M1201

LOW FREQUENCY TRANSDUCER FOR COMPACT BASS REFLEX AND HORN LOADED SYSTEM

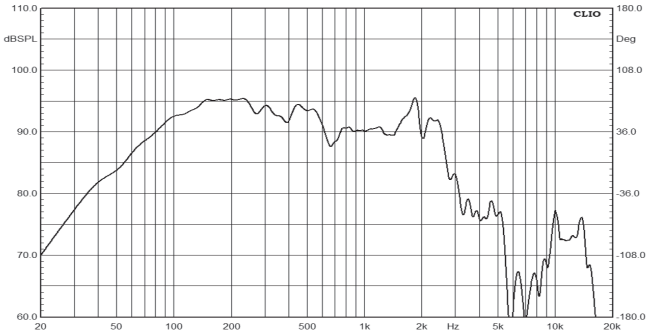
Main features:

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

Main specifications:

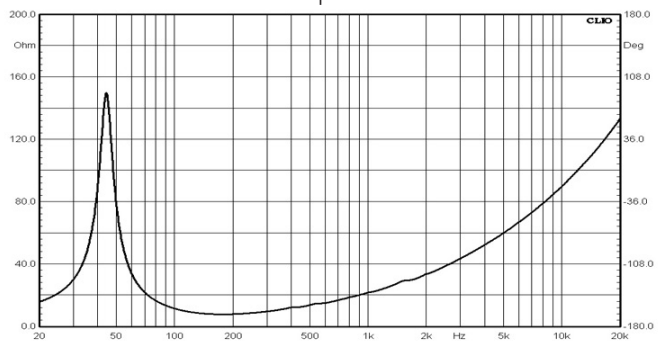
· 12" nominal diameter;
· 2000 W AES program power;
· 95 dB 1W/1m sensitivity;
· 4" copper voice coil;
· 12,4 kg weight.

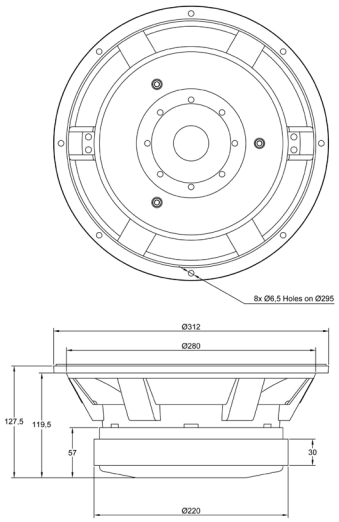
Frequency response



Frequency response measured in a 1200 litre sealed box @ 2,83 v - 1m, 2 ϖ

Free air impendance





* Rated power is determinited 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.

Specifications

Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	4/8
Rated power (AES), W	1000*
Frequency range, Hz	45-1500
Sensitivity (1W / 1m), dB	95
Minimum impedance, Ohm	7,7@200Hz
Bl product, Tm	27
Voice coil inductance, mH (1kHz)	2,6
Moving mass Mms, g	113

Voice coil and Magnetic system

Diameter, inches (mm)	4(100)
Winding material	cooper
Former material	glass fiber
Winding depth, mm	25
Magnetic gap depth, mm	14
Flux density, T	1,05

Thiele-Small parameters**

Fs, Hz	44,6
Vas, l	49
Qts	0,26
Qes	0,27
Qms	6,4
Re, Ohm	6,2
Sd, cm²	560
Xmax, mm	9***
n, %	1,56

Mounting information

Overall diameter, mm	312
Baffle cutout diameter, mm	282
Bolt hole diameter, mm	7
Bolt circle diameter, mm	294
Height, mm	124
Net weight, kg	12,4

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