

## 10 inch WOOFER LOUDSPEAKER

- frame: steel, black
- cone: paper, black
- surround: foam, grey
- dust cap: textile, black

## TECHNICAL DATA

Rated impedance	8 $\Omega$
Voice coil resistance	6,7 $\Omega$
Rated frequency range	up to 1000 Hz
Resonance frequency	26 Hz
Power handling capacity, measured without filter, loudspeaker unmounted, 100 h, continuous	80 W
Max. power on loudspeaker	150 W
Operating power (sound level 96 dB, 1 m)	7 W
Sweep voltage (20 to 2000 Hz)	10 V
Filter	none
Characteristic sensitivity	88 $\pm$ 2 dB
Energy in air gap	508 mJ
Flux density	0,72 T
Force factor (Bxl) at 1A	13 Wb/m
Piston area	314 cm <sup>2</sup>
Total moving mass	0,049 kg
Compliance, loudspeaker unmounted	0,8 x 10 <sup>-3</sup> m/N
Equivalent box volume	95 l
Quality factor, loudspeaker unmounted	
mechanical	3,8
electrical	0,3
total	0,28
Air-gap height	7 mm
Air-gap length	2,15 mm
Voice coil height	17 mm
Rated coil diameter	50 mm
Magnet material	ceramic
diameter	121 mm
mass	0,88 kg
Mass of loudspeaker	2,7 kg

Connection is by 2,8 mm x 0,5 mm tag connectors or by soldering.

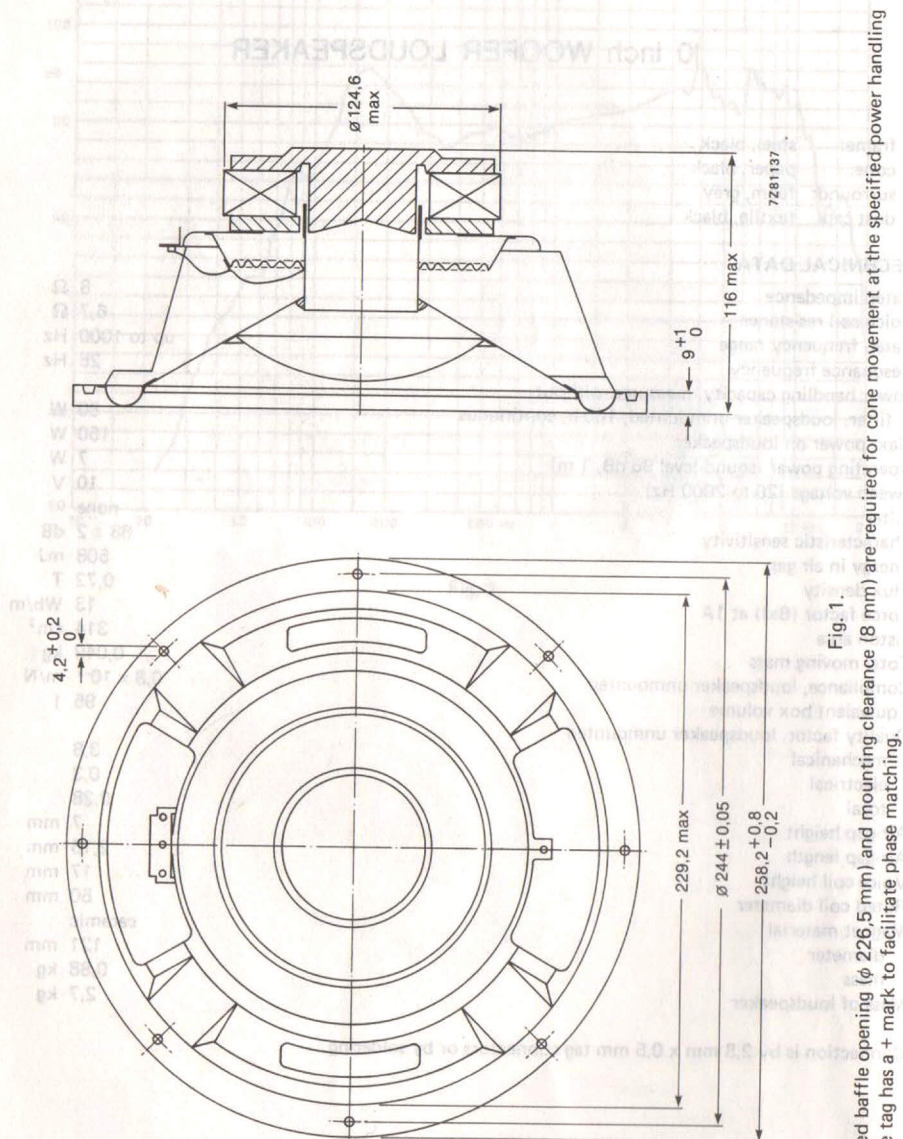


Fig. 1.

Recommended baffle opening ( $\phi$  226.5 mm) and mounting clearance (8 mm) are required for cone movement at the specified power handling capacity. One tag has a + mark to facilitate phase matching.

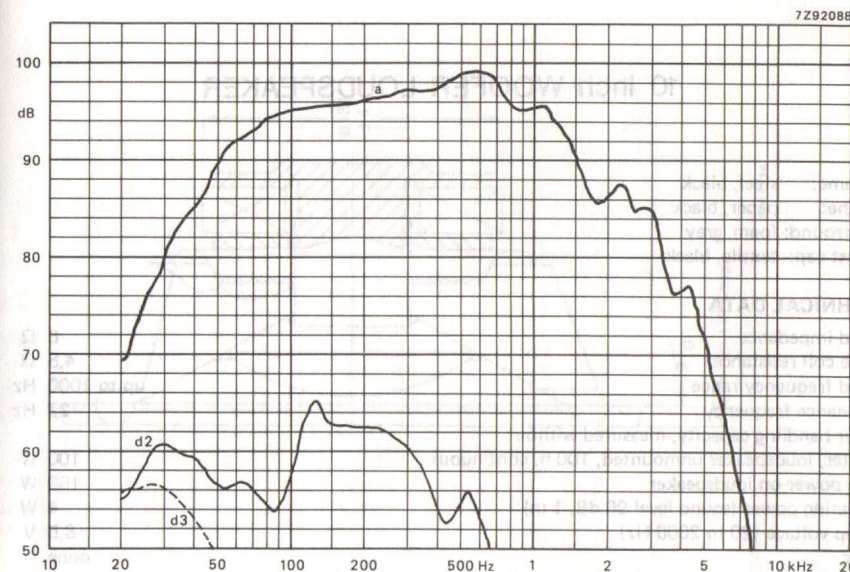


Fig. 2.

#### AVAILABLE VERSIONS

AD10202/W8. catalogue number 2422 257 31827 This number is for bulk-packed loudspeakers.

#### FREQUENCY RESPONSE CURVES (see Fig. 2)

Measured in anechoic room at the operating power. Loudspeaker front mounted on IEC baffle.

Curve a: Sound pressure

Curves d2 and d3: 2nd and 3rd harmonic distortion.