

## 2 inch HIGH POWER DOME SQUAWKER LOUDSPEAKER

### APPLICATION

For the reproduction of audio frequencies from 500 to 5000 Hz with very low distortion in multi-way high-fidelity loudspeaker systems according to DIN45500.

The loudspeaker has an excellent spherical radiation pattern.

### TECHNICAL DATA

	version	
	Sq4	Sq8
Rated impedance	4	8 $\Omega$
Voice coil resistance	3, 4	6, 6 $\Omega$
Resonance frequency	370	Hz
Rated frequency range	550 to 5000	Hz
Power handling capacity, measured with filter 36 $\mu$ F - 1, 2 mH 18 $\mu$ F - 2, 4 mH loudspeaker unmounted	60	W 60
Power handling capacity of speaker only	20	W
Operating power	5	W
Sweep voltage (100 to 10 000 Hz, filter 36 $\mu$ F - 1, 2 mH 18 $\mu$ F - 2, 4 mH)	4, 5	V 6, 3 V
Energy in air gap	0	mJ
Flux density	0, 8	T
Air-gap height	5	mm
Voice coil height	3, 3	3, 6 mm
Core diameter	50	mm
Magnet material	Ferroxdure	
diameter	102	mm
mass	0, 42	kg
Mass of loudspeaker	1	kg

The loudspeaker has a paper dome, textile rim and a sealed pot; no acoustic isolation required.

Connection to the loudspeaker is by means of 5,1 mm (0, 2 inch) Fastons or soldering.

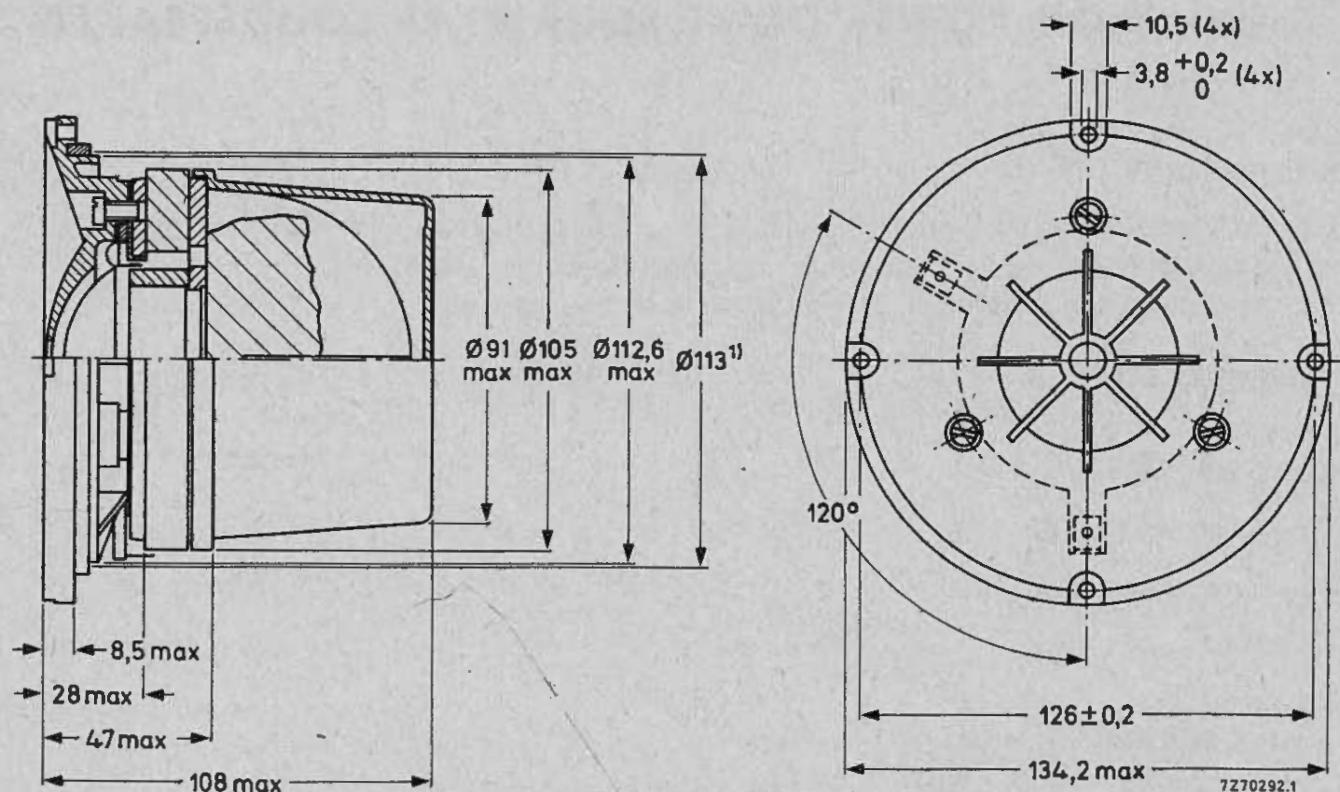
Dimensions (mm)

Fig. 1

¹) Baffle hole diameter 110 mm

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

**AVAILABLE VERSIONS**

AD0210/Sq4, catalogue number 2422 257 320.1

AD0210/Sq8, catalogue number 2422 257 320.2

(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 Input power 50 mW

Curve b: Sound pressure measured in anechoic room, loudspeaker mounted on DIN baffle at operating power.

Curve c: 2nd and 3rd harmonic distortion, measured at the operating power of 5 W in anechoic room. Loudspeaker front mounted on DIN baffle.

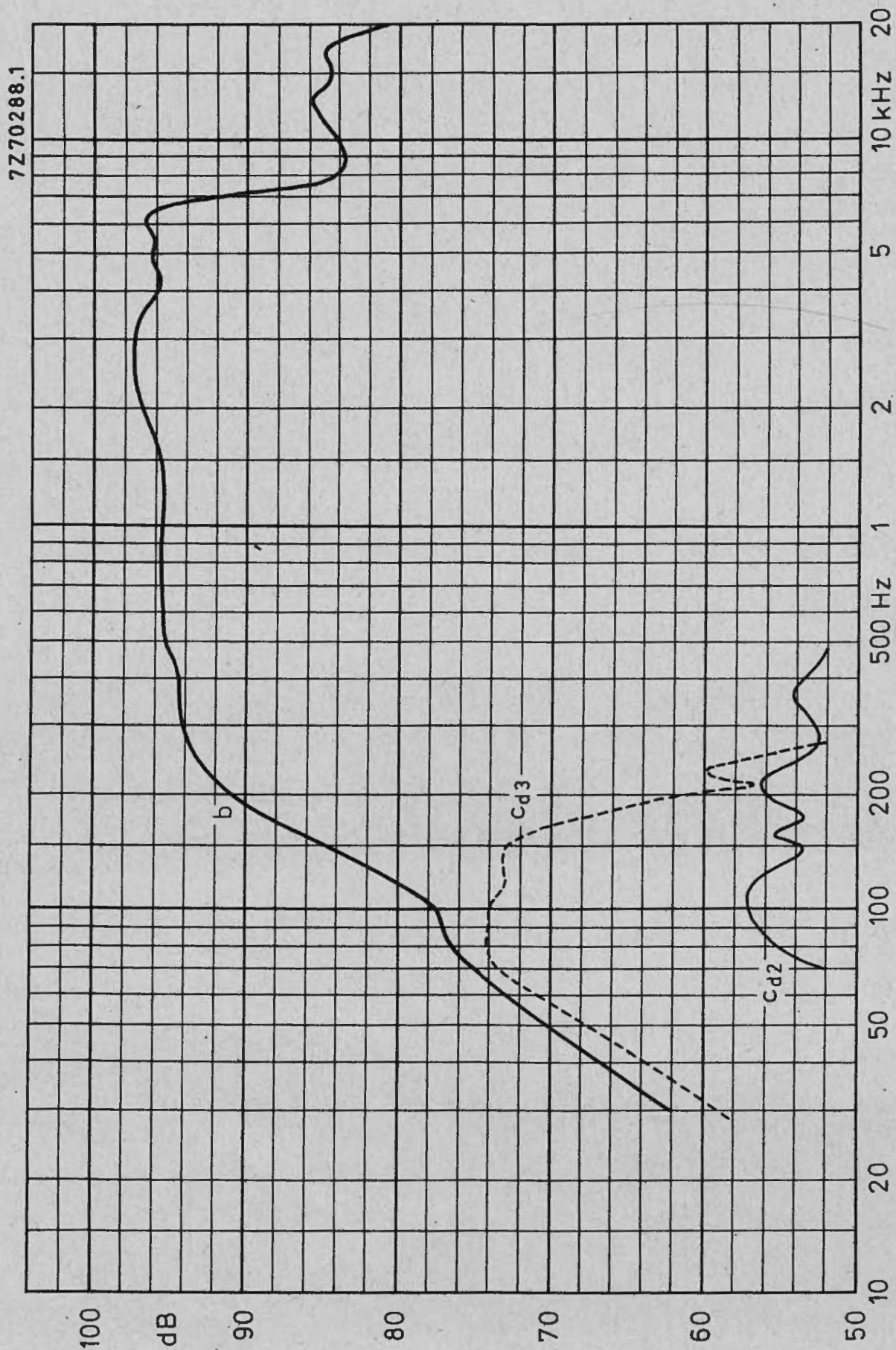


Fig. 2