SAILOR® 6300 MF/HF

For when it really counts

2013 Product Sheet

The most important thing we build is trust

Based on the same foundation of high reliability, ease of use and leading-edge functionality that has positioned SAILOR as the leading product in maritime communications, the SAILOR 6300 MF/HF DSC Class A offers much more than just a way to meet mandatory GMDSS requirements. In addition to being part of the innovative SAILOR 6000 GMDSS series, it is an integral part of a vessel’s communication system and a crucial tool when in distress and rugged, reliable, easy to use communications are a must.

The SAILOR 6300 MF/HF provides several unique features such as message replay functionality – a first for MF/HF radios, and the ability to connect two control units. A highly efficient power amplifier with control hardware ensures high performance and reliable communication in the marine bands from 1.6 to 30 MHz in TX mode, and ensures constant and full output power on all ITU channels.

- SAILOR Replay – 240 seconds – First MF/HF to offer this feature
- High quality graphical display - perfect night and day vision
- 6W internal loudspeaker for excellent sound quality
- Improved, intuitive and easy to operate menu structure
- Unique, next generation radiotelex software
- Multiple control units
- 150W-250W-500W versions
- ThraneLINK

Instead of connecting the SAILOR 6300 MF/HF to an external GPS, the GPS input can be taken from the SAILOR 6110 mini-C GMDSS via ThraneLINK. Therefore, no additional cabling is needed.

More than GMDSS

The new SAILOR 6300 MF/HF is a high-end communications system in its own right. It complies with the requirement for MF/HF DSC Class A, which is part of the mandatory requirements for SOLAS vessels in all sea areas, and many national GMDSS requirements. It is developed and designed to meet the needs of professional mariners ensuring clear and powerful communication for a wide variety of vessels including high seas fishing vessels, merchant/offshore ships and workboats.

New Connections

SAILOR 6300 MF/HF can be quickly and easily connected to other critical GMDSS systems such as the SAILOR 6103 Alarm Panel. SAILOR 6300 MF/HF features the new, user-friendly radiotelex software with a state-of-art user-interface that works in combination with the new SAILOR 6006 Message Terminal. External loudspeakers, keyboards and printers can also be added easily.
### SPECIFICATIONS

**Operating Modes**
- Simplex and semi-duplex SSB telephony and DSC/TELEX AM broadcast reception

**Operating temperature range**
- -15°C to +55°C

**Supply voltage**
- Nominal 24V DC floating
- With optional external AC power supply
- 115/230 V AC 50/60 Hz. Automatic changeover to DC in the absence of AC supply

**Power consumption**
- Rx, 60W (approx. at 24V DC)
- 150W
- 250W
- 500W
- Tx, SSB speech:
  - 175W
  - 300W
  - 500W
- Tx, SSB two-tone:
  - 1100W
- Tx, DSC/TELEX:
  - 420W
  - 600W

**User-programmable channels**
- 199 frequency pairs with mode (1-199)

**User-programmable stations**
- 40 stations with name, MMSI and station channel

### DSC WATCH RECEIVER

**Frequency range**
- Scanning: 2187.5 kHz, 4207.5 kHz, 6312.0 kHz, 8414.5 kHz, 12577.0 kHz, 16804.5 kHz

**Aerial impedance**
- 50Ω. Complies with ETSI 300-373 or better

### ANTENNA TUNING UNIT

**Frequency range**
- 1.6 MHz - 27.5 MHz

**Aerial requirements**
- 8-18 m wire and/or whip aerial

**Aerial tuning**
- Fully automatic with no presetting

**Tuning speed**
- 0.1 - 8 sec Typical

**Power capability**
- 150W/250W: 330W PEP in 50Ω
- 500W: 600W PEP in 50Ω

### DIMENSIONS AND WEIGHT

<table>
<thead>
<tr>
<th></th>
<th>150W/250W</th>
<th>500W</th>
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<tbody>
<tr>
<td>Transceiver Unit</td>
<td>Width:</td>
<td>392 mm (15.4&quot;)</td>
</tr>
<tr>
<td></td>
<td>Height:</td>
<td>445 mm (17.5&quot;)</td>
</tr>
<tr>
<td></td>
<td>Depth:</td>
<td>127 mm (5&quot;)</td>
</tr>
<tr>
<td></td>
<td>Weight</td>
<td>19 Kg (41.9 lbs)</td>
</tr>
<tr>
<td>Antenna Tuning Unit</td>
<td>Width:</td>
<td>290 mm (11.4&quot;)</td>
</tr>
<tr>
<td></td>
<td>Height:</td>
<td>500 mm (19.7&quot;)</td>
</tr>
<tr>
<td></td>
<td>Depth:</td>
<td>80 mm (3.1&quot;)</td>
</tr>
<tr>
<td></td>
<td>Weight</td>
<td>3.3 Kg (7.3 lbs)</td>
</tr>
<tr>
<td>Control Unit</td>
<td>Width:</td>
<td>240 mm (9.5&quot;)</td>
</tr>
<tr>
<td></td>
<td>Height:</td>
<td>105 mm (4.1&quot;)</td>
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<tr>
<td></td>
<td>Depth:</td>
<td>100 mm (3.7&quot;)</td>
</tr>
<tr>
<td></td>
<td>Weight</td>
<td>3.3 Kg (7.3 lbs)</td>
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### THRANE LINK

ThraneLINK is a sophisticated communication protocol that connects the SAILOR products in a network, offering important new opportunities to vessels. It provides facility for remote diagnostics and enables access to all the SAILOR products from a single point for service. This results in optimized maintenance and lower cost of ownership because less time is needed for troubleshooting and service. Installation is made easier as ThraneLINK automatically identifies new products in the system. The uniform protocol is an open standard which provides a future proof solution for all vessels.