

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.

AD7066/W.

7 inch HIGH POWER WOOFER
LOUDSPEAKER

Dimensions (mm)

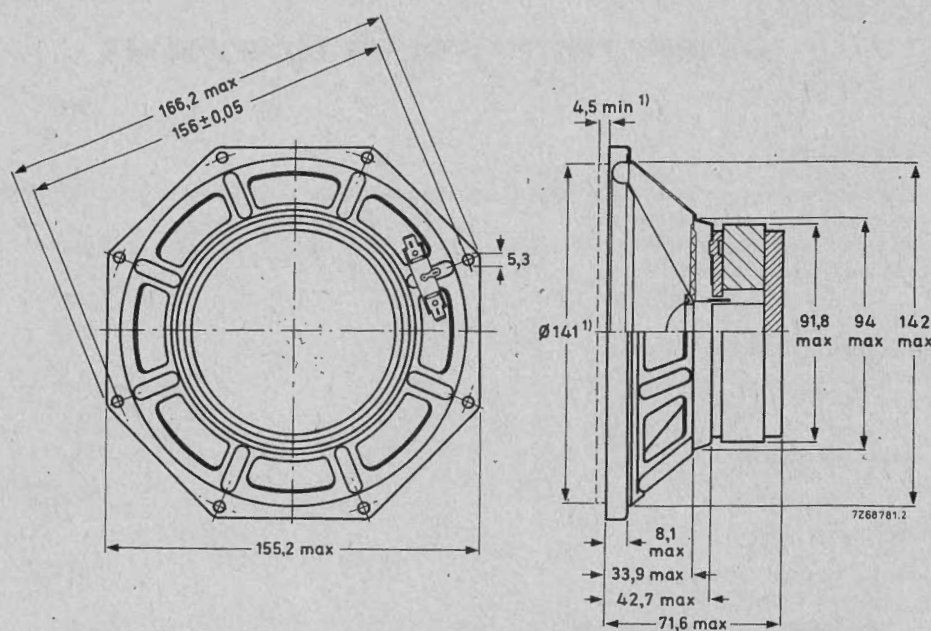


Fig.1

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.



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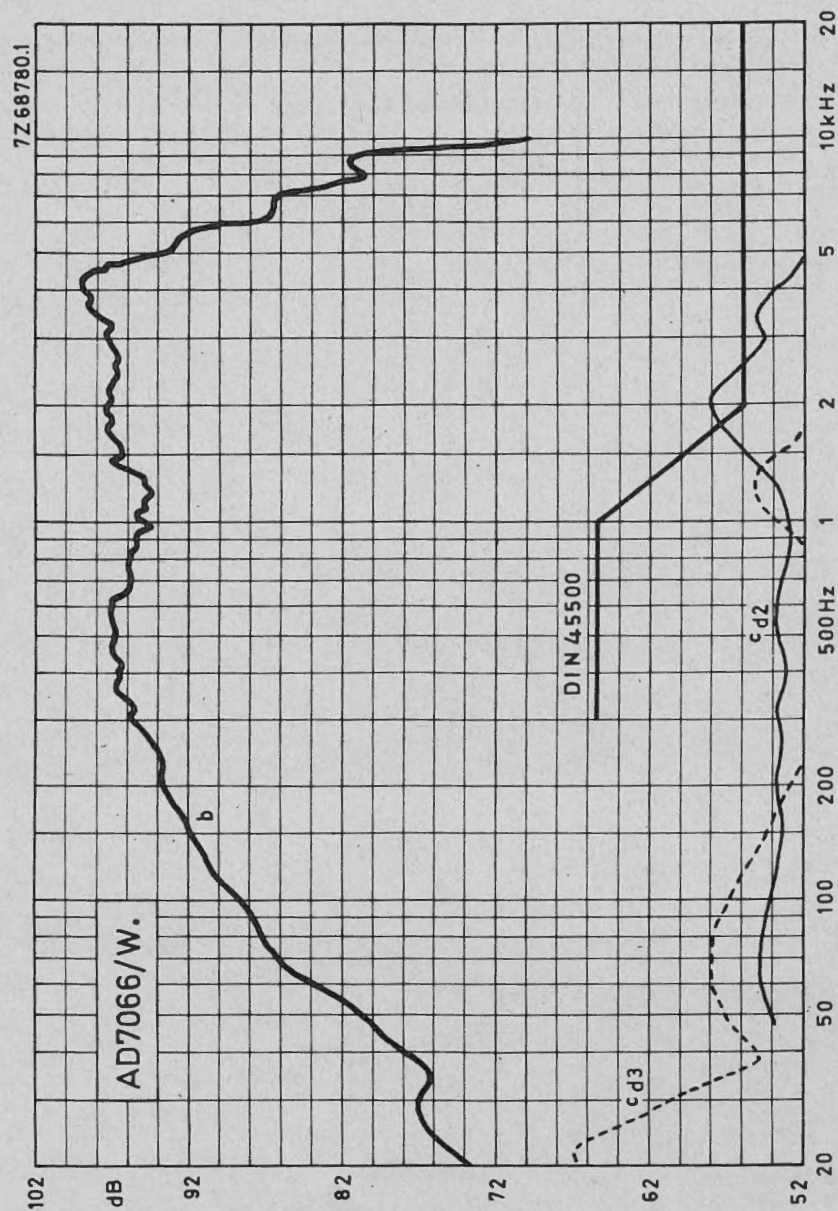


Fig. 2