



M2102



EXTENDED LOW FREQUENCY TRANSDUCER FOR BASS REFLEX AND BAND PASS SYSTEM

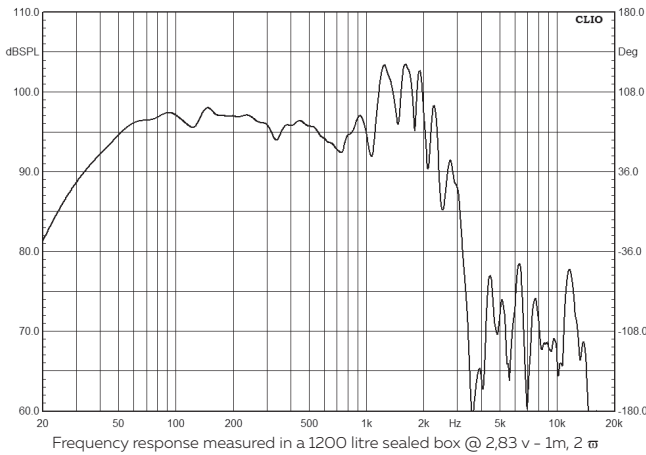
Main features:

- aluminum die-cast frame;
- removable self-centering ferrite magnet system;
- inside-outside copper voice coil;
- ventilated voice coil gap;
- double silicon spider;
- carbon fiber reinforced cone.

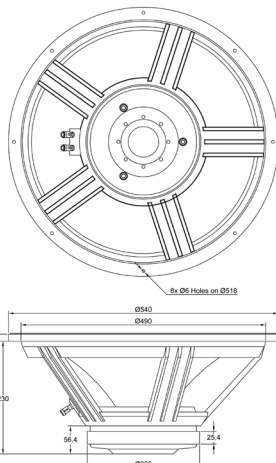
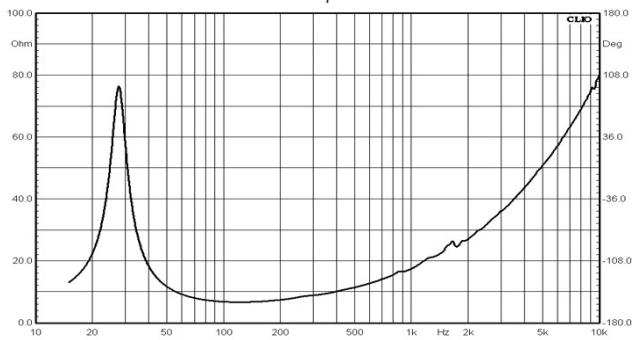
Main specifications:

- 21" nominal diameter;
- 2000 W AES program power;
- 98 dB 1W/1m sensitivity;
- 4" copper voice coil;
- 13,9 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	21(530)
Nominal impedance, Ohm	8
Rated power (AES), W	1000*
Frequency range, Hz	30-500
Sensitivity (1W / 1m), dB	98
Minimum impedance, Ohm	6,6@120Hz
Bl product, Tm	24,5
Voice coil inductance, mH (1kHz)	2,2
Moving mass Mms, g	281

Diameter, inches (mm)	4(100)
Winding material	copper
Former material	glass fiber
Winding depth, mm	25
Magnetic gap depth, mm	12
Flux density, T	1,05

Fs, Hz	27,7
Vas, l	465
Qts	0,41
Qes	0,44
Qms	5,8
Re, Ohm	5,6
Sd, cm²	1662
Xmax, mm	9,5***
n, %	2,15

Overall diameter, mm	540
Baffle cutout diameter, mm	490
Bolt hole diameter, mm	7
Bolt circle diameter, mm	518
Height, mm	245
Net weight, kg	13,9

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.