

7 inch WOOFER LOUDSPEAKER

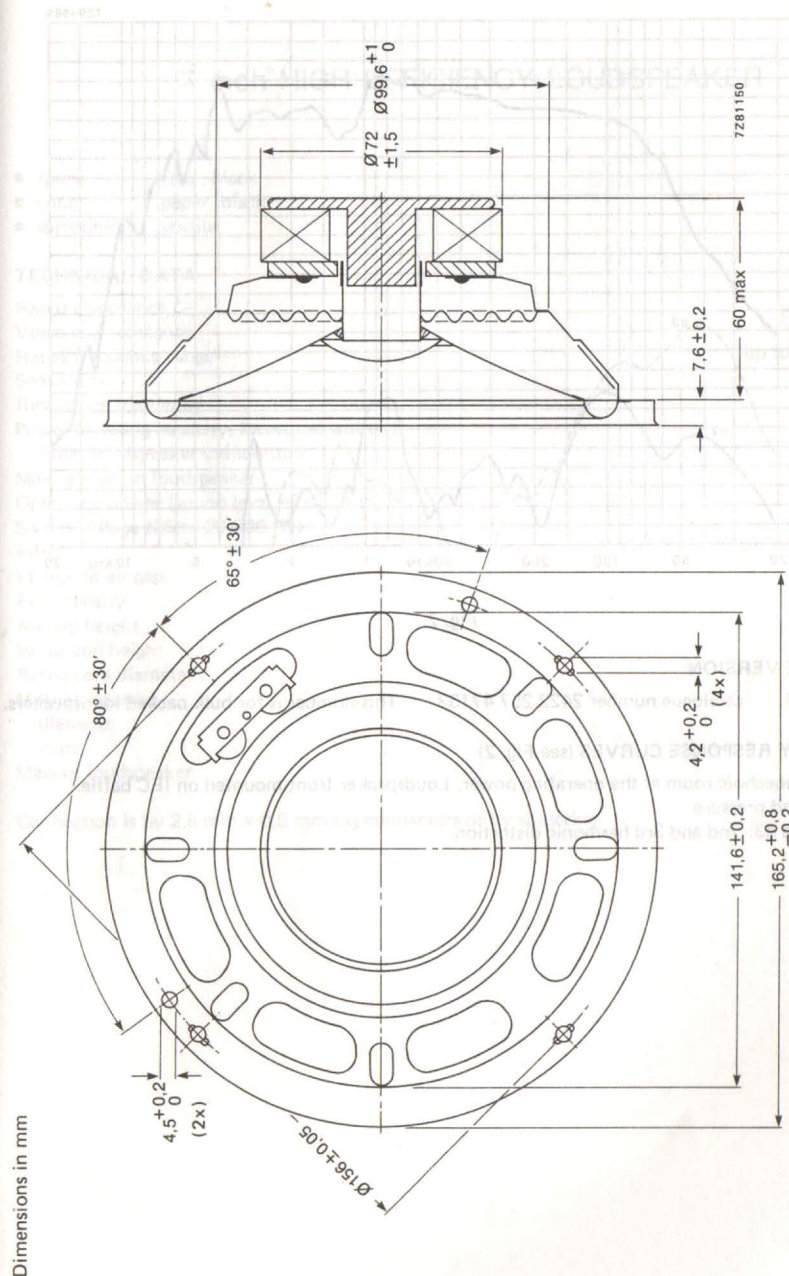
- frame: steel, zinc plated, yellow
- cone: paper, black
- surround: foam

- gaskets: none
- magnetic compensation: none
- recommended enclosure: 15 litre

TECHNICAL DATA

Rated impedance	4 Ω
Voice coil resistance	3,5 Ω
Rated frequency range	up to 5000 Hz
Resonance frequency	48 Hz
Power handling capacity, measured without filter, loudspeaker unmounted, 100 h continuous	40 W
Max. power on loudspeaker	80 W
Operating power (sound level 96 dB, 1 m)	10 W
Sweep voltage (20 to 6000 Hz)	6,3 V
Filter	none
Characteristic sensitivity	86 dB
Energy in air gap	137 mJ
Flux density	0,72 T
Force factor (BxI) at 1A	4,7 Wb/m
Piston area	133 cm ²
Total moving mass	13 g
Compliance, loudspeaker unmounted	0,84 x 10 ⁻³ m/N
Equivalent box volume	17,8 l
Quality factor, loudspeaker unmounted	
mechanical	4,2
electrical	1,16
total	1,15
Air-gap height	5 mm
Air-gap length	1,6 mm
Voice coil height	7 mm
Rated coil diameter	25 mm
Magnet material	ceramic
diameter	72 mm
mass	0,24 kg
Mass of loudspeaker	0,75 kg

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



Recommended baffle opening (ϕ 144 mm) and mounting clearance (5 mm) are required for cone movement at the specified power handling capacity. One tag has a mark to facilitate phase matching.

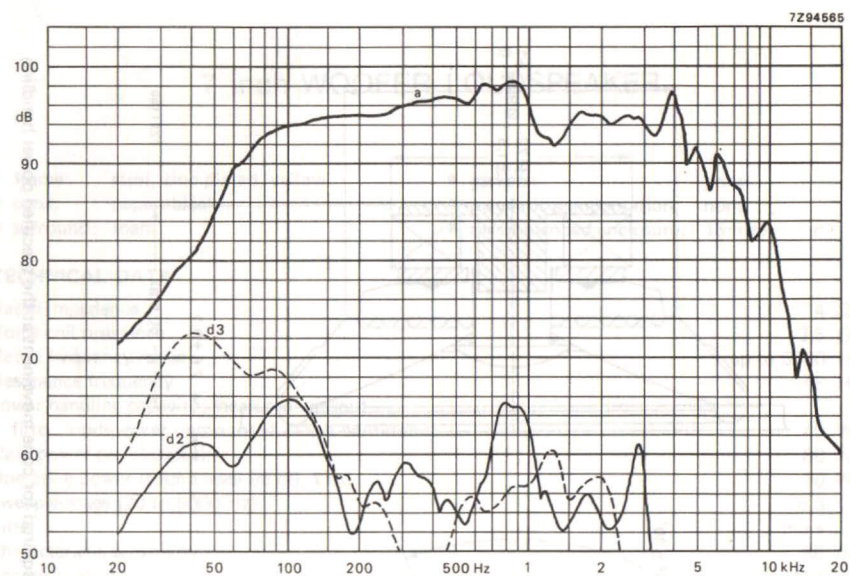


Fig. 2.

AVAILABLE VERSION

AD70604/W4. catalogue number 2422 257 47133 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.