

12 inch HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high fidelity reproduction in sealed acoustic enclosures in accordance with DIN45500. Maximum enclosure volume 80 litres. Maximum recommended cross-over frequency 800 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 80 l sealed enclosure	30	30	W
Operating power	4,5	4,5	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.

AD1265/W.

12 inch HIGH POWER WOOFER
LOUDSPEAKER

Dimensions (mm)ⁿ

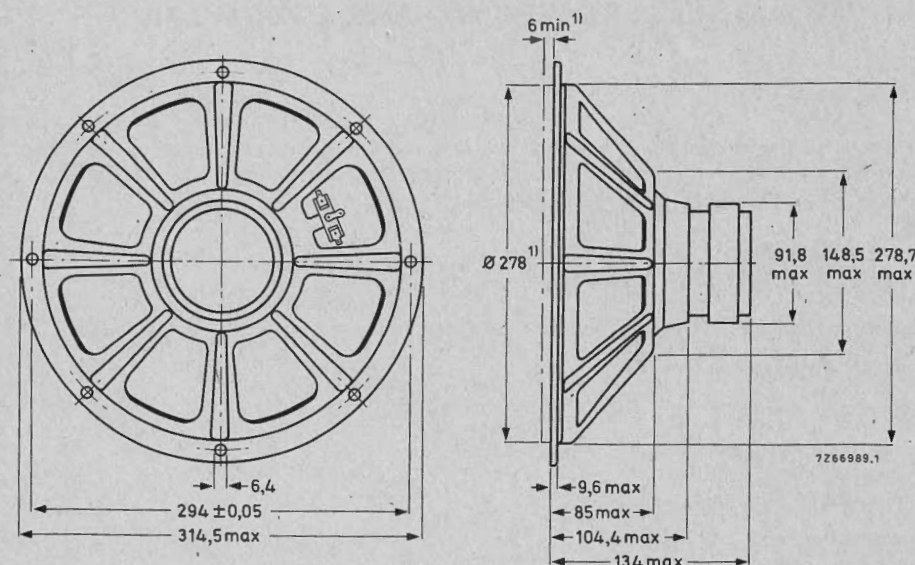


Fig. 1

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 1265/W4, catalogue number 2422 257 312.1

AD 1265/W8, catalogue number 2422 257 312.2

(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 4,5 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 4,5 W in
anechoic room. Loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg
of glass wool. Baffle dimensions 500 x 600 mm.

^{*)} Minimum packing quantity 1 per unit.

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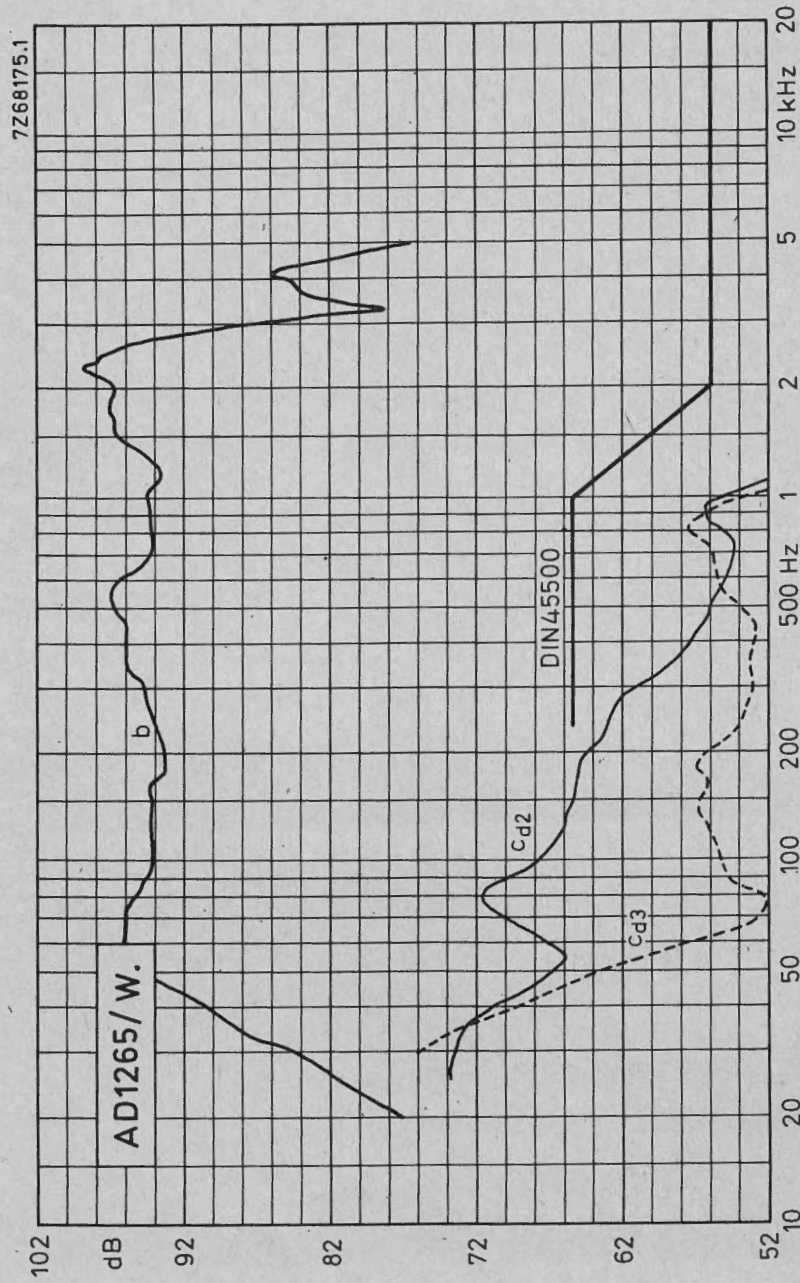


Fig. 2