

AD8066/W.

8 inch HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high fidelity reproduction in sealed acoustic enclosures. Maximum enclosure volume 25 litres. Maximum recommended cross-over frequency 2500 Hz.
Rated frequency range 30 to 5 000 Hz.

TECHNICAL DATA

	version	
	W4	W8
Rated impedance	4	8 Ω
Voice coil resistance	4,3	8 Ω
Resonance frequency	39	39 Hz
Power handling capacity, measured without filter, mounted in 25 l sealed enclosure	40	40 W
Operating power	2,5	2,5 W
Sweep voltage	5	7 V
Energy in air gap	229	203 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.

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Dimensions (mm)

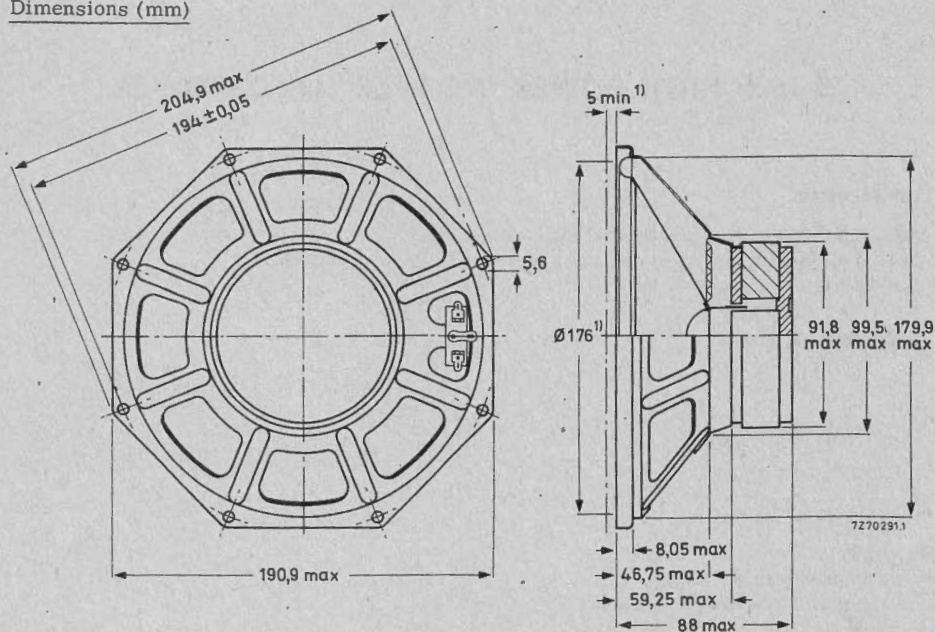


Fig. 1

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

AD8066/W4, catalogue number 2422 257 385.1

AD8066/W8, catalogue number 2422 257 385.2

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

2 = for bulk packing *)

6 = for single unit packing

FREQUENCY RESPONSE CURVES

See Fig. 2

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

Curve c: 2nd and 3rd harmonic distortion, measured at the operating power of 2,5 W in anechoic room, loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg of glass wool.

) Minimum packing quantity 3 per unit.

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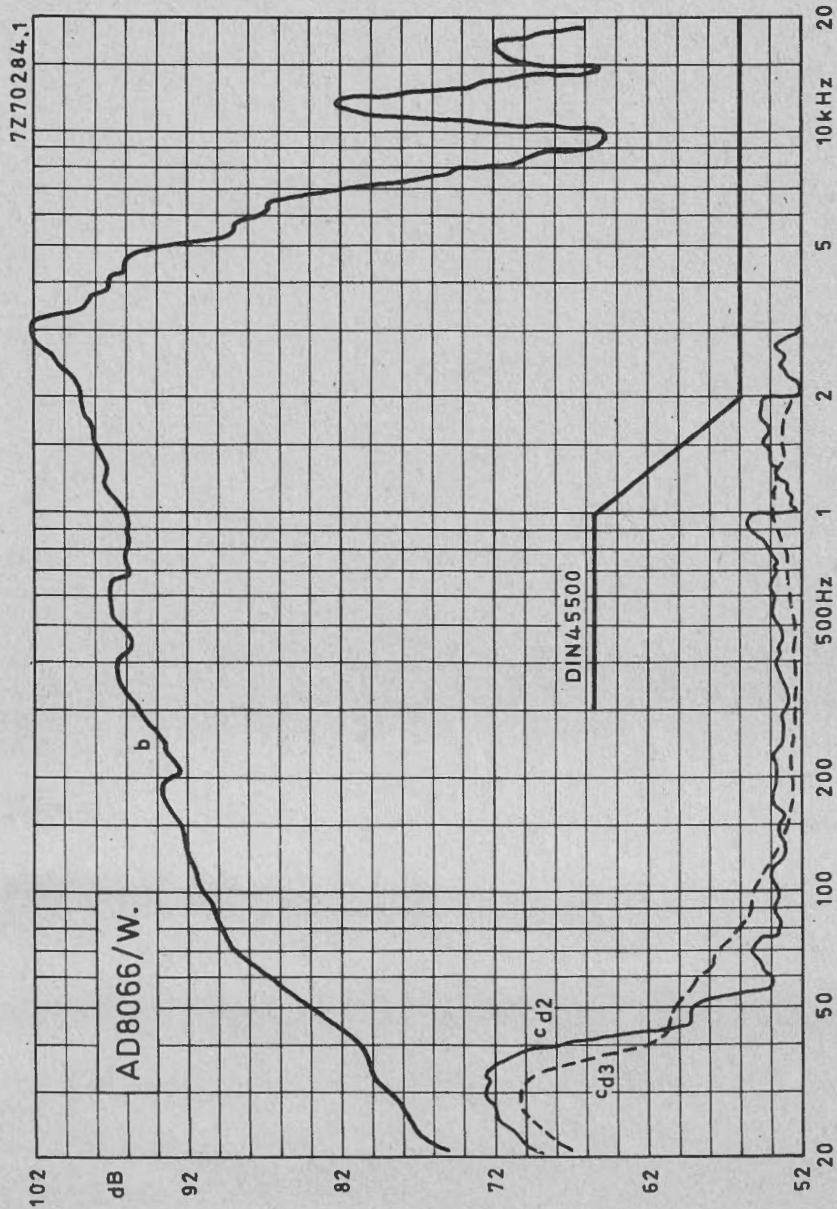


Fig. 2