



13 F-GMBX

13 F-GMBX, 5" High Fidelity midrange unit.

Chassis: steel plate, black.

Surround: foam, coated.

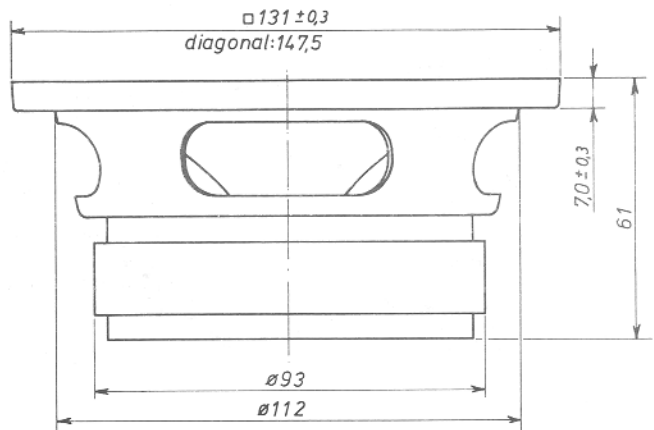
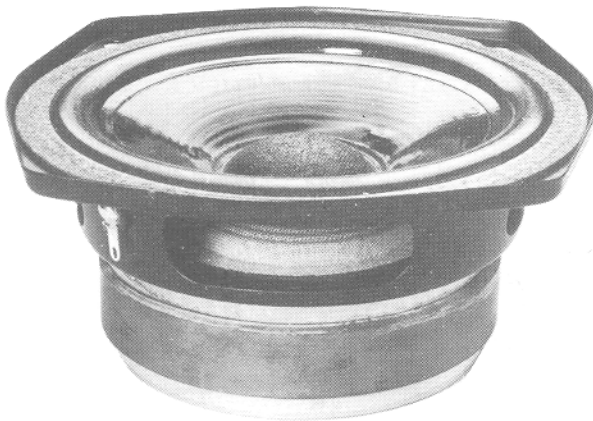
Cone: paper, coated.

Dust Cap: textile, coated.

Mounting holes: 4 x 5 mm, equispaced on PCD 134 mm

This unit represents a large step toward uncoloured sound with excellent transient response and remarkably smooth frequency response in the difficult midrange area. The low resonance frequency makes it possible to apply this unit with a low crossover frequency without major phase problems.

The extra large magnet system yields high sensitivity, ideal low frequency response and a well behaved low frequency roll off. An acoustically optimized plastic enclosure is available.



Technical data:

8 ohms

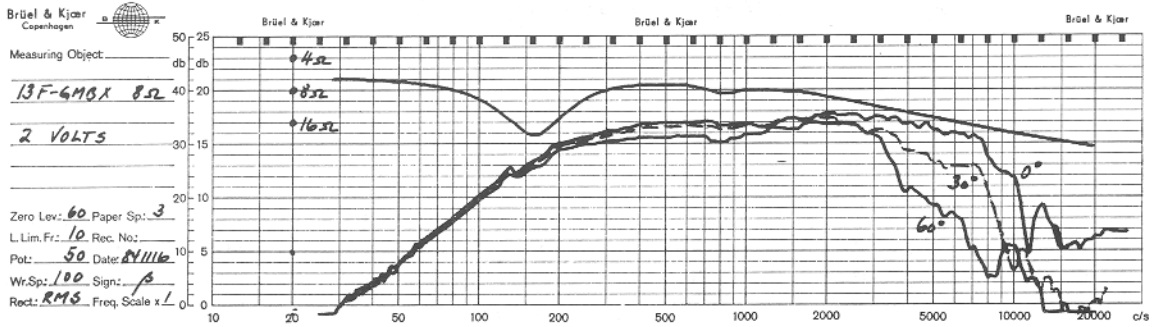
Recommended frequency range	150 - 4000	Hz	Voice coil inductance	0,9	mH
Nominal power (DIN 45573)	100	W 1)	Voice coil resistance	6,1	ohms
Music power (DIN 45 500)	-	W	Effective diaphragm area	80	cm ²
Characteristic sensitivity (lm, lw)	92	dB SPL	Moving mass	5,5	g
Operating power (DIN 45500)	2,5	W	Air load mass in baffle	0,5	g
Voice coil diameter	26	mm	Free air resonance	75	Hz
Voice coil height	7,8	mm	Mechanical suspension resistance	1,3	Ns/m
Air gap height	5,0	mm	Thiele - small parameters		
Flux density	1,25	T	Vas	7	litres
Force factor	6,5	Wb/m	Qms	2,2	
Recommended enclosure volumes:			Qes	0,41	
Closed cabinet	1,5 - 4	litres	Qts	0,34	
Weight	1,20	kg			
Magnet weight	0,42	kg			

1) Crossover frequency 600 Hz, 6 dB/oct.

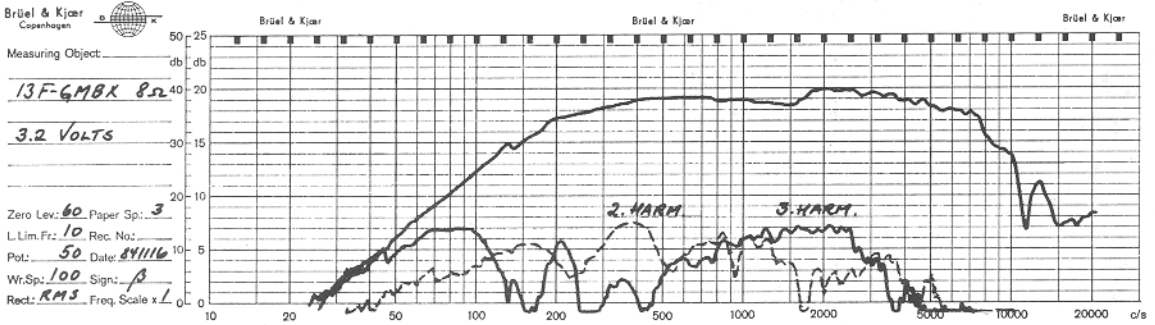
NOTES:

Response curves recorded in anechoic chamber (Free-Field, 4π -radiation) with 0.5 m microphone distance. The loudspeaker with a chamber of 1.7 l net volume is mounted in a 0.23 m by 0.40 m baffle:

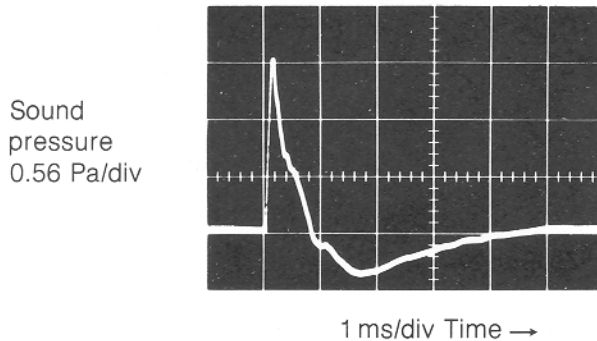
A Sound pressure on and off axis, and impedance:



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



C Sound pressure response to 4 Volts step function:



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