



# M1570

## LOW FREQUENCY TRANSDUCER FOR BASS REFLEX SYSTEM AND BAND PASS SYSTEM



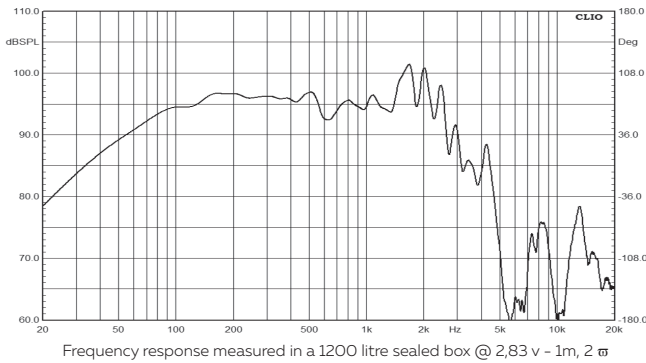
### Main features:

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

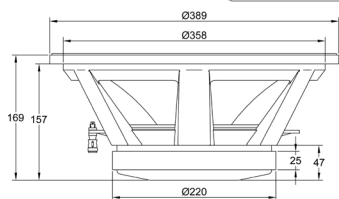
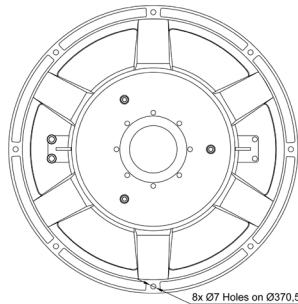
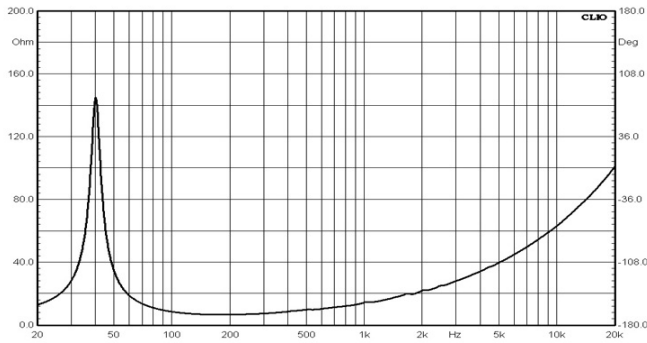
### Main specifications:

- 15" nominal diameter;
- 1400 W AES program power;
- 97 dB 1W/1m sensitivity;
- 4" copper voice coil;
- 9,9 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	8/4
Rated power (AES), W	700*
Frequency range, Hz	40-1500
Sensitivity (1W / 1m), dB	97
Minimum impedance, Ohm	6,6@190Hz
Bl product, Tm	24,7
Voice coil inductance, mH (1kHz)	1,52
Moving mass Mms, g	143

Diameter, inches (mm)	4(99)
Winding material	copper
Former material	glass fiber
Winding depth, mm	21
Magnetic gap depth, mm	9
Flux density, T	1,2

Fs, Hz	41,8
Vas, l	107
Qts	0,35
Qes	0,37
Qms	8,9
Re, Ohm	5,9
Sd, cm <sup>2</sup>	866
Xmax, mm	8,25***
n, %	2,1

Overall diameter, mm	389
Baffle cutout diameter, mm	358
Bolt hole diameter, mm	7
Bolt circle diameter, mm	370,5
Height, mm	170
Net weight, kg	9,9

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.