



M1270R

EXTENDED LOW FREQUENCY TRANSDUCER FOR BASS REFLEX AND BAND PASS SYSTEM



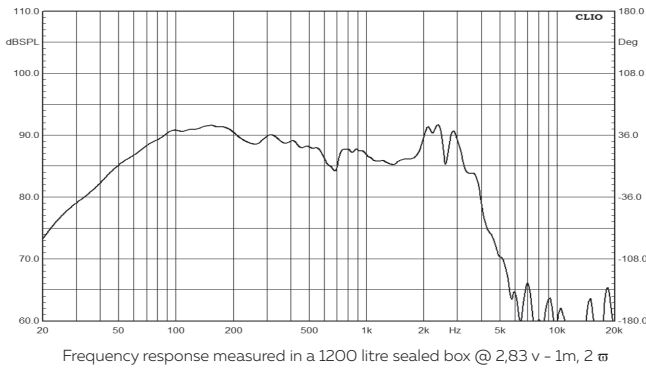
Main features:

- aluminum die-cast frame with improved voice coil ventilation ;
- removable self-centering ferrite magnet system with ventilated gap;
 - inside-outside copper voice coil;
 - rubber surround suspension system;
 - double silicon spider.

Main specifications:

- 12" nominal diameter;
- 1000 W AES program power;
- 951dB 1W/1m sensitivity;
- 3" copper voice coil;
- 9,6 kg weight.

Frequency response



Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	4/8
Rated power (AES), W	500*
Frequency range, Hz	35-1000
Sensitivity (1W / 1m), dB	91
Minimum impedance, Ohm	7@160Hz
Bl product, Tm	21,2
Voice coil inductance, mH (1kHz)	2,3
Moving mass Mms, g	125,9

Specifications

Diameter, inches (mm)	3(76)
Winding material	cooper
Former material	glass fiber
Winding depth, mm	29
Magnetic gap depth, mm	12
Flux density, T	1,15

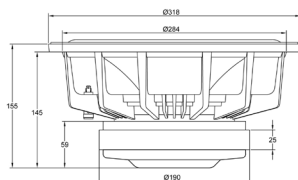
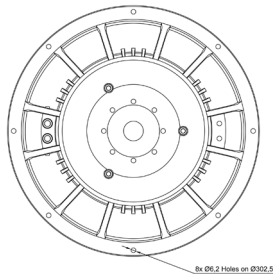
Voice coil and Magnetic system

Fs, Hz	32,6
Vas, l	63
Qts	0,33
Qes	0,35
Qms	4,6
Re, Ohm	6,13
Sd, cm ²	491
Xmax, mm	11,5***
n, %	0,7

Thiele-Small parameters**

Overall diameter, mm	318
Baffle cutout diameter, mm	286
Bolt hole diameter, mm	7
Bolt circle diameter, mm	302,5
Height, mm	164
Net weight, kg	9,6

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.