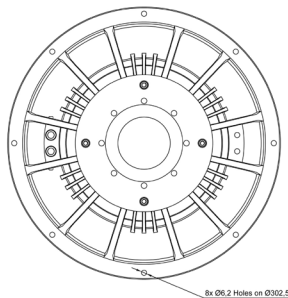
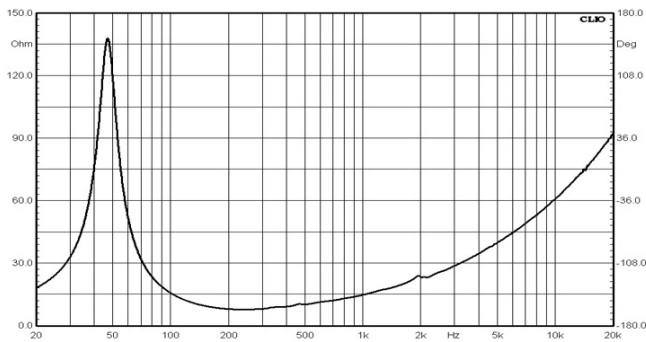
### Main specifications:

- 12" nominal diameter;
- 2000 W AES program power;
- 96dB 1W/1m sensitivity;
- 4" copper voice coil;
- 6,5 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	8/4
Rated power (AES), W	1000*
Frequency range, Hz	45-1500
Sensitivity (1W / 1m), dB	96
Minimum impedance, Ohm	7,7@240Hz
Bl product, Tm	27
Voice coil inductance, mH (1kHz)	1,43
Moving mass Mms, g	114

Diameter, inches (mm)	4(100)
Winding material	cooper
Former material	glass fiber
Winding depth, mm	24
Magnetic gap depth, mm	12
Flux density, T	1,26

Fs, Hz	46,5
Vas, l	45
Qts	0,24
Qes	0,25
Qms	4,5
Re, Ohm	5,5
Sd, cm <sup>2</sup>	552
Xmax, mm	9***
n, %	1,73

Overall diameter, mm	318
Baffle cutout diameter, mm	286
Bolt hole diameter, mm	7
Bolt circle diameter, mm	302,5
Height, mm	155
Net weight, kg	6,5

Specifications

Voice coil and Magnetic system

Thiele-Small parameters\*\*

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.