



15N1200



HIGH OUTPUT LOW DISTORTION LOW FREQUENCY TRANSDUCER FOR BASS REFLEX AND BAND PASS SYSTEM

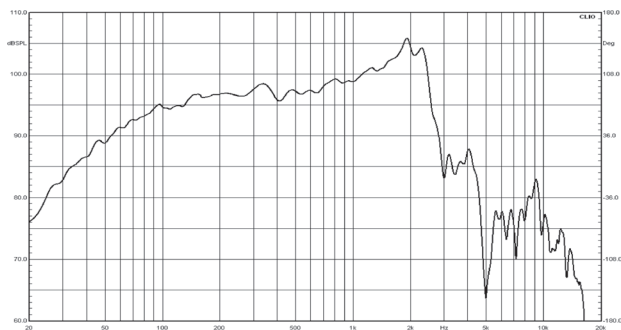
Main features:

- aluminum die-cast frame with improved voice coil ventilation ;
- removable self-centering neodymium magnet system;
- inside-outside copper voice coil.
 - ventilated voice coil gap;
- double aluminum demodulation ring.

Main specifications:

- 15" nominal diameter;
- 2400 W AES program power;
- 97 dB 1W/1m sensitivity;
- 4" copper voice coil;
- 7,5 kg weight.

Frequency response



Frequency response measured in a 1200 litre sealed box @ 2,83 v - 1m, 2 m

Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	8/4
Rated power (AES), W	1200*
Frequency range, Hz	40-1500
Sensitivity (1W / 1m), dB	97
Minimum impedance, Ohm	7.1@150Hz
Bl product, Tm	26,5
Voice coil inductance, mH (1kHz)	1,1
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	10
Flux density, T	1,4

Voice coil and Magnetic system

Fs, Hz	37,8
Vas, l	126
Qts	0,31
Qes	0,32
Qms	10,5
Re, Ohm	5,8
Sd, cm ²	905
Xmax, mm	12,5***
n, %	2,1

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	7,5

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.