

10 inch HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high fidelity reproduction in sealed acoustic enclosures in accordance with DIN45500. Recommended enclosure volume 35 litres. Maximum recommended cross-over frequency 800 Hz. Rated frequency range 35 to 800 Hz.

TECHNICAL DATA

	version		
	W4	W8	
Rated impedance	4	8	Ω
Voice coil resistance	3,4	6,5	Ω
Resonance frequency	25	25	Hz
Power handling capacity, measured without filter mounted in 35 l sealed enclosure	40	40	W
Operating power	2,5	2,5	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	3,0	3,0	kg

The loudspeaker has a rubber surround.

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

AD10100/W.

10 inch HIGH POWER WOOFER
LOUDSPEAKER

Dimensions (mm)

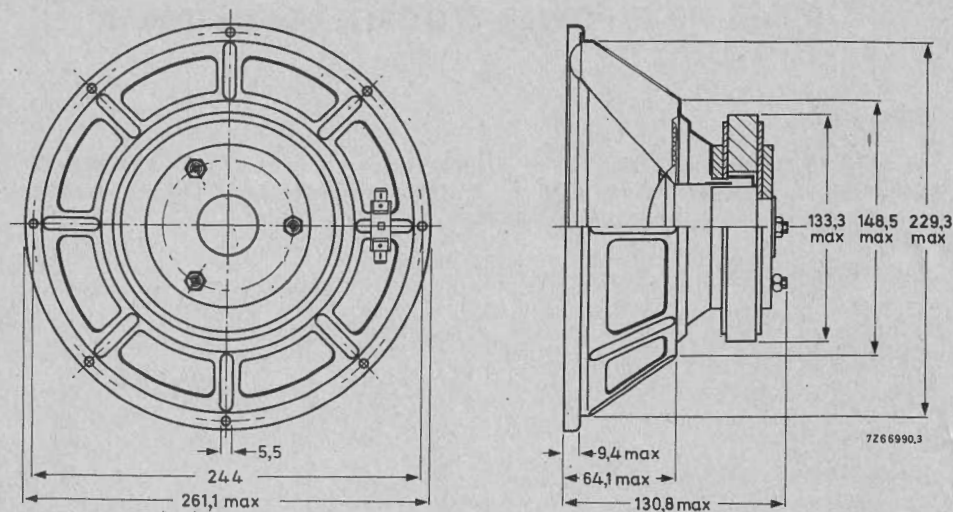


Fig. 1

Baffle hole diameter 227 mm

One tag is indicated by a red mark for in-phase connection.

AVAILABLE VERSIONS

AD 10100/W4. catalogue number 2422 257 412.1

AD 10100/W8. catalogue number 2422 257 412.2

(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 2,5 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 2,5 W in
anechoic room. Loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg
of glass wool.

*) Minimum packing quantity 1 per unit.

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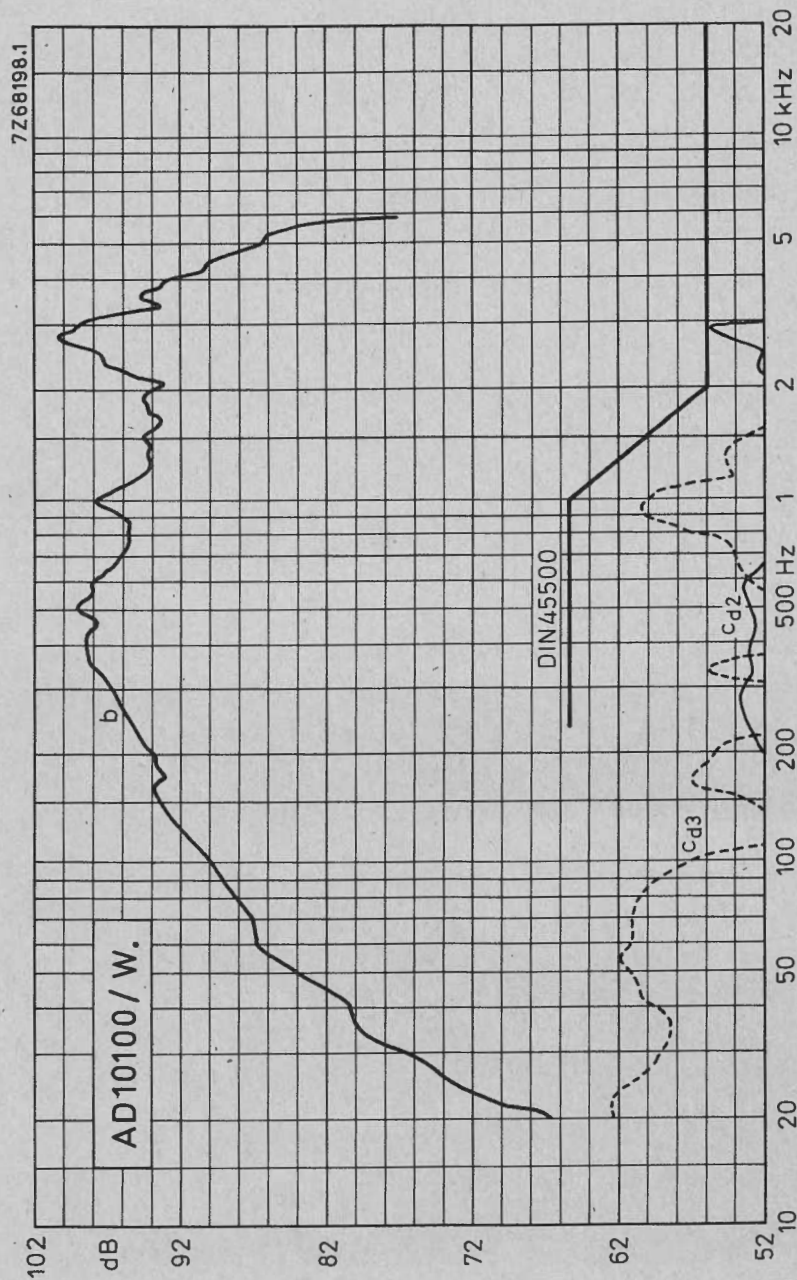


Fig. 2