

M1505



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

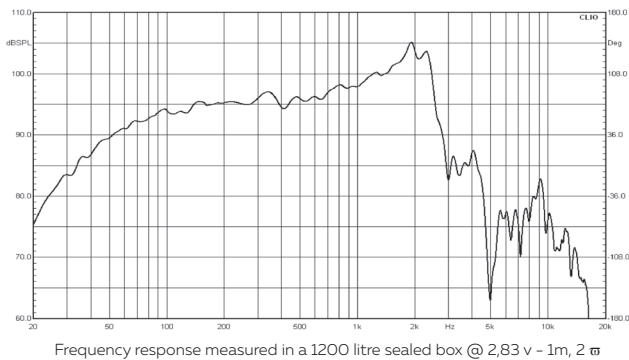
Main features:

- aluminum die-cast octagonal frame with small installation dimensions;
- removable self-centering ferrite magnet system;
 - inside-outside copper voice coil;
 - ventilated voice coil gap;
- double aluminum demodulation ring;
- glass fiber reinforced cone.

Main specifications:

- 15" nominal diameter;
- 2400 W AES program power;
- 96 dB 1W/1m sensitivity;
- 4" copper voice coil;
- 11,5 kg weight.

Frequency response



| | |
|----------------------------------|-----------|
| Nominal diameter, inches (mm) | 15(380) |
| Nominal impedance, Ohm | 4/8 |
| Rated power (AES), W | 1200* |
| Frequency range, Hz | 40-1500 |
| Sensitivity (1W / 1m), dB | 96 |
| Minimum impedance, Ohm | 7,2@160Hz |
| Bl product, Tm | 24,9 |
| Voice coil inductance, mH (1kHz) | 1,2 |
| Moving mass Mms, g | 164 |

Specifications

| | |
|------------------------|-------------|
| Diameter, inches (mm) | 4(100) |
| Winding material | copper |
| Former material | glass fiber |
| Winding depth, mm | 30 |
| Magnetic gap depth, mm | 12 |
| Flux density, T | 1,05 |

Voice coil and Magnetic system

| | |
|---------------------|-------|
| Fs, Hz | 37,5 |
| Vas, l | 130 |
| Qts | 0,35 |
| Qes | 0,36 |
| Qms | 10,5 |
| Re, Ohm | 5,8 |
| Sd, cm ² | 905 |
| Xmax, mm | 12*** |
| n, % | 1,8 |

Thiele-Small parameters **

| | |
|----------------------------|---------|
| Overall diameter, mm | 405/380 |
| Baffle cutout diameter, mm | 356 |
| Bolt hole diameter, mm | 6,5/10 |
| Bolt circle diameter, mm | 388 |
| Height, mm | 188 |
| Net weight, kg | 11,5 |

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