



# M1031

## HIGH OUTPUT MID BASS TRANSDUCER FOR HORN AND MULTI-WAY SPEAKERS



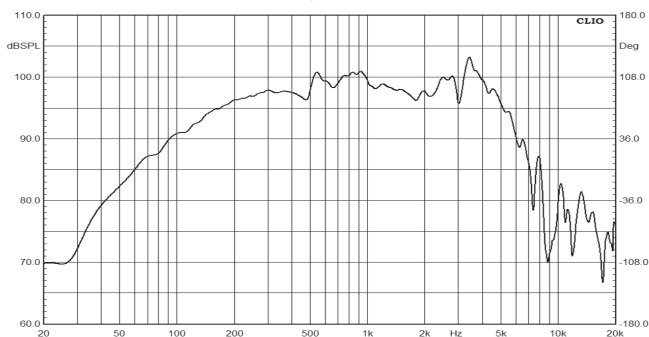
### Main features:

- aluminum die-cast octagonal frame with small installation dimensions;
- removable self-centering ferrite magnet system;
- high-temperature inside-outside aluminum voice coil.

### Main specifications:

- 10" nominal diameter;
- 600 W AES program power;
- 99 dB 1W/1m sensitivity;
- 3" aluminum voice coil;
- 6,5 kg weight.

Frequency response



Nominal diameter, inches (mm)	10(250)
Nominal impedance, Ohm	8/16
Rated power (AES), W	300*
Frequency range, Hz	80-5000
Sensitivity (1W / 1m), dB	99
Minimum impedance, Ohm	6,7@400Hz
Bl product, Tm	16,6
Voice coil inductance, mH (1kHz)	0,5
Moving mass Mms, g	35

Specifications

Diameter, inches (mm)	3(76)
Winding material	aluminum
Former material	glass fiber
Winding depth, mm	11
Magnetic gap depth, mm	8
Flux density, T	1,3

Voice coil and Magnetic system

Fs, Hz	67
Vas, l	27,5
Qts	0,29
Qes	0,3
Qms	7,9
Re, Ohm	5,6
Sd, cm²	346
Xmax, mm	3,5 ***
n, %	2,6

Thiele-Small parameters\*\*

Overall diameter, mm	264/285
Baffle cutout diameter, mm	233
Bolt hole diameter, mm	6x8
Bolt circle diameter, mm	263
Height, mm	127
Net weight, kg	6,5

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