

10 inch HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high fidelity reproduction in sealed acoustic enclosures in accordance with DIN 45500. Recommended enclosure volume 35 litres. Maximum recommended cross-over frequency 1000 Hz. Rated frequency range 40 to 3000 Hz.

TECHNICAL DATA

	version		
	W4	W8	
Rated impedance	4	8	Ω
Voice coil resistance	3,2	6,8	Ω
Resonance frequency	20	20	Hz
Power handling capacity, measured without filter, mounted in 35 l sealed enclosure	30	30	W
Operating power	5	5	W
Sweep voltage	5	7	V
Energy in airgap	280	280	mJ
Flux density	0,94	0,94	T
Airgap height	5	5	mm
Voice coil height	12,1	13,5	mm
Core diameter	25	25	mm
Magnet material	Fxd	Fxd	
diameter	90	90	mm
weight	0,45	0,45	kg
Weight of loudspeaker	1,8	1,8	kg

The loudspeaker has a rubber surround.

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

AD1065/W.

10 inch HIGH POWER WOOFER
LOUDSPEAKER

Dimensions (mm)

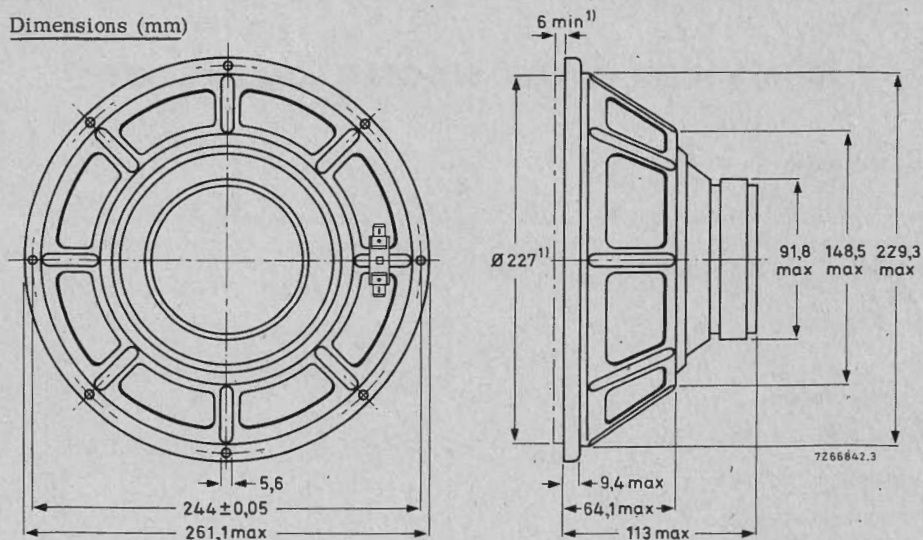


Fig. 1

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.

AD 1065/W4, catalogue number 2422 257 313.1

AD 1065/W8, catalogue number 2422 257 313.2

(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 of 5 W.

Loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg of glass wool.

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

*) Minimum packing quantity 1 per unit.

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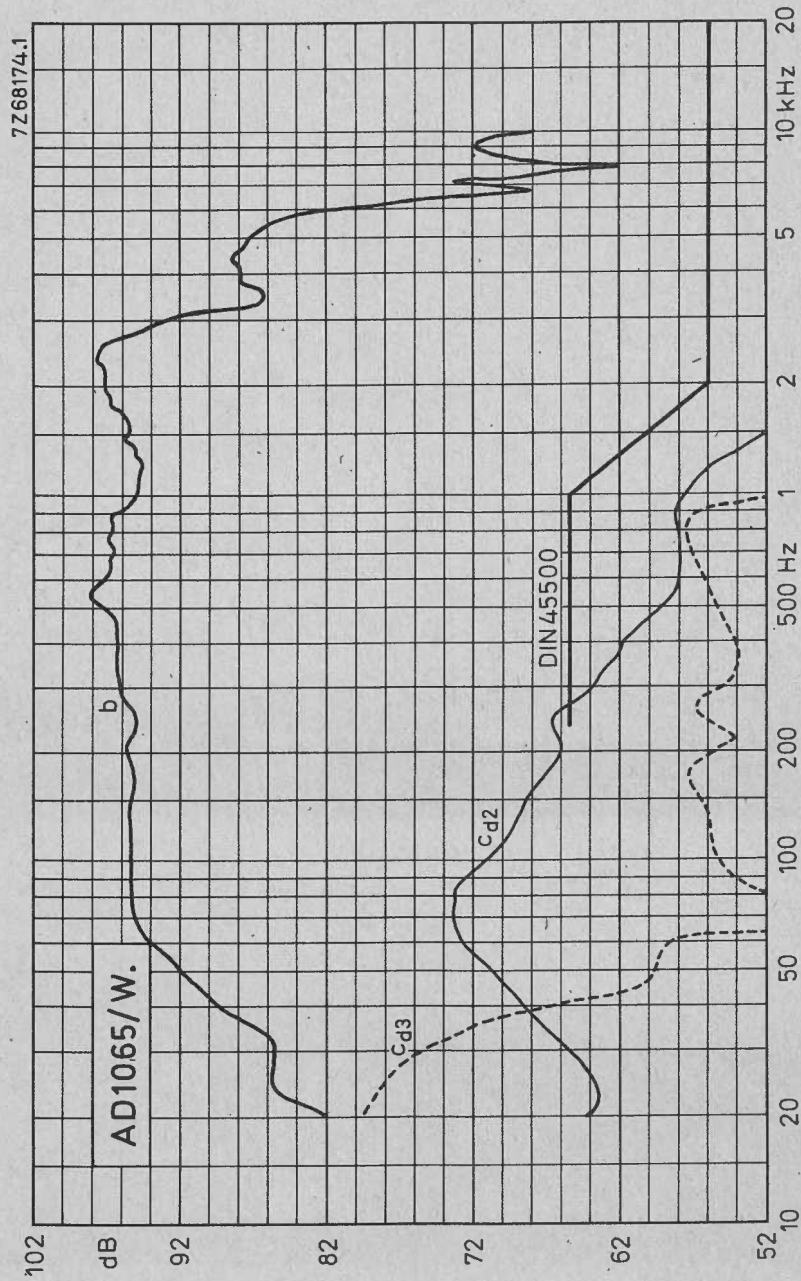


Fig 2