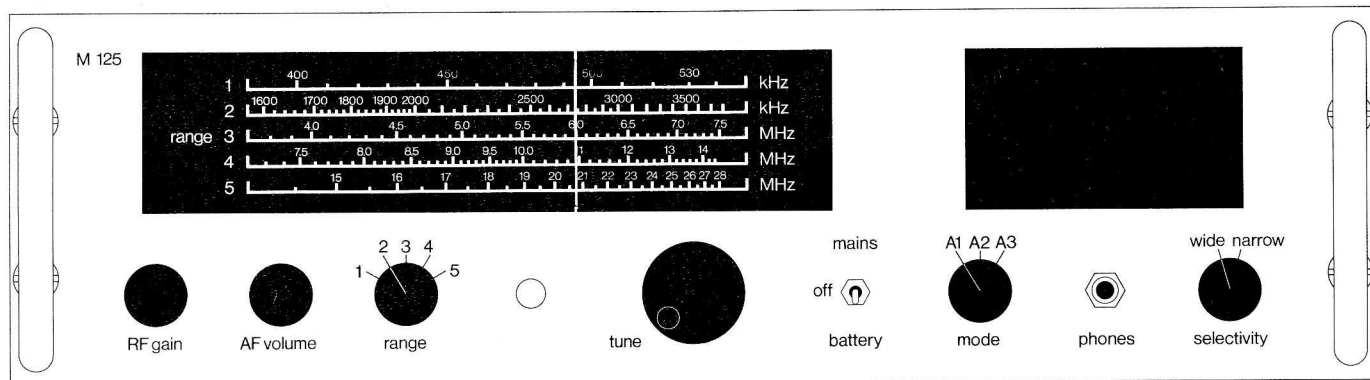


# dansk radio aktieselskab



Reserve Receiver

## elektromekano M 125

all solid state

full-vision linear tuning dial

built-in loudspeaker

mains and battery operation

low power consumption

modern design

Complying with the applicable rules  
in the Radio Regulations, Geneva 1967,  
and SOLAS, London 1960

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The ELEKTROMEKANO Type M 125 Receiver is designed for use as a ship's Radiotelegraph Reserve Receiver. The M 125 Receiver is a single superheterodyne receiver providing reception in the medium frequency marine band and on short waves from 1.6 to 28 MHz.

The M 125 Receiver all solid-state circuitry uses metal-oxide field-effect transistors in the front end giving superior signal handling capabilities. Linear integrated circuits are used in the detector and A.F. circuits.

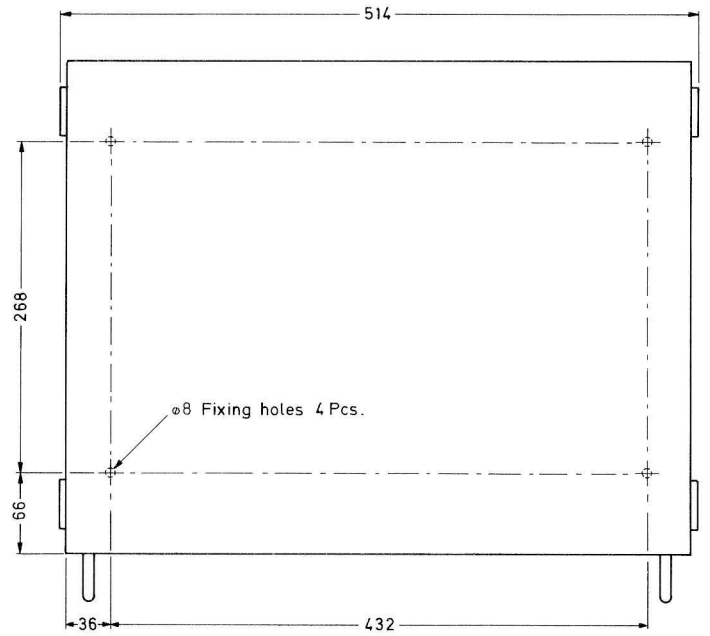
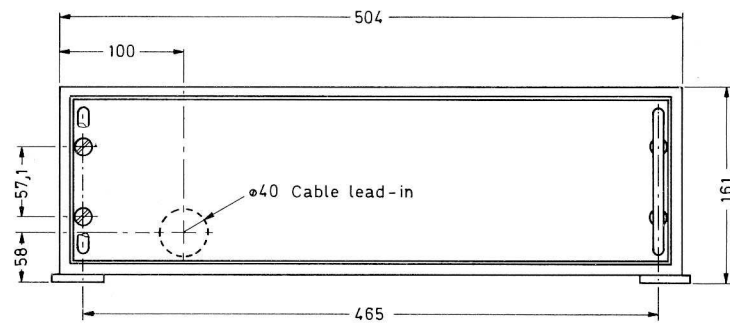
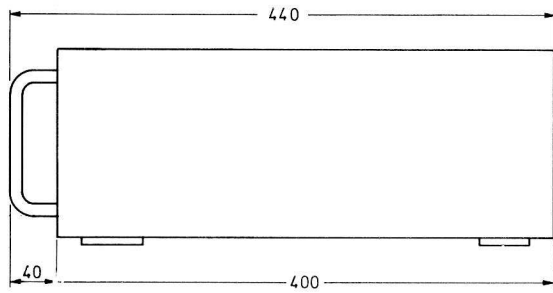
The receiver is designed to fit into a standard 19" rack and is compact and lightweight. All parts of the equipment are easily accessible for maintenance and repair.

#### SPECIFICATION

Circuit:	Single superheterodyne, intermediate frequency of 600 kHz, one R.F. stage, mixer, three I.F. stages with distributed selectivity, monolithic/AGC/BFO and monolithic A.F. amplifier.		
Frequency Ranges:	1.	390 - 545 kHz	
	2.	1580 - 3850 kHz	
	3.	3.7 - 7.5 MHz	
	4.	7.2 - 14.5 MHz	
	5.	14.0 - 28.0 MHz	
Types of Reception:	A1, A2 and A3		
Sensitivity:	Range 1	A1 10 $\mu$ V,	10 dB s/n ratio
		A2 30 $\mu$ V,	10 dB s/n ratio
	Ranges 2 & 3	A1 5 $\mu$ V,	20 dB s/n ratio
		A2 5 $\mu$ V,	20 dB s/n ratio
	Ranges 4 & 5	A1 10 $\mu$ V,	25 dB s/n ratio
		A2 30 $\mu$ V,	25 dB s/n ratio
Selectivity:		6-dB Bandw.	60-dB Bandw.
	"Wide"	9 kHz	36 kHz
	"Narrow"	3 kHz	20 kHz
Image Suppression:	Ranges 1 & 2	55 dB	
	Ranges 3 & 4	35 dB	
	Range 5	25 dB	
I.F. Suppression:	75 dB		
Automatic Gain Control:	A 10 dB increase in A.F. output for a 60 dB increase in the antenna signal. Attack time 50 msec. Decay time 0.2 sec.		
A.F. Output:	Approx. 1 W to a built-in loudspeaker		
	Approx. 1 mW to headphones		
Radiation:	Less than $4 \times 10^{-10}$ W		
Supply Voltages:	110/220 V 50/60 Hz $\pm$ 10 %		
	24 V DC $\pm$ 10 %		
DIMENSIONS AND WEIGHT:	Height:	133 mm (5 1/4")	
	Width:	483 mm (19")	
	Depth:	270 mm	
	Weight:	approx. 13 kg	

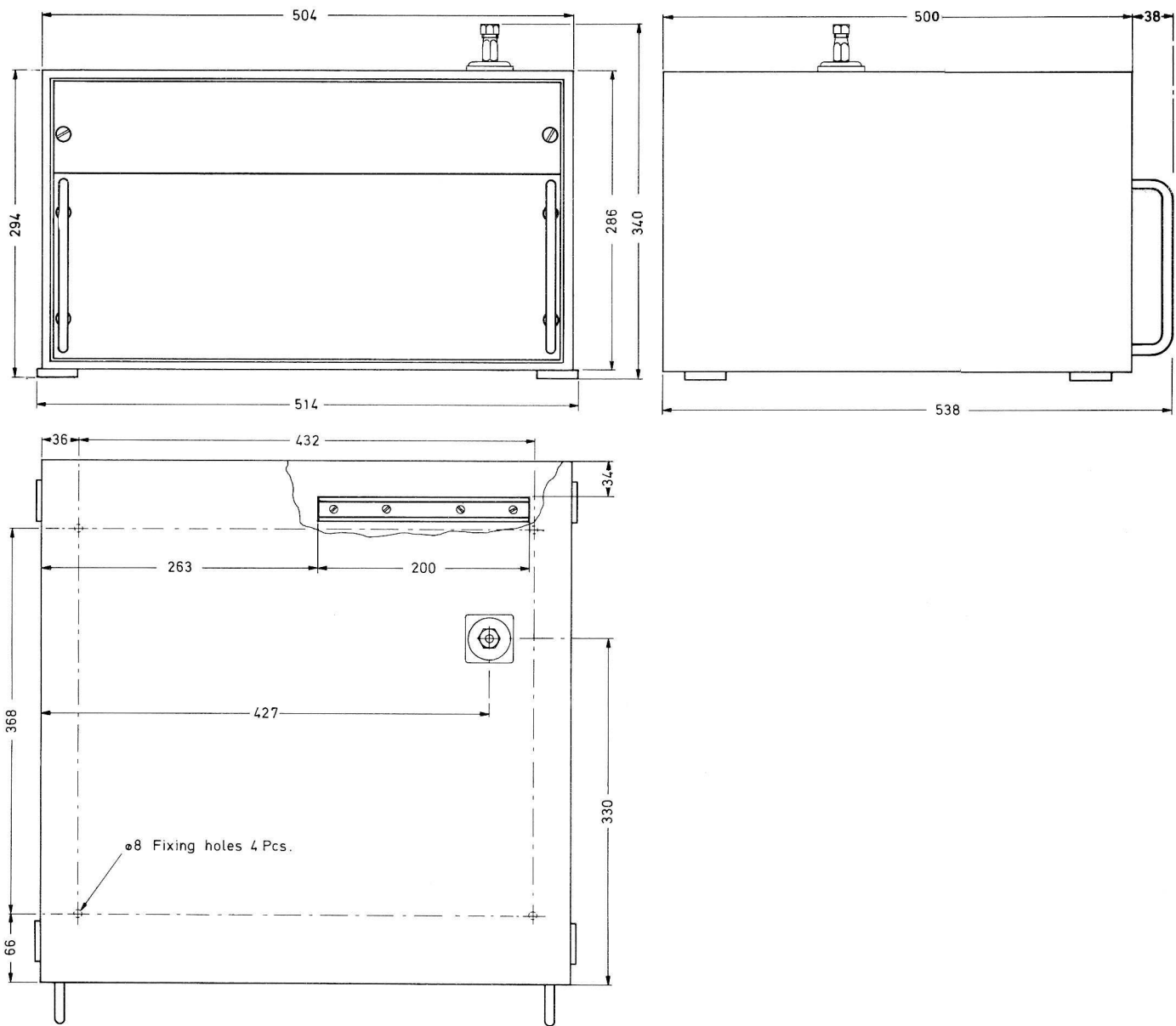
(All data are subject to possible alterations of design).

Outline and Mounting Dimensions A 125 and M 125



All dimensions are in mm (NTS)

Outline and Mounting Dimensions S 125



All dimensions are in mm (NTS)