



FURUNO®

GMDSS RADIO STATION



RC-1500-1T with MF/HF radiotelephone and Inmarsat-C MES

- Meets GMDSS carriage requirements for ships navigating in Sea Area A1-A2-A3
- Simple and reliable distress operation
- Flexible and space-saving installation
- Compact VHF radio system with built-in DSC for conning position installation
- Complies with all relevant IMO/SOLAS regulations, ETS and IEC standards
- Minimum retrofit time on existing vessels as well as new fitting by pre-wiring in the rack



VHF radiotelephone with built-in DSC FM-8500



The future today with FURUNO's electronics technology.

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Catalogue No. W-3236g

TRADE MARK REGISTERED
MARCA REGISTRADA



Models included in the RC-1500-1T

MF/HF radiotelephone

FS-1562-15 (150 W) or
FS-1562-25 (250 W)

FS-5000 (400 W) or FS-8000 (800 W) is
also available.

DSC terminal

DSC-6

NBDP terminal

DP-6

MF/HF DSC watch receiver

AA-50

INMARSAT-C MES

FELCOM-12

MF/HF Radiotelephone

FS-1562-15 (150W) / FS-1562-25 (250 W)

The FS-1562-15/FS-1562-25 are fully capable of GMDSS, MARITEX and TELEX operation. Advanced frequency synthesis technique provides all SSB/TELEX frequencies allocated by ITU and 200 customized channels, simplex or semi-duplex. High sensitivity receiver provides quality audio output by excellent AGC and noise blanker.

MF/HF DSC Terminal DSC-6

The DSC-6 consists of a combined encoder and decoder for generating and receiving digital selective calls. It provides fully automatic control of transmit and receive frequencies, class of emission, and other parameters as entered from the front panel or contained in the telecommand information in an incoming call. The DSC-6 also allows scanning of distress or routine DSC frequencies.

In an emergency the DSC-6 transmits a distress alert via the FS-1562 radiotelephone five seconds after pressing the [DISTRESS] button. The DSC-6 processes the messages received on the MF/HF DSC distress and safety frequencies through the DSC Watch Receiver AA-50.

NBDP Terminal DP-6

The DP-6 provides general telex message transfer and distress message handling via FURUNO's MF/HF radiotelephones. Messages are displayed on a 9.5-inch LCD. File management, text editor and utility programs ensure easy operation.

MF/HF DSC Watch Receiver AA-50

The AA-50 operates in conjunction with DSC-6 and FS-1562-15/1562-25. It continuously scans all DSC distress frequencies of 2187.5, 8414.5, 4207.5, 6312, 12577 and 16804.5 kHz.

Ordinary DSC messages can be received without interrupting a continuous watch by the AA-50. The received message is promptly indicated on the DSC-6.

INMARSAT-C MES FELCOM 12

The Inmarsat-C system provides a quality two-way telex and data link between ships and other parties at sea. The FELCOM 12 offers all functions and services the Inmarsat provides: EGC, E-mail, distress message handling, polling, data reporting, etc.

Exceeding all standards of GMDSS functions for Sea Area A1-2-3

All-in-one VHF radio system designed for easy installation at conning position

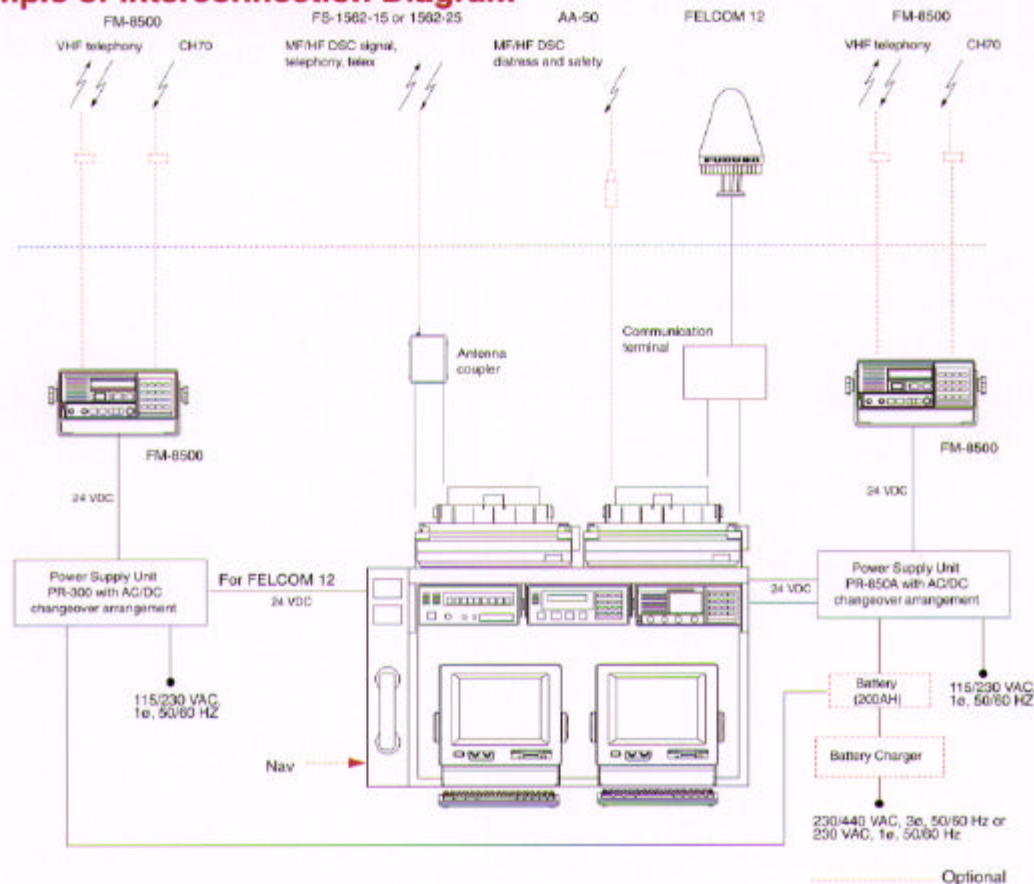
VHF radiotelephone FM-8500

The FURUNO FM-8500 is a cost-effective **all-in-one** marine VHF radio system consisting of a simplex/semi-duplex 25 W VHF radiotelephone, a DSC modem and a CH 70 Watch Receiver. It complies with GMDSS carriage requirements for safety and general communications.

For those needing full-duplex VHF radiotelephone, FM-8700 can also be selected.



Example of Interconnection Diagram



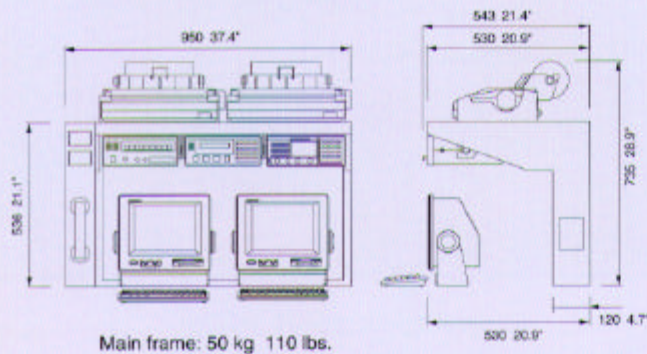
PR-300 for FM-8500, FELCOM-12 and PP-510 PR-850A for FM-8500, FS-1562-15/25, AA-50, DSC-6, DP-6, and PP-510

SPECIFICATIONS OF GMDSS RADIO STATION

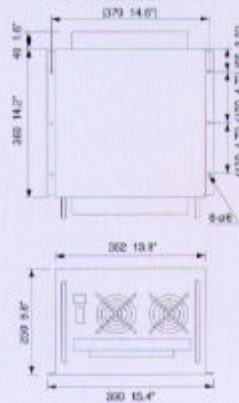
1. **Equipment included in the RC-1500-1T**
 - Inmarsat-C MES **FELCOM-12** complete set 1 set
 - MF/HF radiotelephone **FS-1562-15** (150 W), **FS-1562-25** (250 W)
FS-5000 (400 W) or **FS-8000** (800 W) 1 set
 - NBDP terminal **DP-6** 1 set
 - MF/HF DSC watch receiver **AA-50** 1 set
 - DSC terminal **DSC-6** complete set 1 set
 - Printer **PP-510** 2 sets
 - Printer selector 1 set
2. **VHF system**
 - VHF radiotelephone with VHF DSC terminal **FM-8500** 2 sets
For those needing full-duplex radiotelephone, FM-8700 is available.
3. **Power Supply and Power Consumption**
 - Power supply units with AC-DC changeover facility **PR-300** (20 A) and **PR-850A** (60 A) 1 set each*
S-5300 or S-8300 (incl. battery charger) can also be selected.
** For installation of 150/250W MF/HF radio. Number of Power supply unit depends on total power consumption.*
 - Battery charger **BC-6151A-2/6200** 1 unit
Main Source 115/230 VAC, 1ø, 50/60 Hz, 2.2 kVA max

Dimensions

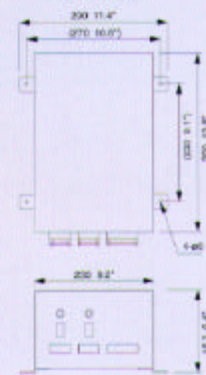
RC-1500-1T with FS-1562



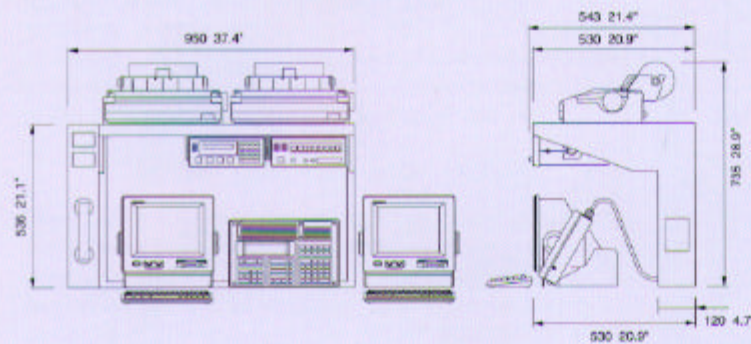
PR-850A



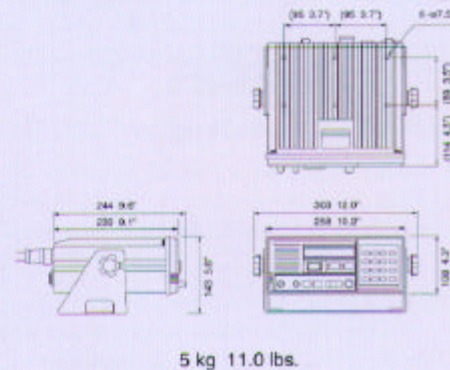
PR-300



RC-1500-1T with FS-5000/8000



FM-8500



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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