NETWORK INNOVATIONS

Communicate. Anywhere.

SAILOR® 6300 MF/HF

- **SAILOR Replay – 240 seconds**
- **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**
- **Tune cache. Fast tuning to frequencies previously used**

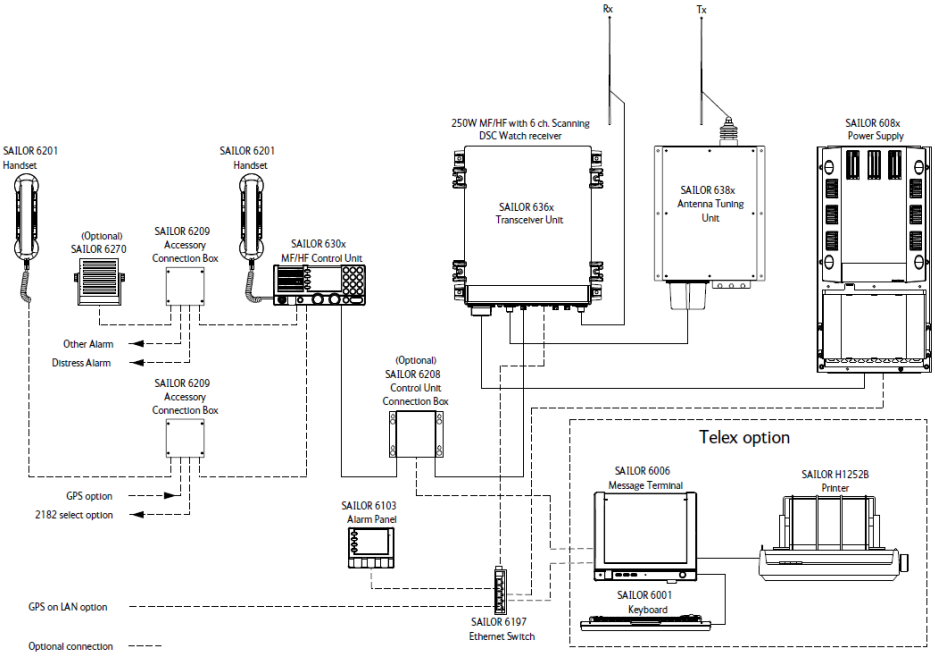
Based on the same foundation of high reliability, ease of use and leading-edge functionality that has positioned SAILOR as the leading product in maritime communications, the SAILOR 6300 MF/HF DSC Class A offers much more than just a way to meet mandatory GMDSS require-ments. In addition to being part of the innovative SAILOR 6000 GMDSS series, it is an integral part of a vessels 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, and the ability to connect two control units. A highly efficient power amplifier with control hardware ensures high performance and reliable communi-cation in the marine bands from 1.6 to 30 MHz, and ensures constant and full output power on all ITU channels.

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 ves-sels in all sea areas, and many national GMDSS requirements. It is developed and designed to meet the needs of profes-sional mariners ensuring clear and power-ful communication for a wide variety of vessels including high seas fishing vessels, merchant/offshore ships and workboats.

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 or other network gps. Therefore, no additional cabling apart from LAN is needed.



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.

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SAILOR® 6300 MF/HF

COBHAM

SPECIFICATIONS

Operating Modes	Simplex and semi-duplex SSB telephony, DSC, TELEX and AM broadcast reception
Operating temperature range	-15°C to +55°C (Antenna tuner: -25°C to +55°C)
Supply voltage	Nominal 24V DC Optional external AC power supply: 115/230V AC 50/60 Hz. Automatic changeover to DC in the absence of AC supply
Power consumption	Rx idle, 40W (approx. at 24V DC)

	150W	250W	500W
Tx, SSB speech:	175W	300W	600W
Tx, SSB two-tone:	300W	550W	1100W
Tx, DSC/TELEX:	420W	600W	1000W

User-programmable channels	199 frequency pairs with mode (1-199)
User-programmable stations	40 stations with name, MMSI and station channel

RECEIVER

Frequency range	150 kHz to 30 MHz	
Aerial impedance	50Ω	
Sensitivity	Telephony (J3E):	-102 dBm for 20 dB SINAD
	Broadcast (A3E):	- 87 dBm for 20 dB SINAD
	DSC/Telex (J2B):	-123 dBm
Audio output power	6W with less than 10 % distortion	

TRANSMITTER

Output power	**150W** PEP +/-1.4 dB into 50Ω SSB 85W +/- 1.4 dB into 50Ω for DSC/TELEX
	250W PEP +/-1.4 dB into 50Ω SSB. 125W +/- 1.4 dB into 50Ω for DSC/TELEX
	500W 1.6 to 3.999 MHz 400W PEP +0/-1.4 dB into 50Ω SSB. 4.0 to 29.999 MHz 500W PEP +/- 1.4 dB into 50Ω SSB. 250W +/- 1.4 dB into 50Ω for DSC/TELEX
Power reduction	Low approx.: 20W
Frequency range	ITU marine bands from 1605 kHz to 30 MHz

INTERFACES

NMEA: NMEA 0183 interface for GPS equipment Industrial ethernet Line Key
Transceiver AF line input/output and external key interface. -10 to +10 dBm, 600Ω
AUX alarm 2: Telex and non-distress/urgency DSC alarm output

DSC RECEIVER

Frequency range	150 kHz - 30 MHz
Scanning	MF: 1 frequency MF/HF: 6 frequencies
Option	Customizable frequencies

ANTENNA TUNING UNIT

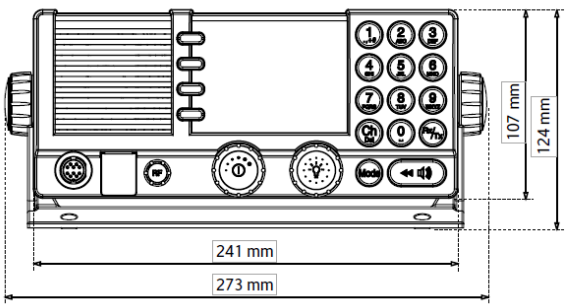
Frequency range	1.6 MHz - 27.5 MHz
Aerial requirements	8-18 m wire and/or whip aerial
Aerial tuning	Fully automatic with no presetting
Tuning speed	0.1 - 8 sec Typical
Power capability	150W/250W: 350W PEP in 50Ω
	500W: 600W PEP in 50Ω

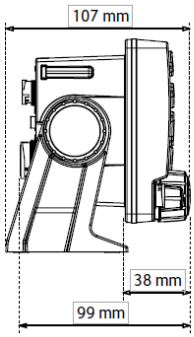
DIMENSIONS AND WEIGHT

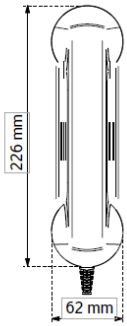
		150W/250W	500W
Transceiver Unit	Width:	390 mm (15.3")	392 mm (15.4")
	Height:	445 mm (17.5")	507 mm (20")
	Depth:	127 mm (5")	217 mm (5")
	Weight:	19 Kg (41.9 lbs)	28 Kg (61.7 lbs)
Antenna Tuning Unit	Width:	290 mm (11.4")	401 mm (15.8")
	Height:	500 mm (19.7")	617 mm (24.3")
	Depth:	80 mm (3.1")	356 mm (14")
	Weight:	3.3 Kg (7.3 lbs)	17 Kg (37.3 lbs)
Control Unit	Width:	241 mm (9.5")	241 mm (9.5")
	Height:	107 mm (4.2")	107 mm (4.2")
	Depth:	107 mm (3.9")	107 mm (3.9")
	Weight:	3.3 Kg (7.3 lbs)	3.3 Kg (7.3 lbs)

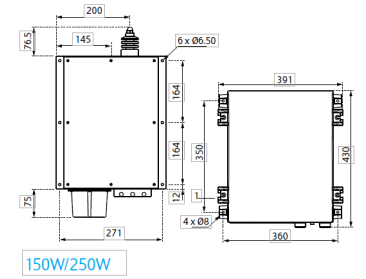
DSC-TELEX MODEM

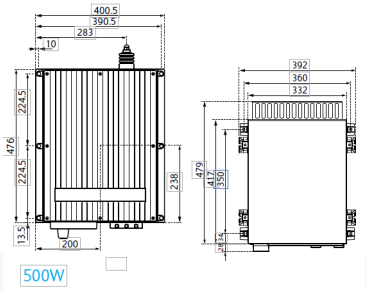
DSC Equipment class	Class A
Protocols	DSC: Complies to ITU-R M. 493-13 The SAILOR 6300 MF/HF DSC fulfills the requirements of SOLAS and is intented for use in the maritime environment
Ship's identity	DSC: 9-digit identity number Telex: 5- and/or 9-digit identity numbers











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