

## MEDIUM POWER LOUDSPEAKERS (continued)

basic part of type number	cone dimensions		shape of flange	impedance version $\Omega$	power handling capacity W	page
	inches	mm				
AD5790/X.	5 x 7	132 x 182	oval	4/8	4	C79
AD5791/M.	5 x 7	132 x 182	oval	4/8	10	C83
AD7080/M.	7 $\phi$	165 $\phi$	octagonal	4/8/15	6	C87
AD7080/X.	7 $\phi$	165 $\phi$	octagonal	4/8	6	C91
AD7090/X.	7 $\phi$	165 $\phi$	octagonal	4/8	4	C95
AD7091/M.	7 $\phi$	165 $\phi$	octagonal	4/8/400/800	3	C99
AD7091/X.	7 $\phi$	165 $\phi$	octagonal	4/8/800	3	C103
AD8081/M.	8 $\phi$	205 $\phi$	octagonal	4/8	8	C107
AD8081/X.	8 $\phi$	205 $\phi$	octagonal	4/8	8	C111

## HIGH POWER FULL-RANGE LOUDSPEAKERS

AD3080/X4	3 $\phi$	87 $\phi$	round	4	6	D3
AD4060/M4	4 $\phi$	102 $\phi$	round	4	15	D7
AD5061/M.	5 $\phi$	128 $\phi$	octagonal	4/8	10	D11
AD7062/M.	7 $\phi$	166 $\phi$	octagonal	4/8	30	D15
AD70620/M.	7 $\phi$	165 $\phi$	round	4/8	30	D19
AD7063/M.	7 $\phi$	166 $\phi$	octagonal	4/8	10	D23
AD70630/M.	7 $\phi$	165 $\phi$	round	4/8	10	D27
9710/M8	8 $\frac{1}{2}$ $\phi$	217 $\phi$	round	8	20	D31
AD1065/M.	10 $\phi$	261 $\phi$	round	4/8/15	10	D35
AD1265/M.	12 $\phi$	311 $\phi$	round	4/8/15	20	D39
AD12100/HP.	12 $\phi$	311 $\phi$	round	4/8	50	D43
AD12100/M.	12 $\phi$	311 $\phi$	round	4/8/15	25	D47

## HIGH POWER TWEETER LOUDSPEAKERS

AD0140/T.	1 $\phi$	94 $\phi$	round	4/8	4	E3
AD0141/T.	1 $\phi$	94 $\phi$	round	4/8	4	E7
AD01600/T.	1 $\phi$	94 $\phi$	square	4/8/15	4	
AD01605/T.						E11
AD01610/T.	1 $\phi$	94 $\phi$	square	4/8/15	4	E15
AD0162/T.	1 $\phi$	94 $\phi$	round	8/15	4	E19
AD0163/T.	1 $\phi$	94 $\phi$	round	8/15	4	E23
AD01630/T.	1 $\phi$	94 $\phi$	square	8/15	4	
AD01631/T.						E27
AD01632/T.	1 $\phi$	94 $\phi$	square	8/15	6	
AD01633/T.						E31
AD2095/T.	2 $\phi$	51 $\phi$	round	4/8/15	2.5	
AD2295/T.			square			E35
AD2096/T.	2 $\phi$	50 $\phi$	round	4	3	E39
AD2273/T.	2 $\frac{1}{2}$ $\phi$	58 $\phi$	square	4/8	3	
AD2274/T.						E43

## HIGH POWER SQUAWKER LOUDSPEAKERS

basic part of type number	cone dimensions		shape of flange	impedance version $\Omega$	power handling capacity W	page
	inches	mm				
AD0210/Sq.	2 $\phi$	134 $\phi$	round	4/8	20	F3 F7 F11
AD0211/Sq.						
AD5060/Sq.	5 $\phi$	128 $\phi$	octagonal	4/8	10	
AD5061/Sq.	5 $\phi$	129 $\phi$	octagonal	4/8	10	

## HIGH POWER WOOFER LOUDSPEAKERS

AD4050/W.	4 $\phi$	101 $\phi$	round	4/8	15	G3
AD4060/W.	4 $\phi$	101 $\phi$	round	4/8	15	G7
AD5060/W.	5 $\phi$	129 $\phi$	octagonal	4/8	10	G11
AD7060/W.	7 $\phi$	166 $\phi$	octagonal	4/8	30	G15
AD70601/W.	7 $\phi$	166 $\phi$	round	4/8	30	G19
AD70610/W.	7 $\phi$	166 $\phi$	round	4/8	30	
AD70611/W.						G23
AD70650/W.	7 $\phi$	166 $\phi$	round	4/8	40	G27
AD7066/W.	7 $\phi$	166 $\phi$	octagonal	4/8	40	G31
AD80601/W.	8 $\phi$	204 $\phi$	round	4/8	50	
AD80602/W.						G35
AD8061/W.	8 $\phi$	204 $\phi$	octagonal	4/8	30	G39
AD80651/W.	8 $\phi$	204 $\phi$	round	4/8	50	
AD80652/W.						G43
AD8066/W.	8 $\phi$	204 $\phi$	octagonal	4/8	40	G47
AD80671/W.	8 $\phi$	204 $\phi$	round	4/8	60	
AD80672/W.						G51
AD1065/W.	10 $\phi$	261 $\phi$	round	4/8	30	G55
AD10100/W.	10 $\phi$	261 $\phi$	round	4/8	40	G59
AD10200/W.	10 $\phi$	261 $\phi$	round		80	
AD10600/W.	10 $\phi$	261 $\phi$	round		40	
AD10650/W.	10 $\phi$	261 $\phi$	round		60	G63
AD12200/W.	12 $\phi$	311 $\phi$	round	4/8	80	G65
AD12250/W8	12 $\phi$	311 $\phi$	round	8	100	G69
AD12600/W.	12 $\phi$	311 $\phi$	round	4/8	40	G73
AD12650/W.	12 $\phi$	311 $\phi$	round	4/8	60	G77

## ACCESSORIES

## Passive radiators

AD8000	8 $\phi$	205 $\phi$	octagonal			H3
AD8001	8 $\phi$	205 $\phi$	round			
AD8002						H5
AD1200	12 $\phi$	311 $\phi$	round			H7



## GENERAL

catalogue number	type number	catalogue number	type number
2422 257 33211	AD0141/T4	2422 257 35705	AD5081/M4
33212	T8	35706	M8
33312	AD0162/T8	35707	M15
33313	T15	35708	M25
33402	AD0163/T8	36101	AD5780/X4
33403	T15	36102	X8
33501	AD01600/T4	36103	X15
33502	T8	36104	X25
33503	T15	36105	M4
33511	AD01605/T4	36106	M8
33512	T8	36107	M15
33513	T15	36108	M25
33601	AD01610/T4	37801	AD7080/X4
33602	T8	37802	X8
33603	T15	37803	M4
33802	AD01630/T8	37804	M8
33803	T15	37805	M15
33805	AD01632/T4	37906	AD7063/M4
33806	T8	37907	M8
33807	T15	37911	AD7060/W4
33815	AD01633/T4	37912	W8
33816	T8	37915	AD70610/W4
33817	T15	37916	W8
34301	AD4080/X4 *	37917	AD70611/W4
34302	X8 *	37918	W8
34303	X15 *	38211	AD8081/M4
34304	X25 *	38212	M8
34311	AD4481/X4	38213	X4
34519	AD3080/X4	38214	X8
34601	AD4060/W4	38405	AD8061/W4
34602	W8	38406	W8
34619	M4	38501	AD8066/W4
35301	AD5060/W4	38502	W8
35302	W8	38601	AD8067/W4 *
35511	AD5061/M4	38602	W8 *
35512	M8	38605	MFB *
35401	AD5060/Sq4	39101	AD6980/X4 *
35402	Sq8	39102	X8 *
35405	AD5061/Sq4	39103	M4 *
35406	Sq8	39104	M8 *
35511	M4	41001	AD1065/M4
35512	M8	41002	M8
35701	AD5081/X4	41003	M15
35702	X8		
35703	X15		
35704	X25		

\* Obsolete type.

## 1 INCH HIGH POWER DOME TWEETER LOUDSPEAKERS

## APPLICATION

For high power, high-fidelity loudspeaker systems. The tweeter has a wide radiating pattern due to its nearly flat conical front.

## TECHNICAL DATA

	version		
	T4	T8	T15
Rated impedance	4	8	15 $\Omega$
Voice coil resistance	3,4	6,3	12,5 $\Omega$
Rated frequency range		750 to 22 000	Hz
Resonance frequency		1250	Hz
Power handling capacities, a/b (see Fig. 1), loudspeaker unmounted,			
at 2000 Hz; C = 12 $\mu$ F; L = 0,35 mH	20/4		W
at 2000 Hz; C = 8 $\mu$ F; L = 0,5 mH		20/4	W
at 2000 Hz; C = 3,3 $\mu$ F; L = 1 mH			20/4 W
at 4000 Hz; C = 5 $\mu$ F; L = 0,2 mH	50/6		W
at 4000 Hz; C = 3,2 $\mu$ F; L = 0,35 mH		50/6	W
at 4000 Hz; C = 1,5 $\mu$ F; L = 0,8 mH			50/6 W
Operating power		4	W
Sweep voltage, frequency range: 500 to 20 000 Hz high pass filter:			
12 $\mu$ F — 0,35 mH	3,2		V
8 $\mu$ F — 0,5 mH		4,5	V
3,3 $\mu$ F — 1 mH			5,5 V
Energy in air gap		75	mJ
Flux density		1,2	T
Air-gap height		2,5	mm
Voice coil height	2,4	3,2	mm
Core diameter		25	mm
Magnet material		ceramic	
diameter		72	mm
mass		0,24	kg
Mass of loudspeaker		0,5	kg

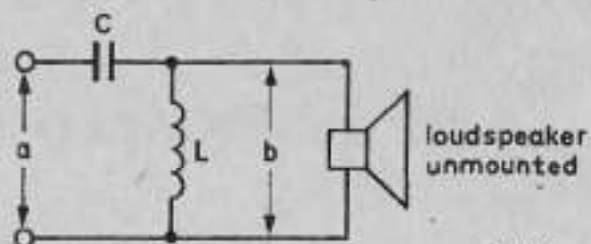
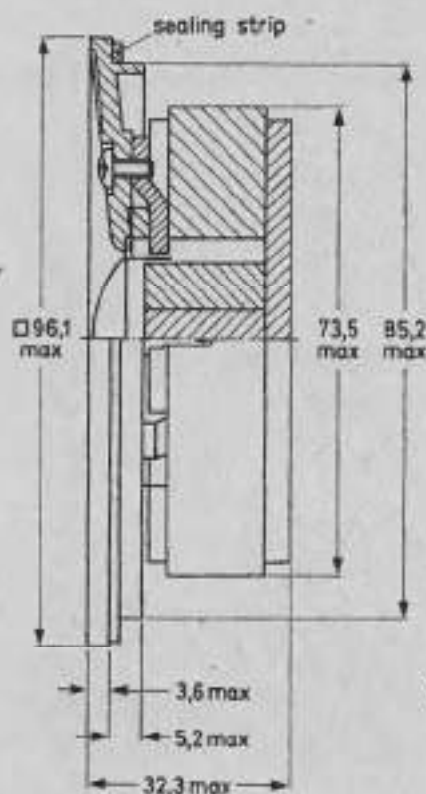
The loudspeaker has an impregnated textile dome. It is provided with an acoustic sealing strip at the back of the square flange. Connection to the tweeter by means of tag connectors or by soldering.



Fig. 1 Measuring circuit.

a = system power handling capacity.  
b = loudspeaker power handling capacity.

Dimensions (mm)



1275016

Fig. 2.

One tag is indicated by a red mark for in-phase connection. Face of loudspeaker should not lie behind plane of baffle.

## AVAILABLE VERSIONS

AD01610/T4, catalogue number 2422 257 336 . 1

AD01610/T8, catalogue number 2422 257 336 . 2

AD01610/T15, catalogue number 2422 257 336 . 3

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. 3)

Curve a: Sound pressure measured in anechoic room, loudspeaker unmounted.

Curves d2 and d3: 2nd and 3rd harmonic distortion, measured at the operating power of 4 W in anechoic room, loudspeaker front mounted on IEC baffle.

\* Minimum packing quantity 10 per unit.

## DEVELOPMENT SAMPLE DATA

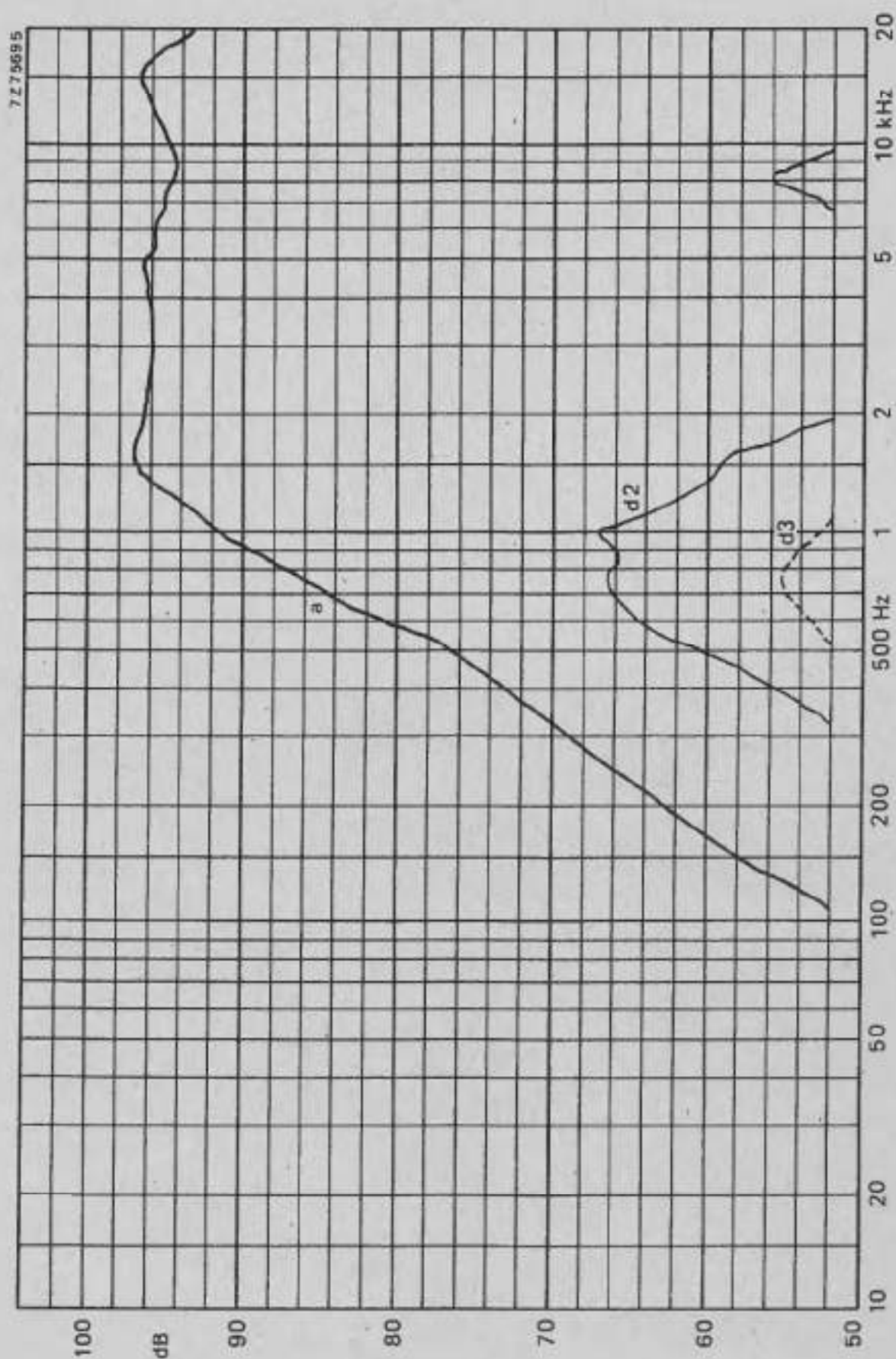


Fig. 3.

## 8 inch HIGH POWER WOOFER LOUDSPEAKER

### APPLICATION

For high fidelity reproduction in sealed acoustic enclosures. Maximum enclosure volume 25 litres. Maximum recommended cross-over frequency 2000 Hz.  
Rated frequency range 30 to 5000 Hz.

### TECHNICAL DATA

	version	
	W4	W8
Rated impedance	4	8 $\Omega$
Voice coil resistance	4,3	8 $\Omega$
Resonance frequency	42	42 Hz
Power handling capacity, measured without filter, mounted in 25 l sealed enclosure	30	30 W
Operating power	3,4	3,4 W
Sweep voltage	5	7 V
Energy in air gap	135	140 mJ
Flux density	0,87	0,93 T
Air-gap height	5	5 mm
Voice coil height	11	11 mm
Core diameter	25	25 mm
Magnet material	ceramic	ceramic
diameter	72	72 mm
mass	0,26	0,26 kg
Mass of loudspeaker	0,8	0,8 kg

The loudspeaker has a paper cone and a rubber surround.

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



## Dimensions (mm)

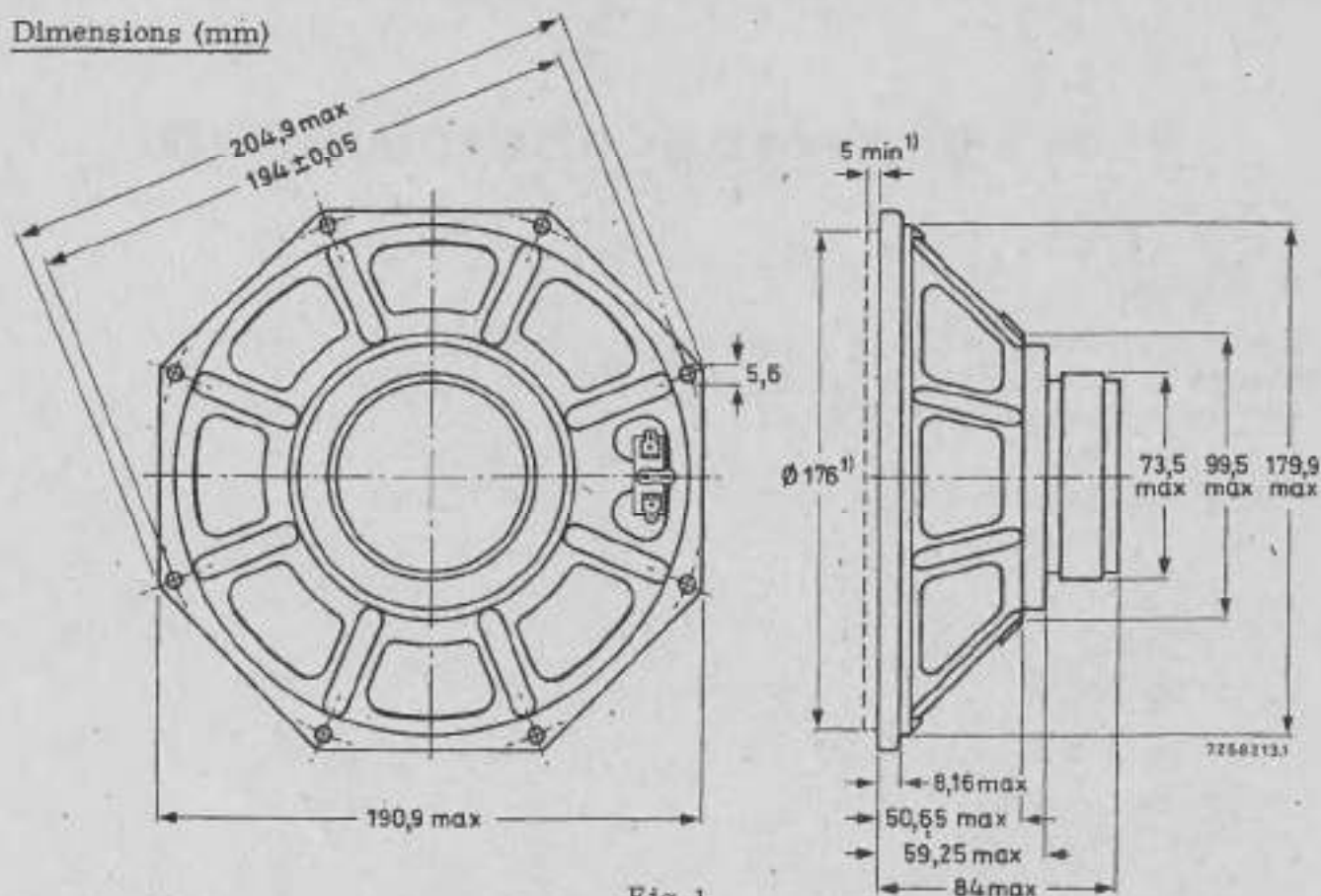


Fig. 1

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

AD8061/W4, catalogue number 2422 257 384.5

AD8061/W8, catalogue number 2422 257 384.6

(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. Loudspeaker mounted in sealed 80 l enclosure, filled with 1 kg of glass wool.

Curve c: 2<sup>nd</sup> and 3<sup>rd</sup> harmonic distortion, measured at the operating power of 3,4 W in anechoic room, loudspeaker mounted in 80 l enclosure, filled with 1 kg of glass wool.

\*) Minimum packing quantity 3 per unit.



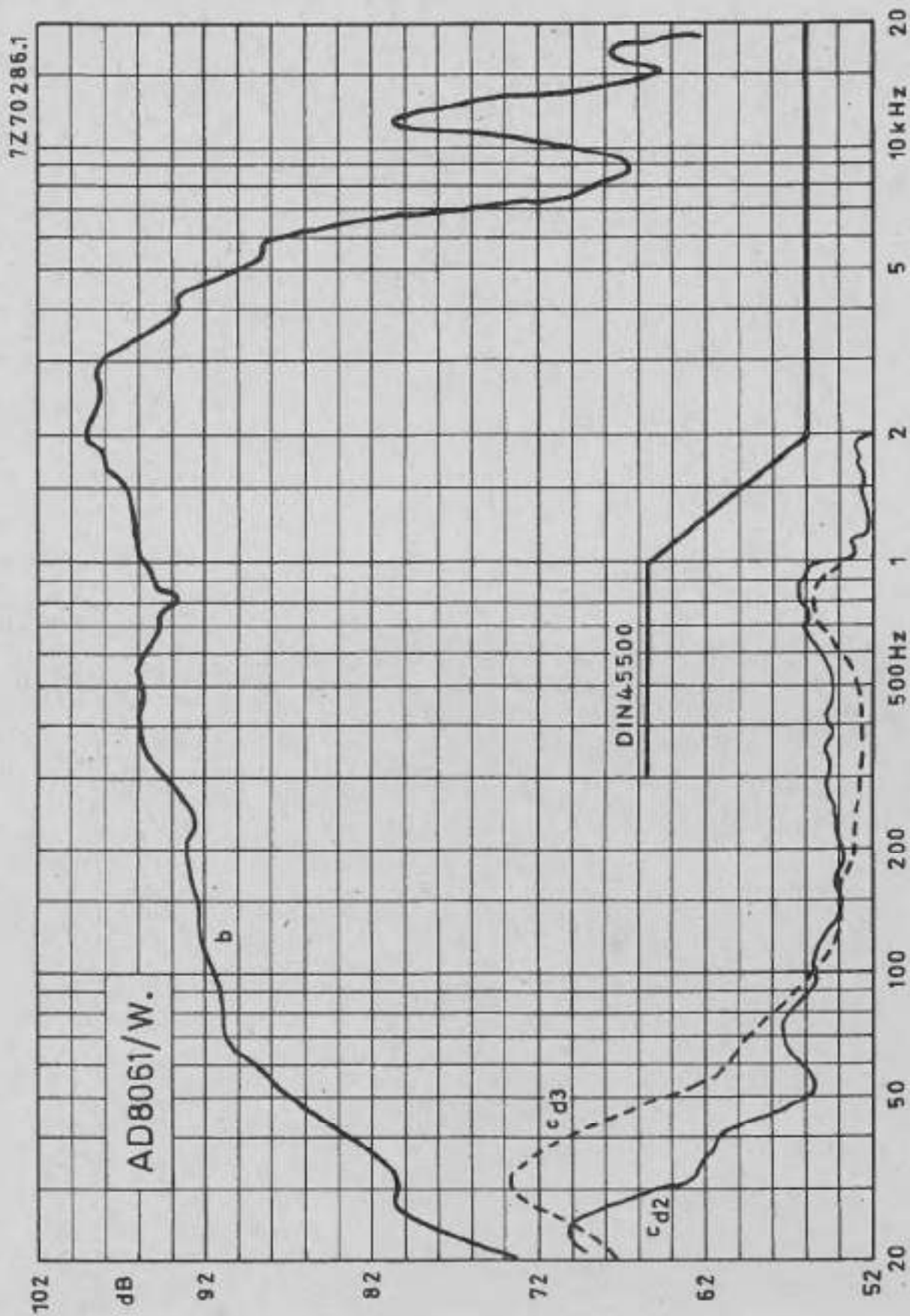


Fig. 2