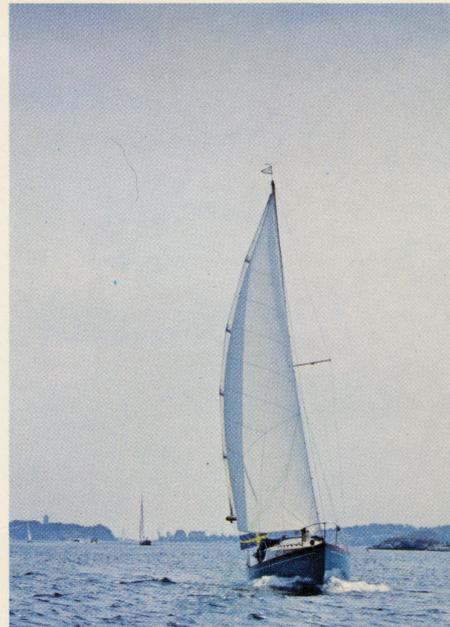




THE TALL SHIP
and the small ship
they both depend on
reliable communication

Listen to the new **STR 15**
VHF radio telephone



VHF

The marine international VHF system was established to serve safety requirements and commercial needs for short-range ship-to-ship and ship-to-shore communication, better than offered by the congested lower frequencies.

The services include separate channels for safety, piloting, port control, public correspondence and intership communication.

VHF band characteristics are low transmitter

power requirements, lack of interference from distant stations. The interference from statics, rigging, electrical machinery that may prevent communication on low frequencies, is practically eliminated on VHF.

For small craft in coastal waters, VHF equipment is most suitable due to low power drain, extremely small antennas and fast and simple operation.

STR 15 VHF RADIO TELEPHONE

The STR15 is designed for commercial and recreation craft, and is the ideal means of communication for the yachtsman as well as commercial coastal traders, and as second set on the bridge of large ships.

Transmitter power levels are selectable from 1 W to 25 W, to meet all individual requirements.

On the receiver side, no efforts have been avoided to obtain best adjacent channel rejection and elimination of cross-channel interference.

The moulded heavy-duty case in two-shade grey cyclac represents the best in Swedish industrial design.

SAFETY

The safety aspect was the non-compromised design factor, and resulted in a semi-portable set which easily can be removed from its mounting in abandon-ship emergencies, operating from built-in batteries and in a telescopic antenna.

In case of ship mains breakdown, automatic switching to internal batteries will ensure uninterrupted operation.

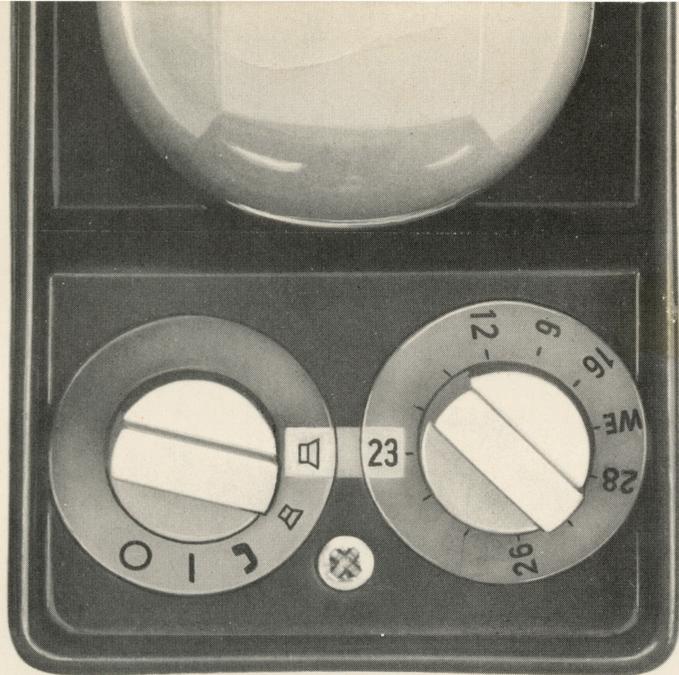
PUBLIC CORRESPONDENCE

The set will, however, for most applications be used in public correspondence service, and great care has been taken to ensure convenient operation also under such circumstances, by external supply and antenna to obtain maximum communication power, and by the handset feature ensuring acoustic privacy at all times.

WATCH

The dual watch is a unique feature, enabling simultaneous watch on channel 16 plus one selectable channel. Messages on channel 16 have priority during watch. Built-in watch loudspeaker, optional external loudspeaker.





OPERATION

Two-knob operation with clear symbols. A modern squelch circuit has eliminated the need for an adjustable squelch control. One knob selects the channel, the other sets to "watch" or "operate" symbols.

TECHNICAL CHARACTERISTICS

GENERAL

Freq. range	156—162.1 MHz (+ESSA weather)
Channels	12, one crystal per channel
Freq. stability	±10 ppm
Channel separation	25 kHz
Operation mode	Simplex/semiduplex
Modulation	F3
Quality grade	full commercial
Vibration and shock	EIA RS 152 B
Temp. range	—20°C to +55°C

TRANSMITTER

Power out	1 and 6 W (3 and 25 W optional)
Duty grade	Open or shorted aerial will not damage transmitter. Duty cycle EIA RS 152 B intermittent
Harmonics	—65 dB at 6 W
Other spurious	—76 dB at 6 W
Distorsion	<5% at 1 kHz
Hum and noise	—40 dB

RECEIVER

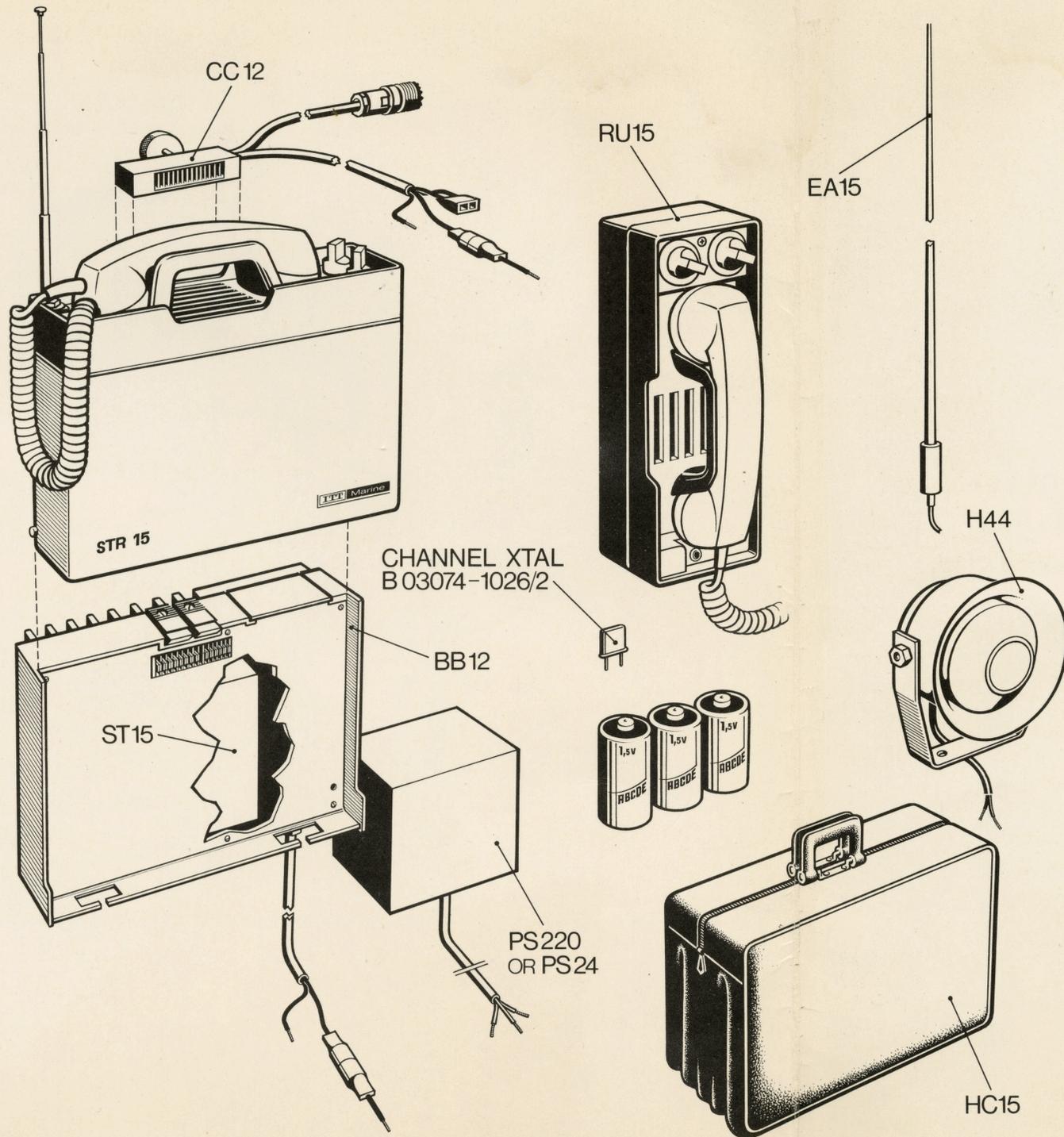
Sensitivity	0.35 μ V 12 dB SINAD (0.7 μ V EMF)
Squelch threshold	12 dB SINAD
Duty cycle	continuous
Spurious	—80 dB in-band, —70 dB 10—900 MHz
Image	—75 dB
Adjacent channel	—80 dB 2-signal, —60 dB 3-signal
Intermodulation	—70 dB
Audio output	2 W at <5% dist. in external 4—5 Ω loudspeaker

POWER DRAIN,

EXTERNAL BATTERY NOMINAL 12V

Transmit 6 W	1.6 A at 13.6 V
Transmit 25 W	5.0 A at 13.6 V
Receive	0.2 A at 13.6 V





STR 15 SYSTEM ACCESSORIES

The STR15 may, by optional accessories, be adapted to practically all VHF communication needs onboard commercial and recreation craft.

The 1 W (3 W optional) portable, battery operated unit may be slipped into *bracket SB12 or BB12*, automatically connecting external *antenna EA15* and supply to obtain 6 W output into an elevated antenna, multiplying the communication range.

For provisional operation, the *connection cord CC12* will offer much the same facilities.

Power output may be increased to 25 Watts by the *booster ST15*, space for which is provided in mounting *bracket type BB12*.

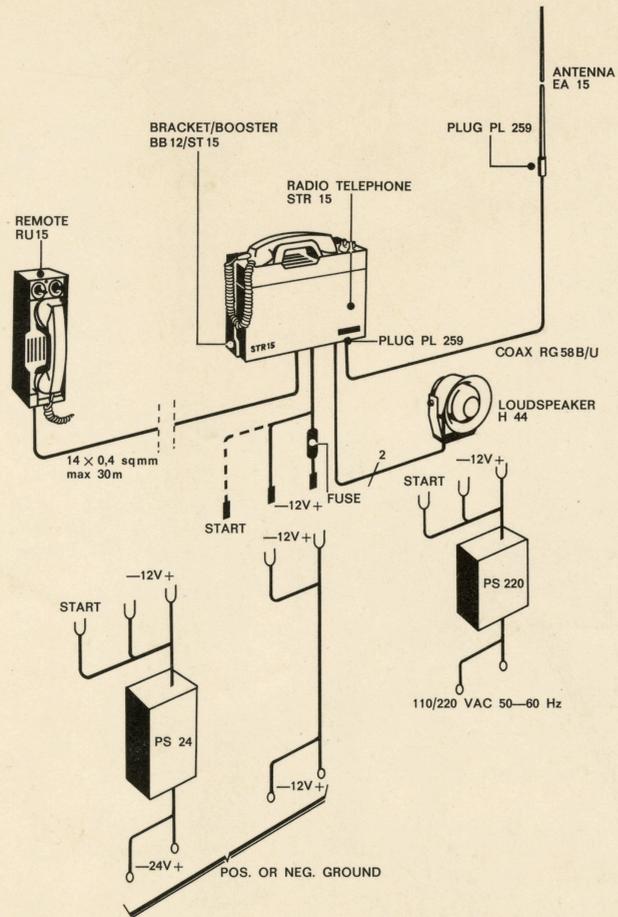
Remote control is prepared for, allowing watch and traffic from local- and *remote unit RU15*.

The basic set may be connected to 12 V DC external supplies. For 24 V DC and 110/220 V AC, optional *power supply units PS24 and PS220* are available. Dry-cell or rechargeable *internal battery* for portable operation and as reserve supply at failure in external power source.

Selective call decoders may be connected, as well as separate *loudspeaker H44* and *headphones*.

Two types of *carrying cases SC15 and HC15* are available, with or without shoulder strap.

WIRING DIAGRAM
WITH REMOTE UNIT AND ALTERNATIVE POWER SOURCES



DIMENSIONS

