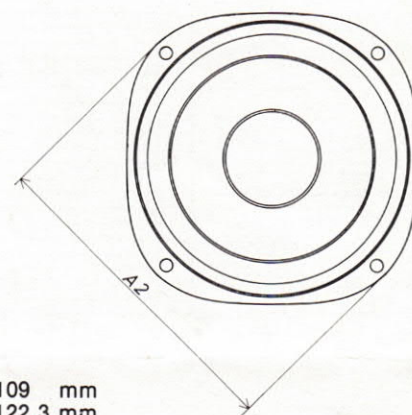
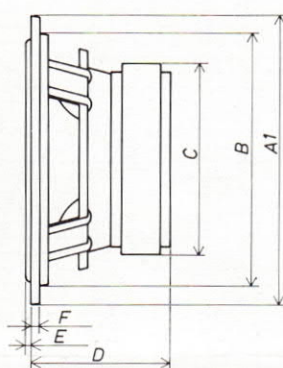


SEAS

11F-M - 4 1/2" High Fidelity midrange unit

The 11F-M is fitted with paper cone and foam surround. The midrange reproduction has been optimized by making a proper impedance matching between cone and surround and by coating the cone with damping material. In this way cone resonance problems have been drastically reduced, and a very smooth frequency response is achieved. The power handling capacity is very high, and the speaker will easily fit into a 100 W 3-way system. The chassis is available in black or silver finish. An acoustically optimized enclosure can also be delivered.



A1:	109	mm
A2:	122,3	mm
B:	∅ 95,4	mm
C:	∅ 72	mm
D:	53,5	mm
E:	0,8	mm
F:	4,5	mm

Technical data:	4 Ω	8 Ω
Recommended enclosure volumes:		
Closed box	1,5 - 3 litres	
Bass reflex		-
Recommended frequency range	400 - 5000 Hz	
Lower limiting frequency (DIN 45500)	-	
Upper limiting frequency (DIN 45500)	-	
Free air resonance	150 Hz	
Operating power (DIN 45500)	5,0 W	
Characteristic sensitivity	89 dB	
Nominal power (DIN 45573)	100 W ¹⁾	
Music power (DIN 45500)	-	
Flux density	1,10 T	
Force factor (BI product)	4,2Wb/m	4,7Wb/m
Voice coil diameter	26 mm	
Voice coil height	5,8 mm	
Air gap height	4,0 mm	
Voice coil resistance	3,1 Ω	6,5 Ω
Effective diaphragm area	55 cm ²	
Moving mass	4,0 g	
Air load mass in baffle	0,5 g	
Mechanical suspension resistance	-	
Weight	0,53 kg	

1) Crossover over frequency 800 Hz, 6dB/oct

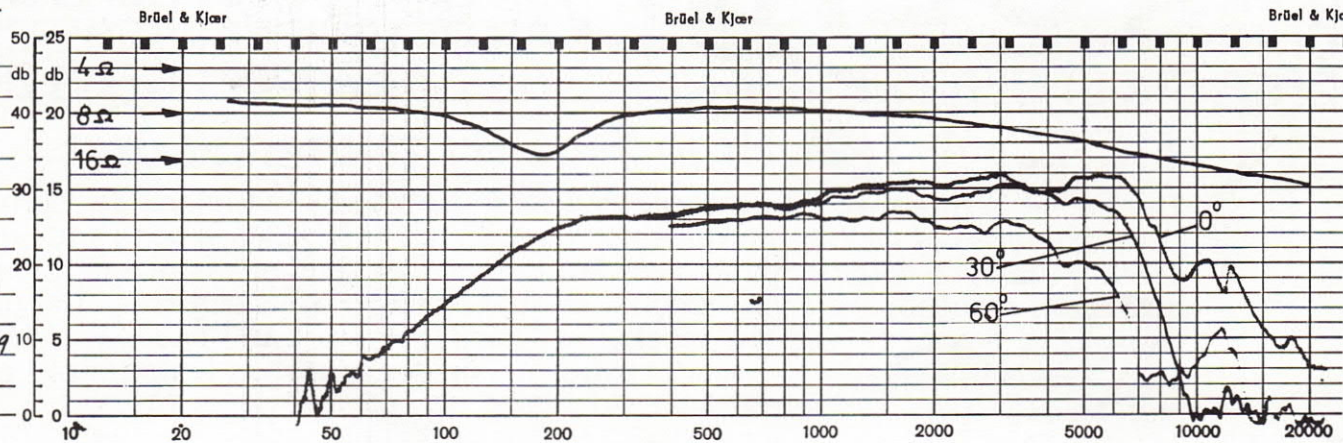
Response curves recorded in anechoic room (free field, 4π -radiation)

Brüel & Kjær
Copenhagen

Measuring Object:
11F-M 8 Ω
2V/0,5m
3l closed box

Impedance

Zero Lev.: 60 Paper Sp.: 3
L. Lim. Fr.: 10 Rec. No.:
Pot.: 50 Date: 770419
Wr.Sp.: 100 Sign.: ω
Rect.: RMS Freq. Scale x
QP 0123

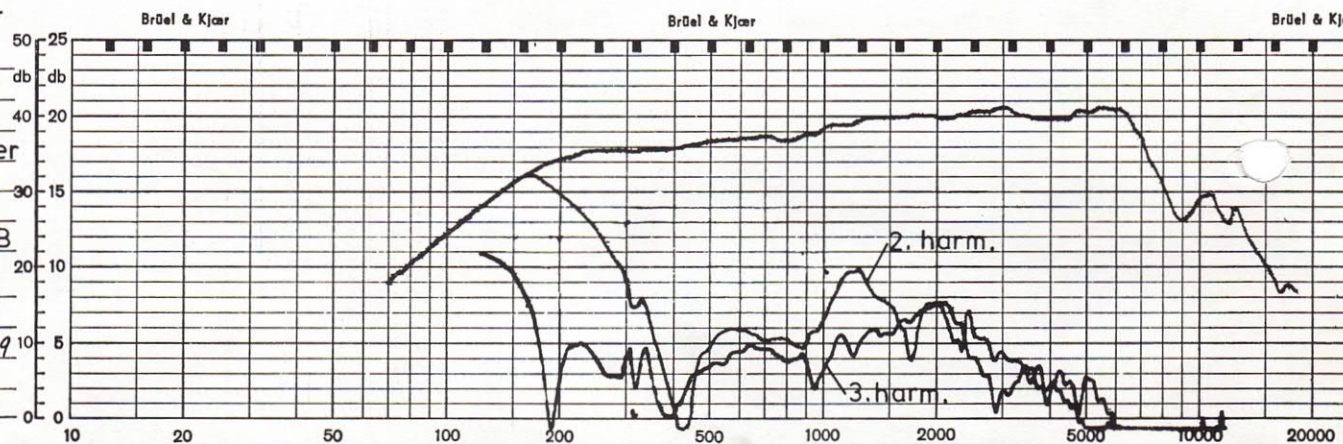


Brüel & Kjær
Copenhagen

Measuring Object:
11F-M 8 Ω
Distortion at
operating power

Harmonics
raised by 20dB

Zero Lev.: 60 Paper Sp.: 3
L. Lim. Fr.: 10 Rec. No.:
Pot.: 50 Date: 770419
Wr.Sp.: 100 Sign.: ω
Rect.: RMS Freq. Scale x
QP 0123



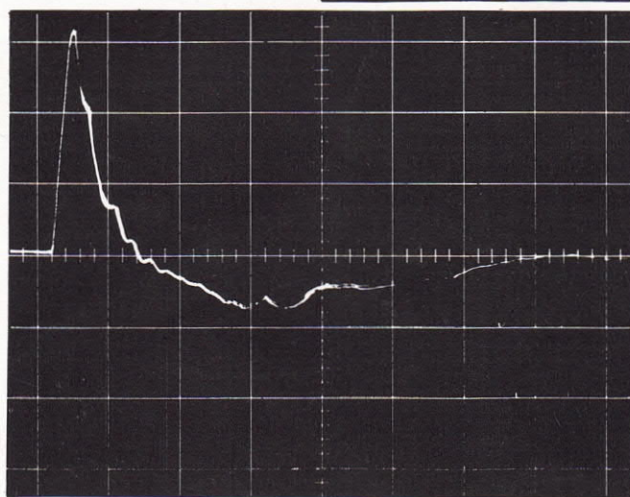
Transient response:

Measured in 3 litres closed box, measuring distance 1 m.

INPUT PULSE:

4v STEP FUNCTION

↑
Sound
pressure
0,2 Pa/div



0,5 ms/div

time →

009-780310



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