8 inch HIGH POWER WOOFER LOUDSPEAKER

APPLICATION

For high fidelity reproduction according to DIN45500 in sealed acoustic enclosures. Maximum enclosure volume 25 litres. Maximum recommended cross-over frequency 3000 Hz.

TECHNICAL DATA

	version W4	version W8	
Rated impedance	4	8	Ω
Voice coil resistance	3,2	6,4	Ω
Resonance frequency	32	32	Hz
Power handling capacity, measured without filter, mounted in 25 l enclosure	40	40	W
Operating power	6	6	W
Sweep voltage	5	7	V
Energy in air gap	225	225	mJ
Flux density	0,7	0,7	T
Air-gap height	5	5	mm
Voice coil height	12,7	12,8	mm
Core diameter	34	34	mm
Magnet material	FXD	FXD	
diameter	90	90	mm
mass	0,42	0,42	kg
Mass of loudspeaker	1,3	1,3	kg

The loudspeaker has a rubber surround.

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

AD8067/W.

8 inch HIGH POWER WOOFER
LOUDSPEAKER

Dimensions (mm)

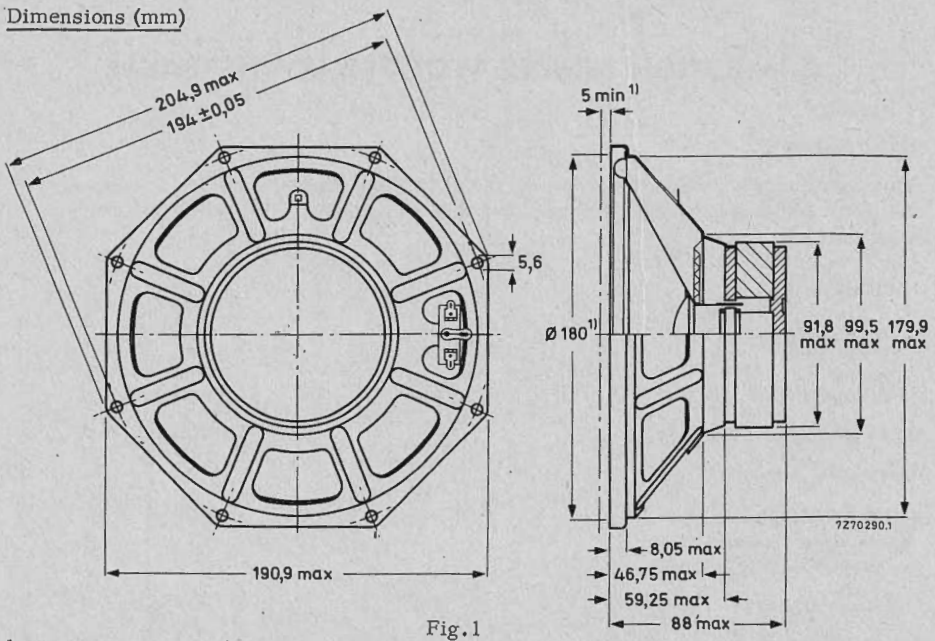

Fig.1

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

AD8067/W4, catalogue number 2422 257 386.1

AD8067/W8, catalogue number 2422 257 386.2

- 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 a : Sound pressure measured in anechoic room, loudspeaker unmounted. Above 1000 Hz the sound pressure may be, over the width of one octave, maximum 2 dB lower than indicated. Input power 50 mW (0,44 V).

Curve b : Sound pressure measured in half free field 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 6 W in anechoic room, loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg of glass wool.

Curve e : Maximum distortion according DIN45500, Blatt 7.

*) Minimum packing quantity 3 per unit.

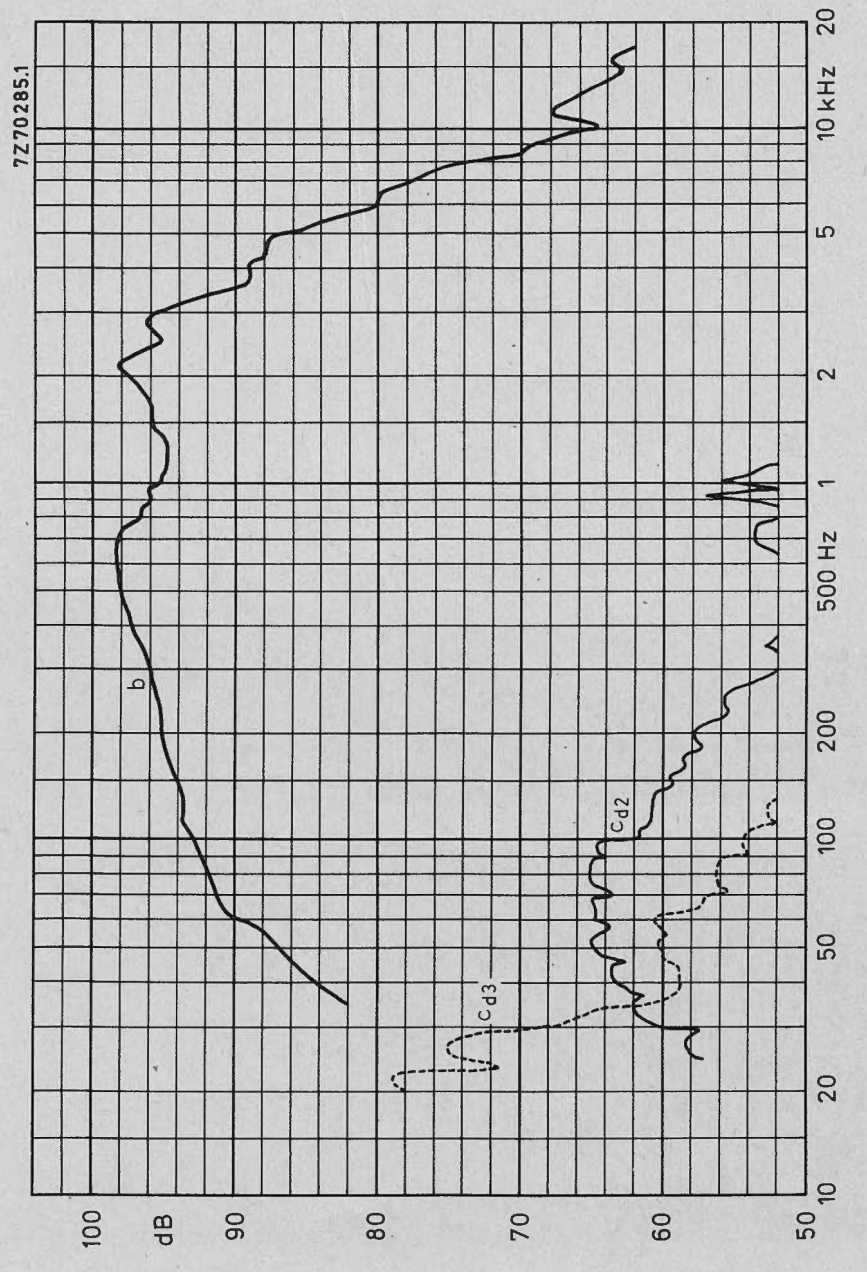
7Z70285.1
dB
100
90
80
70
60
50
10
20
50
100
200
500 Hz
1
2
5
10 kHz
20
b
A
c_{d2}
c_{d3}

Fig. 2