

7 inch HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high fidelity reproduction in sealed acoustic enclosures in accordance with DIN45500.
Maximum enclosure volume 7 l.

Maximum recommended cross-over frequency 2000 Hz. High power handling capacity with very low distortion.

TECHNICAL DATA

| | version | | |
|--|---------|------|----------|
| | W4 | W8 | |
| Rated impedance | 4 | 8 | Ω |
| Voice coil resistance | 4,3 | 8 | Ω |
| Resonance frequency | 45 | 45 | Hz |
| Power handling capacity, measured without filter mounted in 7 l sealed enclosure | 40 | 40 | W |
| Operating power | 4 | 4 | W |
| Sweep voltage | 3,8 | 5,3 | V |
| Energy in air gap | 225 | 207 | mJ |
| Flux density | 1,1 | 1,2 | T |
| Air-gap height | 5 | 5 | mm |
| Voice coil height | 11 | 11 | mm |
| Core diameter | 25 | 25 | mm |
| Magnet material | FXD | FXD | |
| diameter | 90 | 90 | mm |
| mass | 0,45 | 0,45 | kg |
| Mass of loudspeaker | 1,15 | 1,15 | kg |

The loudspeaker has a rubber surround.

Connection to the loudspeaker by means of 6,3 mm (0,25 inch) Fastons or soldering.

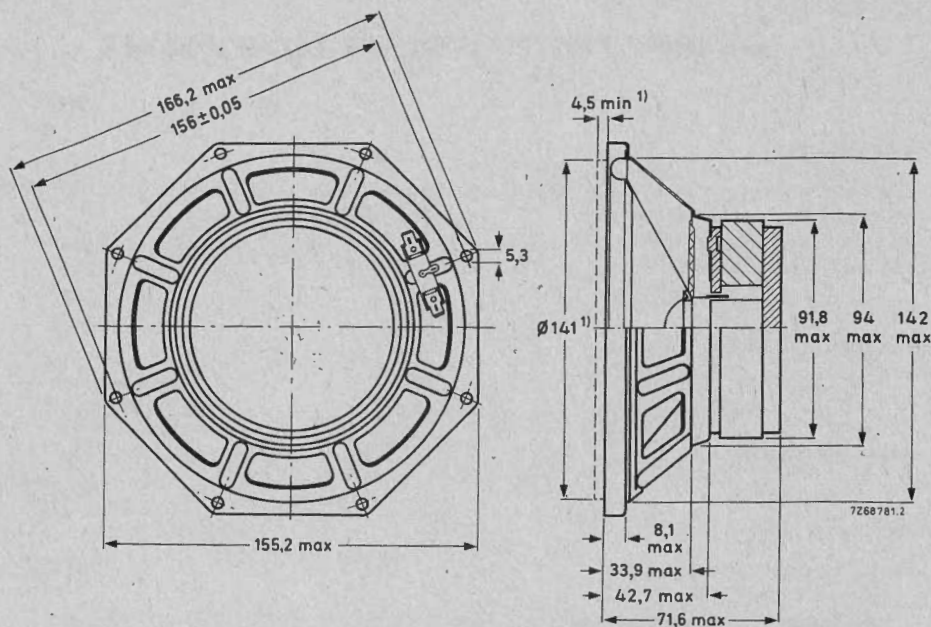
Dimensions (mm)

Fig.1

1) Baffle hole and clearance depth required for cone movement at the specified power handling capacity.

One tag is indicated by a red mark for in-phase connection.

AVAILABLE VERSIONS

AD7066/W4, catalogue number 2422 257 470.1

AD7066/W8, catalogue number 2422 257 470.2

(0 = stamped on loudspeaker magnet,
not to be used for ordering)

2 = for bulk packing *)

6 = for single unit packing

*) Minimum packing quantity 3 per unit.

FREQUENCY RESPONSE CURVES

Fig. 2

Curve b: Sound pressure measured in anechoic room, loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg of glass wool.

Curve c: Total non-linear distortion, measured at the operating power of 4 W in anechoic room, loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg of glass wool. Loudspeaker front mounted on baffle, dimensions 640 x 540 mm.

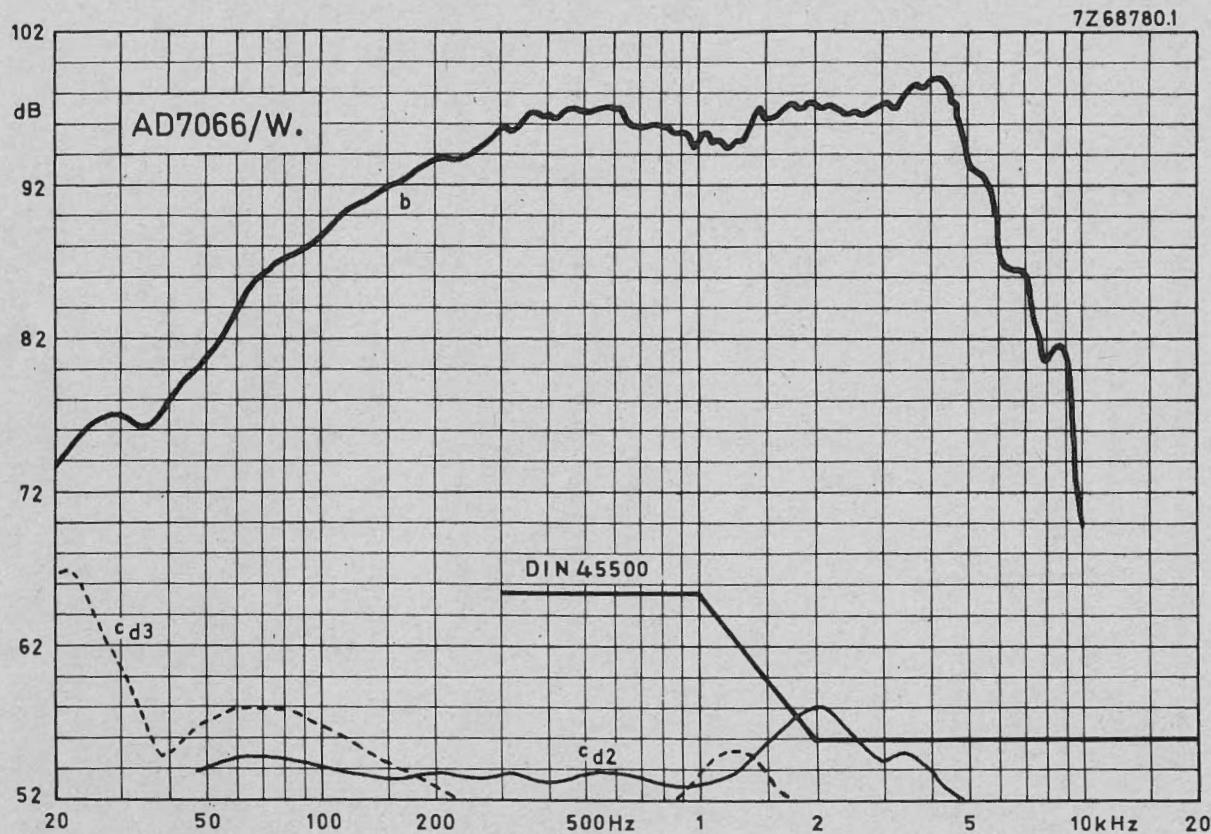


Fig.2