

SAILOR® FLEET33

The all-time reliable SAILOR



The SAILOR Fleet33 is the most reliable communication solution for fishing vessels, workboats, medium sized yachts and sailing boats. It offers proven technology for reliable voice telephony, fax, e-mail and Internet all over the world – with exception for the Poles.

Accurate weather updates and easy access to other important information are vital to ensure business and operational success, as well as improving safety, at sea.

Optimised profits

The SAILOR Fleet33 enables fishing vessels to use oceanographic data in order to maximize their catch. Furthermore online access to fish markets allows for optimal planning in regard to landing the catch, hereby ensuring optimised profits. For workboats, access to weather information and sharing reliable data across wide areas, let them work longer and safer at sea, improving operational efficiency.

Business or pleasure? – no need to choose

With a SAILOR Fleet33 on board the yacht users will be able to be in contact with friends, family and business colleagues. Bringing your office at sea, it truly becomes possible to mix business with pleasure without compromise.

High quality, reliability and wide coverage

With its light-weight and compact design the SAILOR Fleet33 delivers high quality of voice, fax and data at sea. The SAILOR Fleet 33 provides a constant two-way link to the Inmarsat satellites offering all Fleet33 services. The proven generation of Inmarsat satellites

extends the coverage greatly while providing the established Inmarsat reliability.

Online 24 hours a day

The SAILOR Fleet33 enables connection to voice, fax, e-mail and Internet 24 hours a day. It offers cost effective 9.6 kbps fax/data, 4.8 mini-M voice and 64 kbps downstream MPDS data communication. Several PCs may be connected to the Internet via an IP router.

Important features

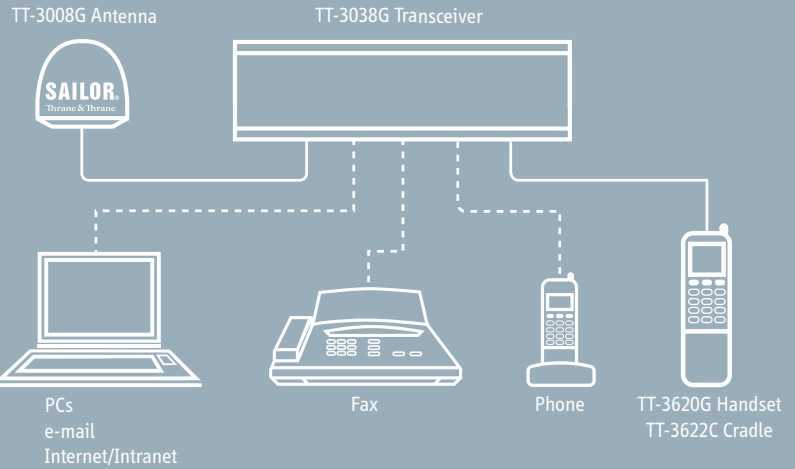
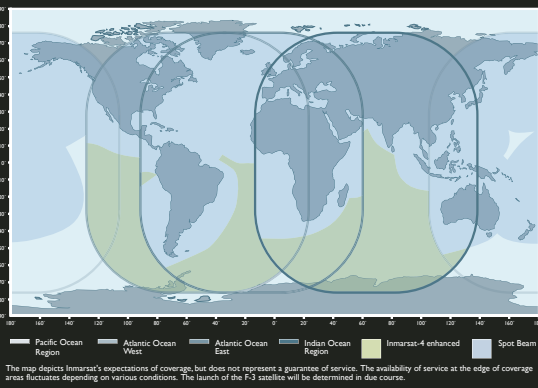
- Phone, fax, e-mail and Internet
- Pay only for the amount of data you send or receive via MPDS
- 9.6 kbps fax/data
- Mini-M voice
- Global coverage, 78° north to 78° south
- Light weight and compact design
- Units only connected by a single cable
- Rapid configuration via handset or PC
- Easy mini-M retrofit due to compatible antenna footprint and cable
- External ringer

World Class Service

When buying a Thrane & Thrane product you buy not only state-of-the-art technology, but also peace of mind. With more than 40 strategically located service centers, the Thrane & Thrane certified On Board Service Center network will ensure world class service. No matter where or how you bought the equipment, you will receive immediate, high-quality service all over the world.

SAILOR®

Inmarsat coverage map for Maritime Digital Services with planned Inmarsat-4 enhancements



Compact and easy to fit

The compact antenna is 35 cm high, has a diameter of just 35 cm and weighs less than 4.5 kg. The small sized transceiver unit weighs only 1.9 kg. A single cable connects the system units making system installation and service very simple. The system is easily configured from a standard PC or from the handset.

Specifications

- Inmarsat Fleet33 approved
- Compliant to FCC, title 47 part 25, section 25.216
- Compliant to RTTE, CE Marked

Frequency Band

Rx:	1525.0 – 1559.0 MHz
Tx:	1626.5 – 1660.5 MHz
Ch. spacing:	1.25 kHz – Rx

Recommended Antenna Cable

TNC/TNC male, max. cable loss 10 dB at 1.6 GHz, 0.5 Ω at DC:	
1 – 10 m:	RG223
< 25 m:	RG214/U
< 50 m:	SA07272
< 60 m:	SA12272
< 100 m:	LCF12-50]

Global Service

Voice:	4.8 kbps mini-M voice
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Spot Beam Services

Group 3 fax capability:	9.6 kbps
Data:	9.6 kbps
MPDS:	64 kbps downstream
	28 kbps upstream, shared channel

Antenna Connector

50 Ω TNC female for transceiver

BDU Interfaces

- 2 RJ-11 for analog telephone/fax
- 1 DSUB-15 for 4-wire control handset
- 1 50 Ω TNC female for antenna
- 1 RJ-45 LAN Port, 10 Mbit
- 1 DSUB-9 RS-232 Port, 115 kbps
- 4 Discrete I/O
- 1 Power Port, 24V input
- 1 On/Off button (or via handset)

Power Supply and Consumption

22-32 VDC, an optional 12 VDC inverter can be supplied	
Max 4.5A@24VDC	
Peak current:	9A@24V 15ms

Environmental Conditions

Ambient temperature:	-25 to 55 °C
Relative Humidity ADU:	IPX6, EN60945: Exposed
Relative Humidity BDU:	95% non-condensing at +40 °C

Vibration (antenna)

4-10 Hz:	2.54 mm
10-15 Hz:	0.76 mm
15-25 Hz:	0.40 mm
25-33 Hz:	0.23 mm

Mechanical Shock

20g/11ms half-sine

Ship Motions (minimum)

Roll:	+/-30 deg.	per. 8 s	0.5 g tan.
Pitch:	+/-10 deg.	per. 6 s	0.5 g tan.
Yaw:	+/-8 deg.	per. 50 s	
Surge:	+/- 0.2g		
Sway:	+/- 0.2g		
Heave:	+/- 0.5g		
Turning Rate:	+/-6 deg/s	acc. 1 deg/s ²	
Headway:	30 knots		
Wind:	100 knots		

Dimension and Weight

Antenna (TT-3008G):	356 x Ø350 mm, 4.5 kg
Transceiver (TT-3038G):	53 x 377 x 153 mm, 1.9 kg
Cradle (TT-3622C):	160 x 61 x 27 mm, 0.15 kg
Handset (TT-3620G):	200 x 52 x 33 mm, 0.50 kg incl. cable

