



M1020

LF TRANSDUCER FOR COMPACT TWO-WAY AND MULTI-WAY SPEAKERS



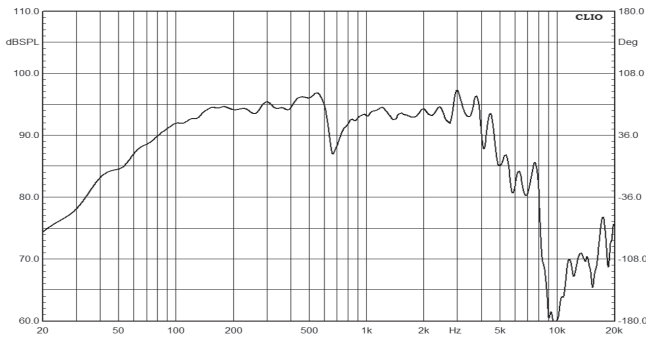
Main features:

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

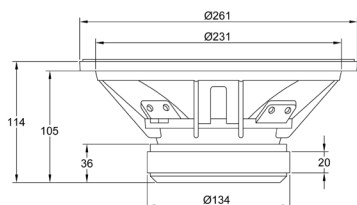
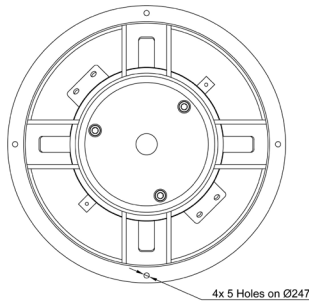
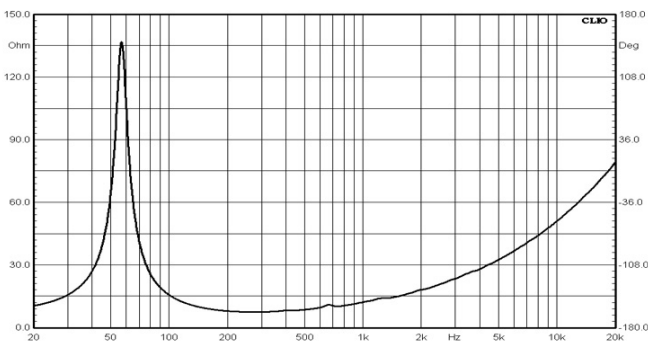
Main specifications:

- 10" nominal diameter;
- 400 W AES program power;
- 95 dB 1W/1m sensitivity;
- 2" copper voice coil;
- 3,3 kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	10(250)
Nominal impedance, Ohm	4/8
Rated power (AES), W	200*
Frequency range, Hz	60-3500
Sensitivity (1W / 1m), dB	95
Minimum impedance, Ohm	7,2@270Hz
Bl product, Tm	15,1
Voice coil inductance, mH (1kHz)	1,07
Moving mass Mms, g	38

Diameter, inches (mm)	2(51)
Winding material	cooper
Former material	glass fiber
Winding depth, mm	15
Magnetic gap depth, mm	8
Flux density, T	1,07

Fs, Hz	55,1
Vas, l	39
Qts	0,36
Qes	0,38
Qms	7,44
Re, Ohm	6,6
Sd, cm²	353
Xmax, mm	5,5 ***
n, %	1,62

Overall diameter, mm	258
Baffle cutout diameter, mm	231
Bolt hole diameter, mm	5,5
Bolt circle diameter, mm	244
Height, mm	114
Net weight, kg	3,3

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.