



25F-EW

25 F-EW, 10" High Fidelity woofer.

Chassis: magnesium, injection moulded, black.

Surround: rubber.

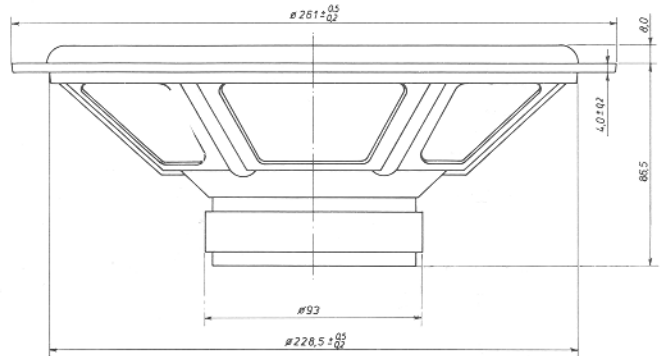
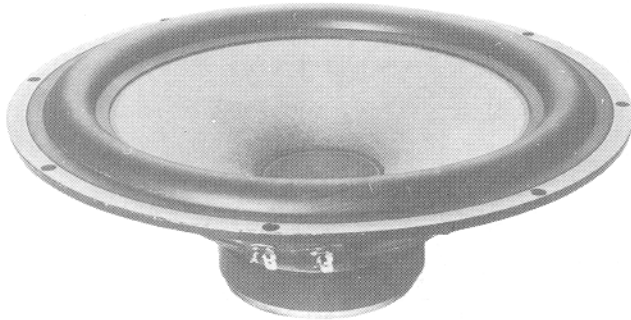
Cone: paper.

Dust Cap: paper.

Mounting holes: 8 x 5 mm, equispaced on PCD 253 mm

Proper matching of all the elements has given this woofer a smooth frequency response and a good transient response. The natural roll off characteristic simplifies crossover design. Even in a rather small box the

lower limiting frequency will be low. The four layer voice coil secures a good utilization of the magnet system resulting in a high force factor.



Technical data:

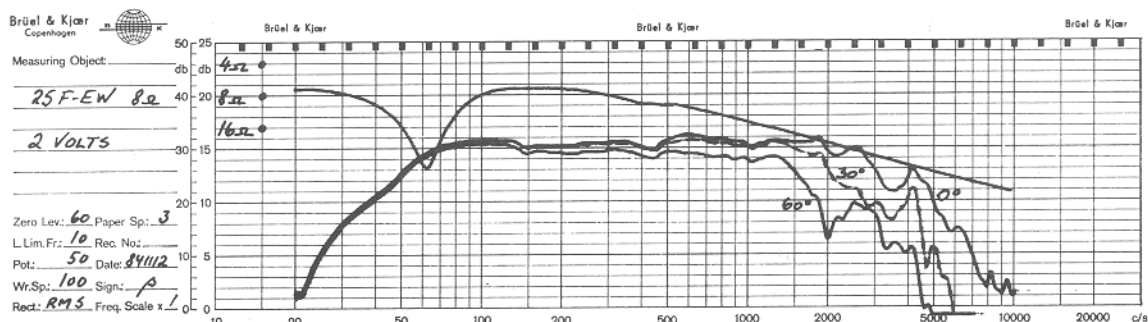
8 ohms

Recommended frequency range	30 - 1500	Hz	Voice coil inductance	2,6	mH
Nominal power (DIN 45573)	60	W	Voice coil resistance	5,8	ohms
Music power (DIN 45 500)	70	W	Effective diaphragm area	350	cm ²
Characteristic sensitivity (1m, 1w)	89	dB SPL	Moving mass	33	g
Operating power (DIN 45500)	5,0	W	Air load mass in baffle	4	g
Voice coil diameter	39	mm	Free air resonance	26	Hz
Voice coil height	14	mm	Mechanical suspension resistance	1,6	Ns/m
Air gap height	6	mm	Thiele - small parameters		
Flux density	0,75	T	Vas	175	litres
Force factor	9,5	Wb/m	Qms	3,8	
Recommended enclosure volumes:			Qes	0,39	
Closed cabinet	25 - 40	litres	Qts	0,35	
Bass reflex cabinet	-	litres			
Weight	1,3	kg			
Magnet weight	0,42	kg			

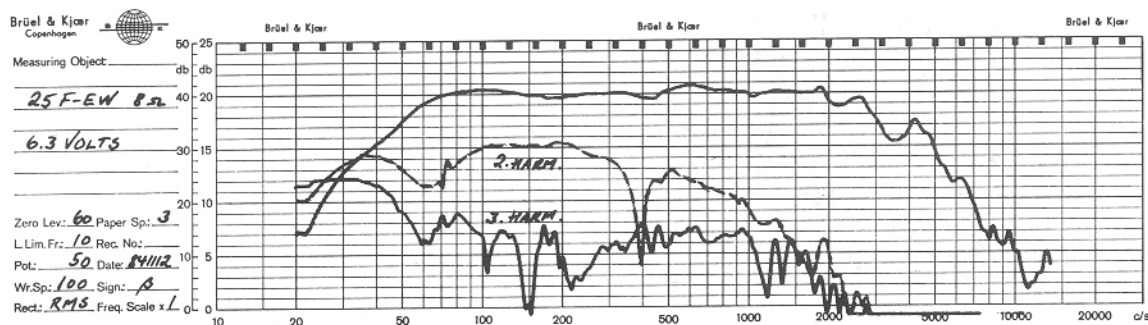
NOTES:

Response curves recorded in anechoic chamber (Free-Field, 4π -radiation) with 0.5 m microphone distance.
The loudspeaker is mounted in a closed box of 28 l net volume:

A Sound pressure on and off axis, and impedance:

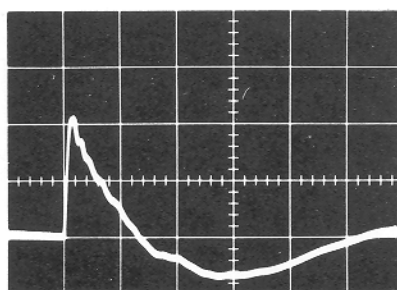


B Sound pressure and distortion on axis. The distortion components are raised by 20 dB:



C Sound pressure response to 4 Volts step function:

Sound
pressure
0.56 Pa/div



2 ms/div Time →