



21N1600

HIGH POWER LOW DISTORTION EXTENDED LOW FREQUENCY TRANSDUCER



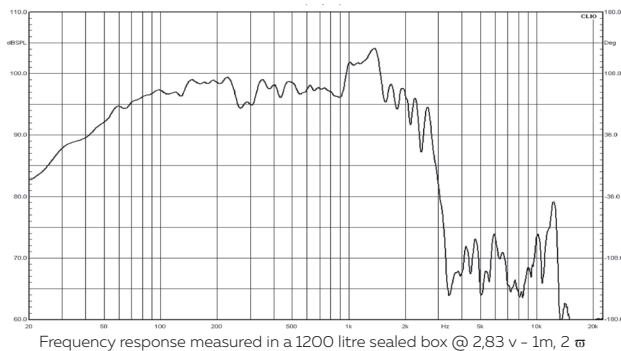
Main features:

- 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;
- glass fiber reinforced cone.

Main specifications:

- 21" nominal diameter;
- 3200 W AES program power;
- 98 dB 1W/1m sensitivity;
- 4,5" copper voice coil;
- 11,6 kg weight.

Frequency response



Nominal diameter, inches (mm)	21(530)
Nominal impedance, Ohm	8
Rated power (AES), W	1600
Frequency range, Hz	30-1000
Sensitivity (1W / 1m), dB	98
Minimum impedance, Ohm	6,8@150Hz
Bl product, Tm	36,9
Voice coil inductance, mH (1kHz)	1,7
Moving mass Mms, g	372

Specifications

Diameter, inches (mm)	4,5(115)
Winding material	copper
Former material	glass fiber
Winding depth, mm	30
Magnetic gap depth, mm	14
Flux density, T	1,22

Voice coil and Magnetic system

Fs, Hz	34,8
Vas, l	218
Qts	0,31
Qes	0,32
Qms	7,8
Re, Ohm	5,4
Sd, cm ²	1662
Xmax, mm	11,5
n, %	2,75

Thiele-Small parameters

Overall diameter, mm	545
Baffle cutout diameter, mm	494
Bolt hole diameter, mm	8
Bolt circle diameter, mm	520
Height, mm	248
Net weight, kg	11,6

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.