



M1804

HIGH POWER EXTENDED LOW FREQUENCY TRANSDUCER FOR BASS REFLEX AND BAND PASS SYSTEM



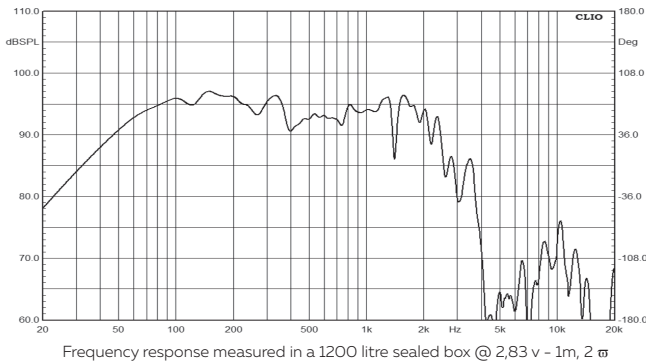
Main features:

- aluminum die-cast frame with improved voice coil ventilation;
- removable self-centering ferrite magnet system;
 - inside-outside copper voice coil;
 - ventilated voice coil gap;
 - double silicon spider;
- glass fiber reinforced cone.

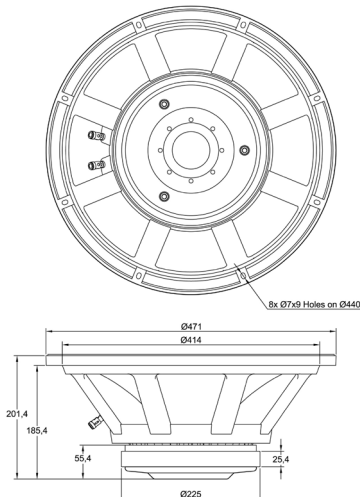
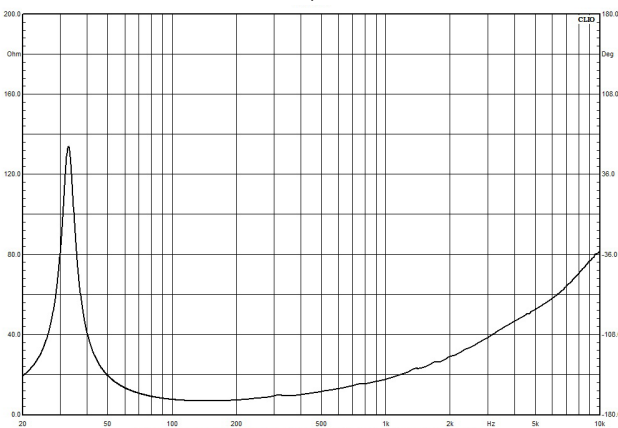
Main specifications:

- 18" nominal diameter;
- 2000 W AES program power;
- 96 dB 1W/1m sensitivity;
- 4" copper voice coil;
- 12,2kg weight.

Frequency response



Free air impedance



Nominal diameter, inches (mm)	18(460)
Nominal impedance, Ohm	4/8
Rated power (AES), W	1000*
Frequency range, Hz	30-500
Sensitivity (1W / 1m), dB	96
Minimum impedance, Ohm	6,7@140Hz
Bl product, Tm	28,1
Voice coil inductance, mH (1kHz)	2,6
Moving mass Mms, g	237

Diameter, inches (mm)	4(100)
Winding material	copper
Former material	glass fiber
Winding depth, mm	25
Magnetic gap depth, mm	11
Flux density, T	1,14

Fs, Hz	32,8
Vas, l	208
Qts	0,33
Qes	0,35
Qms	7,9
Re, Ohm	5,7
Sd, cm ²	1225
Xmax, mm	9,75***
n, %	2,0

Overall diameter, mm	471
Baffle cutout diameter, mm	414
Bolt hole diameter, mm	7/9
Bolt circle diameter, mm	440
Height, mm	206
Net weight, kg	12,2

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