PROFESSIONAL AUDIO

M1214

Product description

Low frequency transducer for compact bass reflex and horn loaded system.

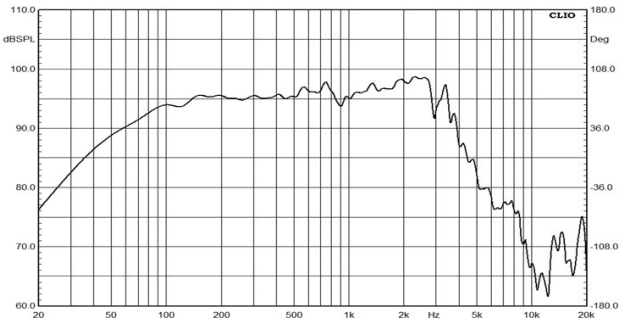


Main features:

- aluminum cast frame;
- removable self-centering ferrite magnet system;
- inside-outside copper voice coil.

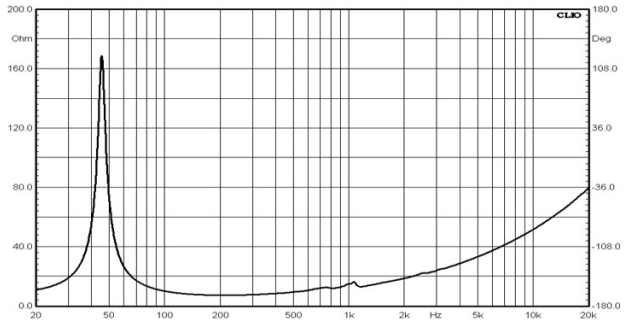
Specifications	
Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	8/4
Rated power (AES), W *	180
Frequency range, Hz	50-4000
Sensitivity (1W / 1m), dB	96
Minimum impedance, Ohm	7,2@210Hz
Bl product, Tm	13,8
Voice coil inuctance, mH (1kHz)	1,26
Moving Mass Mms, g	46,4
Voice coil	
Diameter, inches (mm)	2(51)
Winding material	copper
Former material	glass fiber
Winding depth, mm	15
Magnetic system	
Magnetic gap depth, mm	8
Flux density, T	1,09
Thiele-Small parameters **	
Fs, Hz	45,5
Vas, l	97
Qts	0,41
Qes	0,43
Qms	9,8
Re, Ohm	6,2
Sd cm^2	510
Xmax, mm ***	5,5
η, %	2,1
Mounting information	
Overall diameter, mm	310
Baffle cutout diameter, mm	282
Bolt hole diameter, mm	7
Bolt circle diameter, mm	294
Height, mm	132
Net weight, kg	3,5

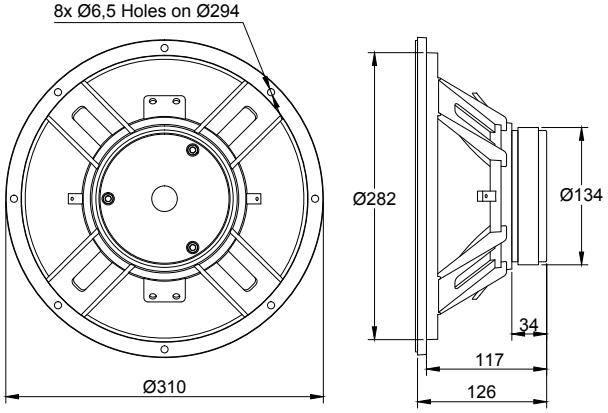
FREQUENCY RESPONSE



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

FREE AIR IMPEDANCE CURVE





* Rated power is determinited according to AES2 - 1984 (r 2003) standard.

** TS parameters are measured after a preconditioning power test.

*** Xmax is calculated as: $(H_{vc} - H_g) / 2 + H_g / 4$ where H_{vc} is the voice coil winding depth and H_g is the gap depth.

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