

PORTABLE RADIOSTATION FOR LIFEBOATS AND LIFE RAFTS RS 103

The time required to put the radiostation into operation has been reduced to the minimum. Extremely simple operation enables use of the RS 103 by any shipwrecked person, as it requires neither training nor special professional qualifications, apart from reading the short instruction in English or own language. The transmitter is provided with an automatic electronic keying system. Once having been switched on it automatically transmits a group of signs indispensable for carrying out effective operations, i.e. seeking out shipwrecked persons and determining their position. It enables the RS 103 to be used and operated by persons not acquainted with the Morse alphabet. The operator, after tuning the device, should only drive the generator by means of cranks and watch the indicators /lamp in the RS 103 which show the proper operation of the transmitter and rotary speed of cranks. On the front plate a hand-operated Morse key is available to transmit additional information. The radio station is provided with Morse instruction for unskilled operators. According to recommendations the housing are of orange-yellow colour to become visible on the water surface from a long distance.

TECHNICAL DATA

TRANSMITTER

Frequency and mode of emission - 500 kHz H2A, 2182 kHz A3E 8364 kHz H2A

Output power - 1-6 W depending on antenna and frequency

Programmed automatic keying

- RS 103
- at frequency of 500 kHz, 8364 kHz attention signal (12 dashes), distress signal (3 x SOS), 2 radiobearing dashes
- at frequency of 2182 kHz two-tone radiotelephone alarm signal 1300/2200Hz

RECEIVER

Receiving frequency at point - 500 kHz, 2182 kHz

Receiving frequency with tuning - 8341,75-8728,5kHz

Modes of reception - A1A,m A2A, H2A, A3E, H3E

Sensitivity at 20 dB (S + N) /N

- 500 kHz 100 μ V
- 2182 kHz 32 μ V
- 8364 kHz 50 μ V

ANTENNA

- mast antenna - 9 m long
- stub antenna - 5 m long

SUPPLY

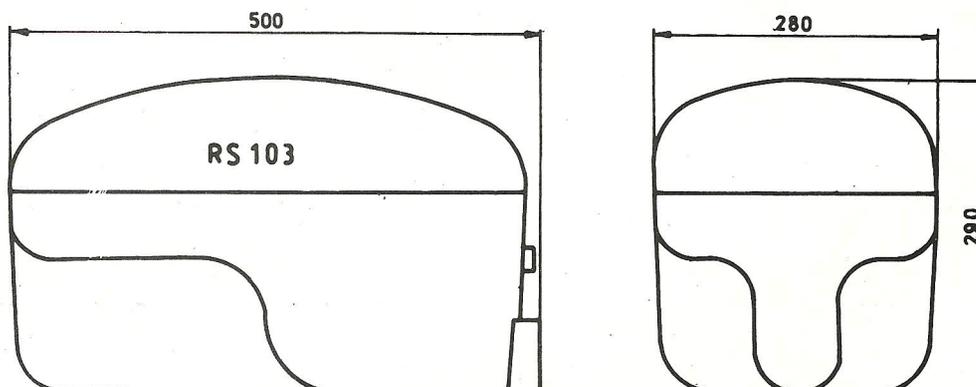
Hand-driven generator - (15,1.2 A) at 75 - 105r.p.m. or battery 24 V

DIMENSIONS

500 x 280 x 290 mm

WEIGHT

18 kg



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