

12 inch HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high fidelity reproduction in sealed acoustic enclosures in accordance with DIN45500. Recommended enclosure volume 80 litres. Maximum recommended cross-over frequency 700 Hz. Rated frequency range 30 to 700 Hz.

TECHNICAL DATA

	version		
	W4	W8	
Rated impedance	4	8	Ω
Voice coil resistance	3,4	6,5	Ω
Resonance frequency	19	19	Hz
Power handling capacity, measured without filter, mounted in 80 l sealed enclosure	40	40	W
Operating power	2	2	W
Sweep voltage	5	7	V
Energy in airgap	820	820	mJ
Flux density	1,03	1,03	T
Airgap height	8	8	mm
Voice coil height	15	17,2	mm
Core diameter	50	50	mm
Magnet material	Fxd	Fxd	
diameter	130	130	mm
weight	1,05	1,05	kg
Weight of loudspeaker	3,2	3,2	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)

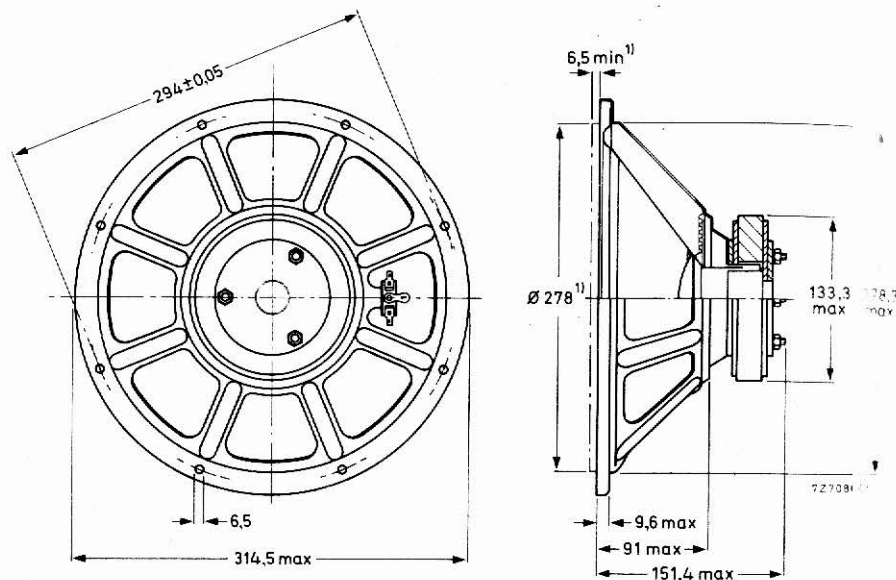


Fig. 1

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

AD 12100/W4, catalogue number 2422 257 413.1

AD 12100/W8, catalogue number 2422 257 413.2

(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 2 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 2 W in anechoic room. Loudspeaker mounted in 80 l enclosure, filled with 1 kg of glass wool.

*) Minimum packing quantity 1 per unit.

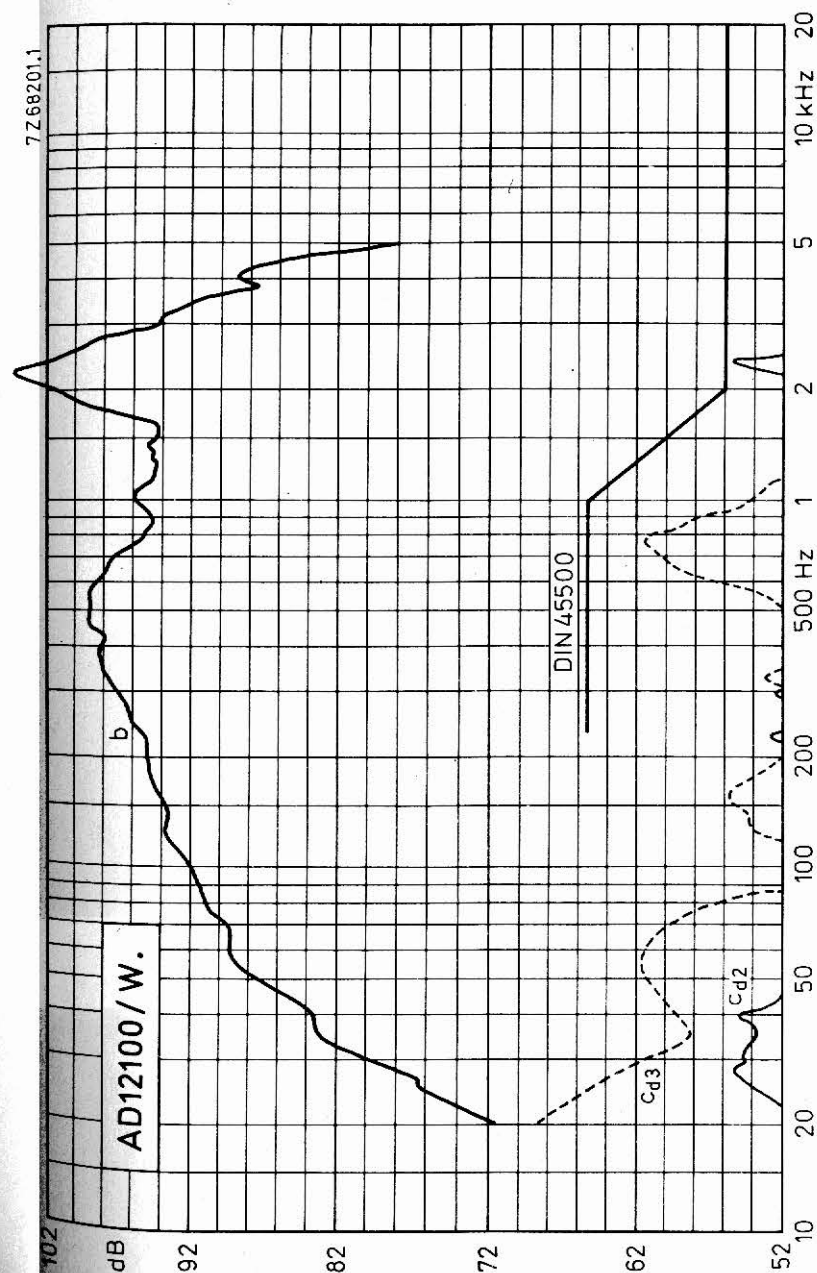


Fig. 2