



# 21 F-WB

## 21 F-WB, 8" High Fidelity woofer

Chassis: magnesium, injection moulded, black.

Surround: foam.

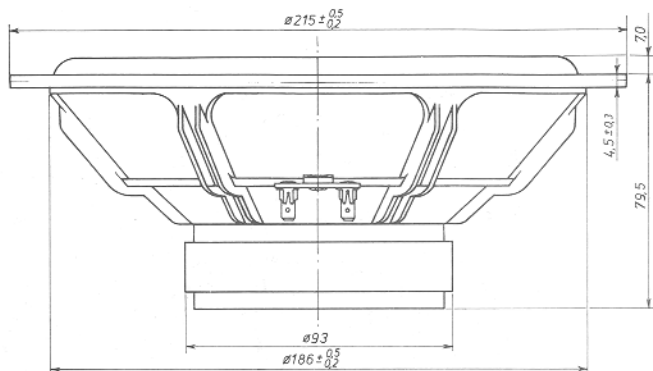
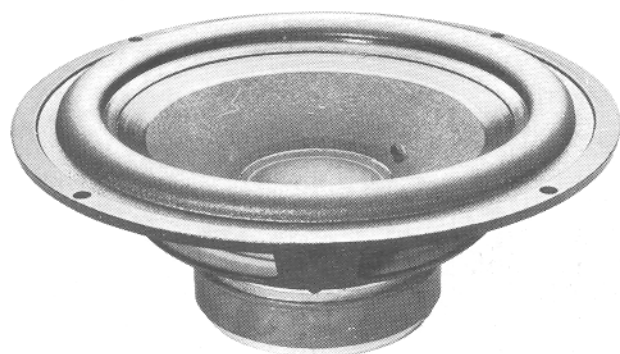
Cone: paper, edge coated.

Dust Cap: paper.

Mounting holes: 4 x 5 mm, equispaced on PCD 207 mm

The 21 F-WB is a high efficiency woofer with very high power handling capacity. Unconventional design of the magnet system in this woofer yields very low distortion in the low frequency range.

The special suspension stiffness characteristic reduces drastically the problems of delayed cone excursions which are typical for bass reflex systems at high power levels. The result is reduced transient and inter-modulation distortion.



### Technical data:

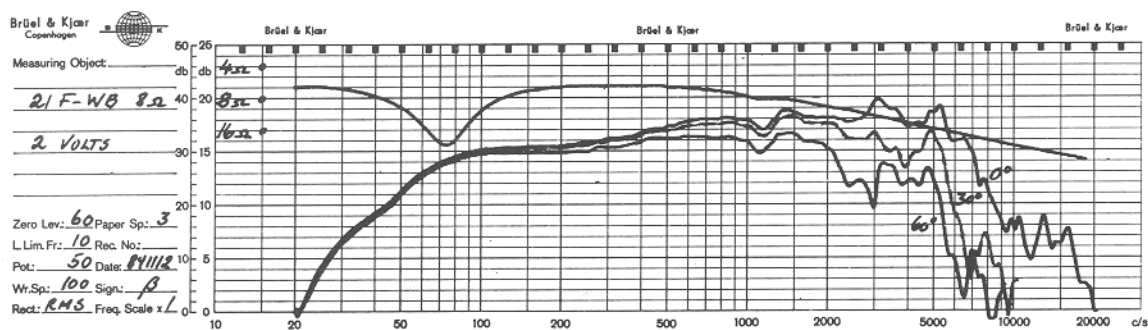
### 8 ohms

Recommended frequency range	38 - 3000	Hz	Voice coil inductance	1,1	mH
Nominal power (DIN 45573)	60	W	Voice coil resistance	6,1	ohms
Music power (DIN 45 500)	100	W	Effective diaphragm area	230	cm <sup>2</sup>
Characteristic sensitivity (1m, 1w)	92	dB SPL	Moving mass	15	g
Operating power (DIN 45500)	2,5	W	Air load mass in baffle	2	g
Voice coil diameter	39	mm	Free air resonance	35	Hz
Voice coil height	12	mm	Mechanical suspension resistance	1,7	Ns/m
Air gap height	6	mm	Thiele - small parameters		
Flux density	0,85	T	Vas	90	litres
Force factor	7,0	Wb/m	Qms	2,2	
Recommended enclosure volumes:			Qes	0,47	
Closed cabinet	20 - 30	litres	Qts	0,38	
Bass reflex cabinet	20 - 30	litres			
Weight	1,20	kg			
Magnet weight	0,42	kg			

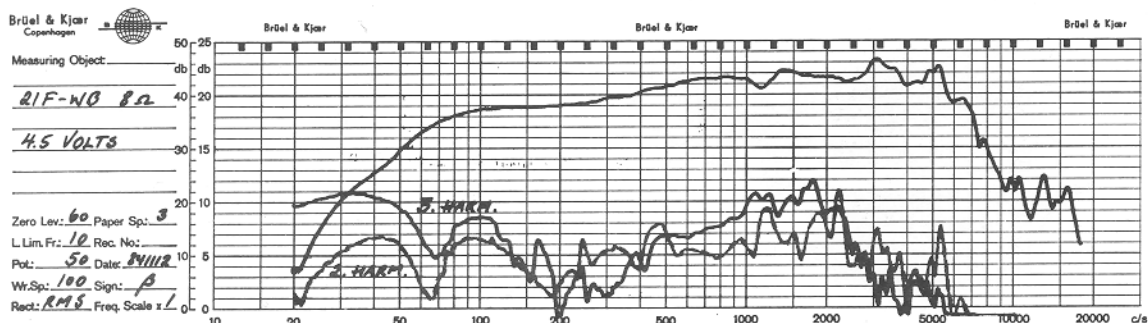
### NOTES:

Response curves recorded in anechoic chamber (Free-Field,  $4\pi$ -radiation) with 0.5 m microphone distance. The loudspeaker is mounted in a closed box of 20 l net volume:

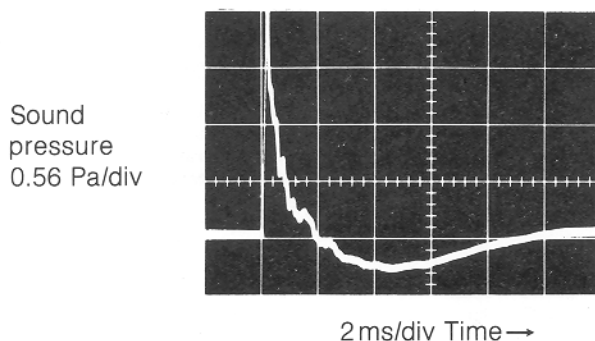
A Sound pressure on and off axis, and impedance:



B Sound pressure and distortion on axis. The distortion components are raised by 20 dB:



C Sound pressure response to 4 Volts step function:



**seas**

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Note: New telex no. 78419 SEAS N from June 20. 1985