60

OWNER'S GUIDE

LAGOON

CONSTRUCTION NAVALE BORDEAUX

DECEMBER 2024 VERSON

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WELCOME ON BOARD

A common passion, the sea, unites us. At LAGOON, as a catamaran builder, we share your passion for life on the water.

We are pleased to welcome you to the great family of LAGOON catamaran owners and we would like to congratulate you.

This Owner's Guide is designed to help you to enjoy your boat comfortably and safely.

It includes the boat's specifications, the equipment provided or installed, information on the boat's systems and some tips on their operation and maintenance.

We recommend that you read it carefully before setting sail in order to get the maximum satisfaction from your sailing.

Our network of approved LAGOON dealers is at your disposal to help you discover your boat and will be the most suitable to maintain it.

Danger levels and safety labels

Various warning statements used throughout this guide are indicated as follows:

DANGER
Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING
Indicates a danger which could lead to injury or death if the appropriate precautions are not taken.

ATTENTION
Either indicates a reminder of safety procedures or alerts you to dangerous manoeuvres or operations, which could result in injuries to those onboard, damage to the boat and its components or damage to the environment.

NOTICE
Indicates information that is considered important, but not related to a hazard, such as equipment damage.

JOIN THE LAGOON CLUB!

You have just purchased a Lagoon catamaran! Did you know that there is an owners' club? As a Lagoon owner, you have exclusive access to this club.

WHY IS THERE A LOGOON CLUB?

It is in line with the Lagoon Attitude which is so dear to us: to maintain simple and friendly relations with our customers, to offer them privileged appointments, to go and meet them. With the Club Lagoon, we want to make this state of mind a reality by offering you certain advantages.

WHAT ARE THE BENEFITS FOR LAGOON CLUB MEMBERS?

As a Lagoon owner, you have exclusive access to the private website www. club-lagoon.fr, with information about the shipyard, our catamarans and our events, technical specifications, invitations to boat shows, a private store, and exclusive offers from our partners (available on the website!).

Membership in Club Lagoon is simple and free. It is our pleasure to welcome you, so please don't hesitate. Visit our website to register.

www.**club**-lagoon.fr

1-SAILS AND RIGGING

1.1 Caution and settings

This guide completes the information given in the EC Owner's Manual.

A catamaran presents 6 times greater resistance to heeling than a single-hull vessel. In ship design we refer to righting moment (multiplication of the vessel's weight by the transverse distance between the centre of gravity and the centre of flotation- or buoyancy).

This fact has real consequences for the handling and sail trimming of a catamaran.
The fact that the boat does not heel over could conceal the use of an excessive sail surface area, which could be dangerous for the crew and the vessel. It is therefore essential to constantly monitor the apparent wind and to prioritise trimming the sail surface area accordingly.

These adjustments should be applied in calm seas. In heavy seas, we will reduce 10% earlier in terms of true wind speed. It is essential to avoid putting the boat under any kind of stress.

One should always seek to direct the sails' angle of attack towards the apparent wind and to avoid over-trimming the sail, so that the flows of air coming off the sail are parallel to each other; this will prevent turbulence behind the sail.

ATTENTION
If there is a radar antenna on the mast, watch the jib when tacking or gybing to avoid any risk of damage.

ATTENTION
The crew must not climb on the boom without taking over the topping lift.

ATTENTION
Do not climb onto the bimini without a safety harness and lanyard.

1.2 Standing rigging characteristics

The catamaran was tuned by the shipyard and by the mast manufacturer during the first masting.

The cables will stretch a little during the first few cruises, so it is advisable to have the mast inspected and adjusted by a professional.

Before setting sail, it is essential to ensure that the standing rigging is in good condition: inspect the turnbuckles and check the condition of the shrouds.

NOTICE
Any work on the standing rigging must be done by a professional.

To hoist a crew member to the masthead use the free halyard.

Secure the crew member with a bowline knot on the ring of the boatswain's chair (do not use a snap hook or a shackle).

ATTENTION

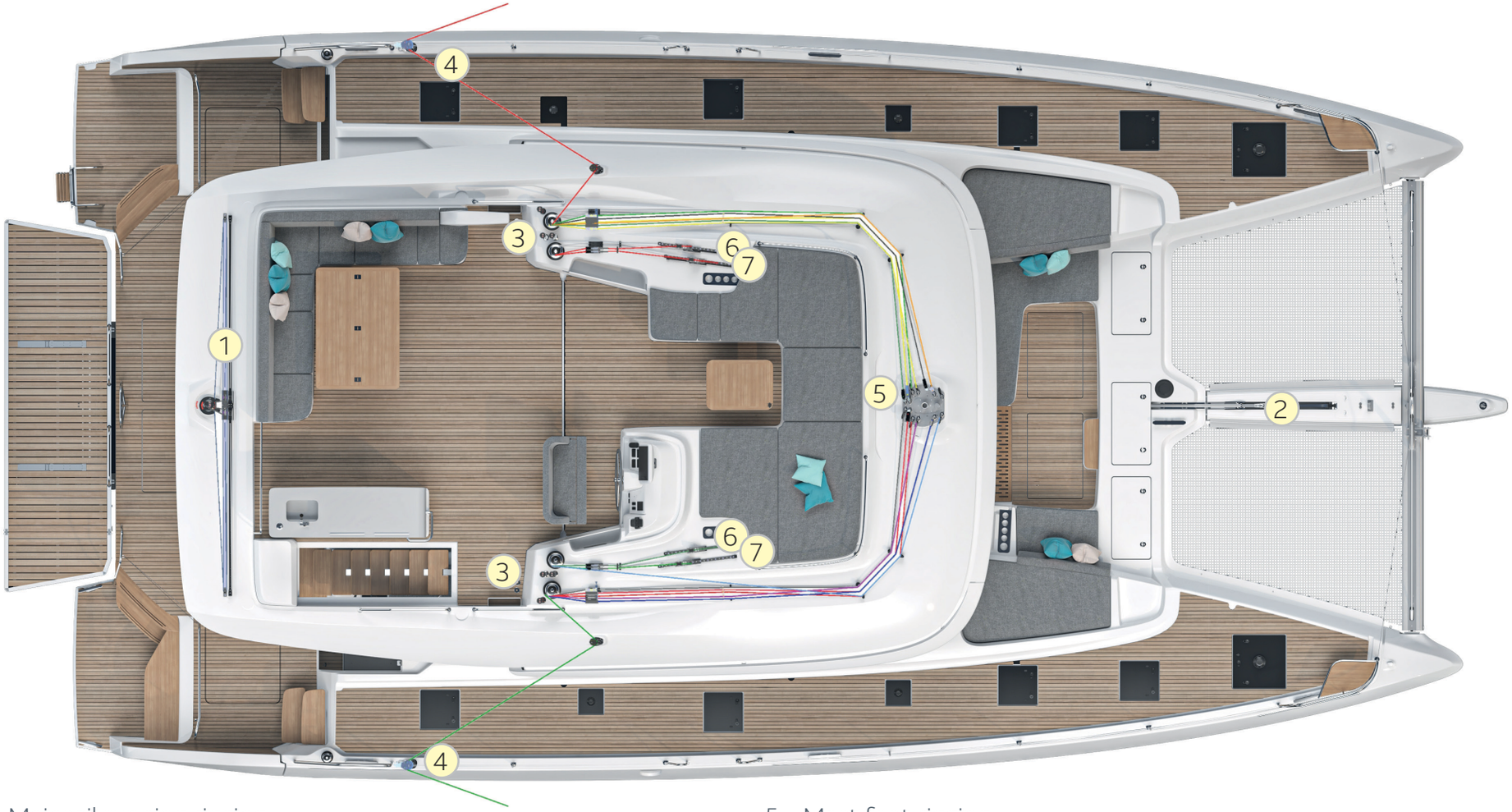
The free halyard - the only halyard allowed for this purpose - is only used to hoist a crew member to the masthead.

1.3 Running rigging characteristics

Rope designation	Length (m)	Diameter (mm)
Running rigging		
Mainsheets 4: 1	40	14
Reef line of the mainsail traveler	19,8	10
Mainsail halyard 2: 1	85	12
Mainsail topping lift	65	12
Reefing line 1 reduction	21 6	12 10
Reef tack 1	15	10
Reefing line 2 reduction	21.5 14	12 10
Reef tack 2	19.5	10
Reefing line 3 reduction	21 23	12 10
Reef tack 3	24	10
Main lazy-jacks	31	8
Aft lazy-jacks	13.9	8
Middle lazy-jacks	7.8	8
Front lazy-jacks	9.3	8
High lazy-jacks	1	8
Lazy-jacks return line	10	8

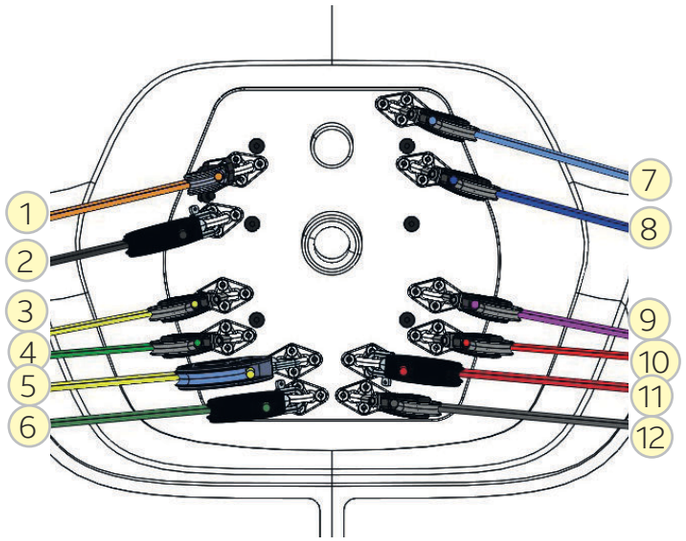
Rope designation	Length (m)	Diameter (mm)
Genoa running rigging		
Genoa halyard 1: 1	21	10
Genoa hoisting / lowering halyard	33	8
Port genoa sheet	25	12
Starboard genoa sheet	25	12
Staysail running rigging (optional)		
Staysail halyard 1: 1	25	12
Port staysail sheet	13	12
Starboard staysail sheet	13	12
Code 0 or asymmetric spinnaker running rigging (optional)		
Code 0 or asymmetric spinnaker halyard, reduction 2: 1	40 53	12 10
Code 0 or asymmetric spinnaker starboard sheet	35	14
Code 0 or asymmetrical spinnaker port sheet	35	14
Miscellaneous		
Free halyard 1: 1	61	14

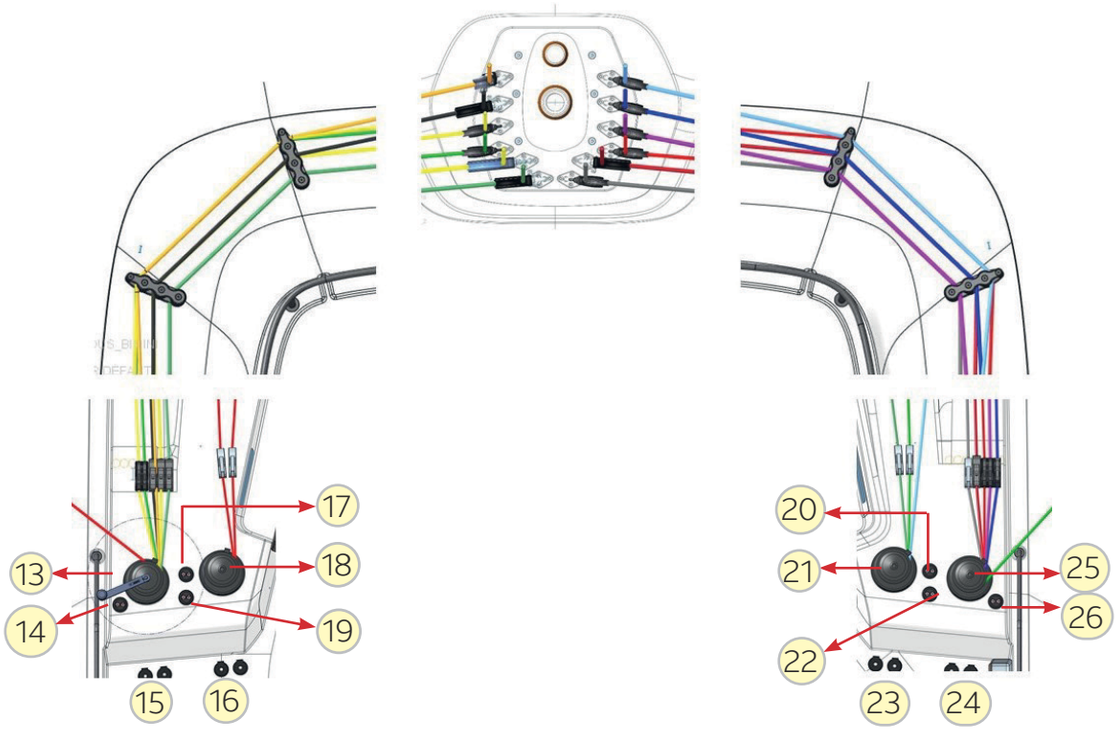
1.4 General deck layout



1. Mainsail running rigging
2. Forward beam rigging
3. Coach roof winches
4. Spinnaker / Code 0 running rigging
5. Mast foot rigging
6. Genoa sheet running rigging
7. Staysail sheet running rigging

1.5 Mast foot rigging diagram



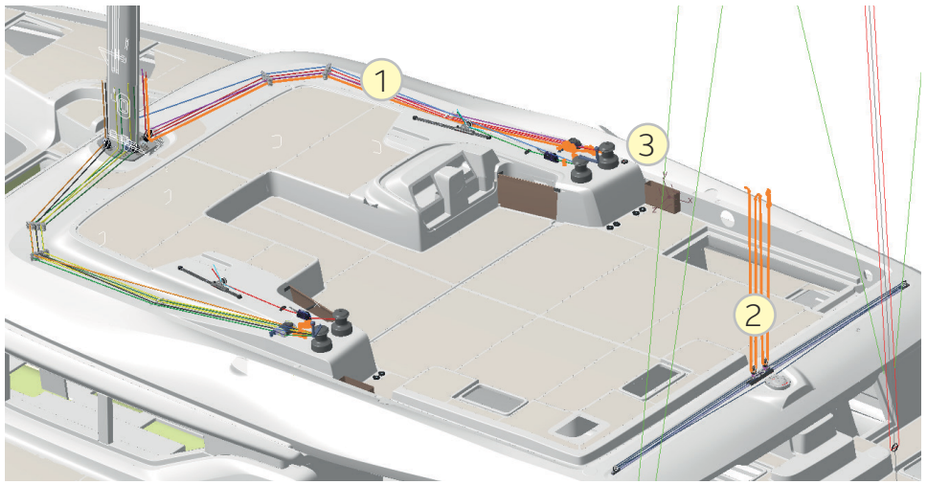


1. Headsail hoisting
2. Main halyard
3. Reef tack 2
4. Reef tack 1
5. Reef line 2
6. Reef line 1
7. Free halyard
8. Spinnaker halyard (Optional)
9. Topping lift
10. Reef tack 3
11. Reef line 3
12. Mainsail sheet

ATTENTION
When setting the mainsail, make sure the mainsail head block is locked (Allen screw) to prevent it from turning on itself.

13. Winch 1
14. Code 0 electric furler contactor (optional)
15. Electric winch 1 contactors (optional)
16. Electric winch 2 contactors (optional)
17. Genoa electric furler contactor
18. Winch 2
19. Staysail electric furler contactor (optional)
20. Genoa electric furler contactor
21. Winch 3
22. Staysail electric furler contactor (optional)
23. Electric winch 3 contactors (optional)
24. Electric winch 4 contactors (optional)
25. Winch 4
26. Mainsail traveler electric flatwinder powered block contactor

1.6 Mainsail sheet with Line driver circuit



1. Adjustment of the starboard and port mainsail traveler with the line-driver
2. Mainsail sheets
3. Line-driver switch

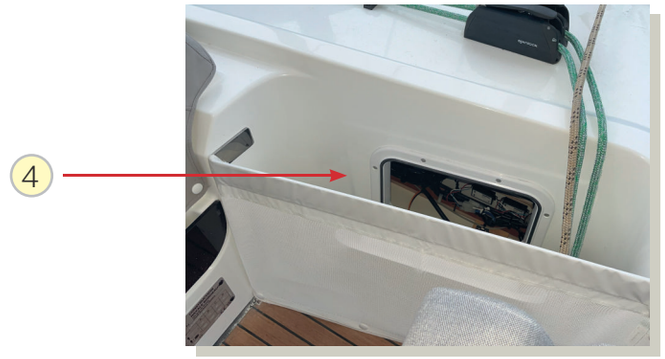
REEFING

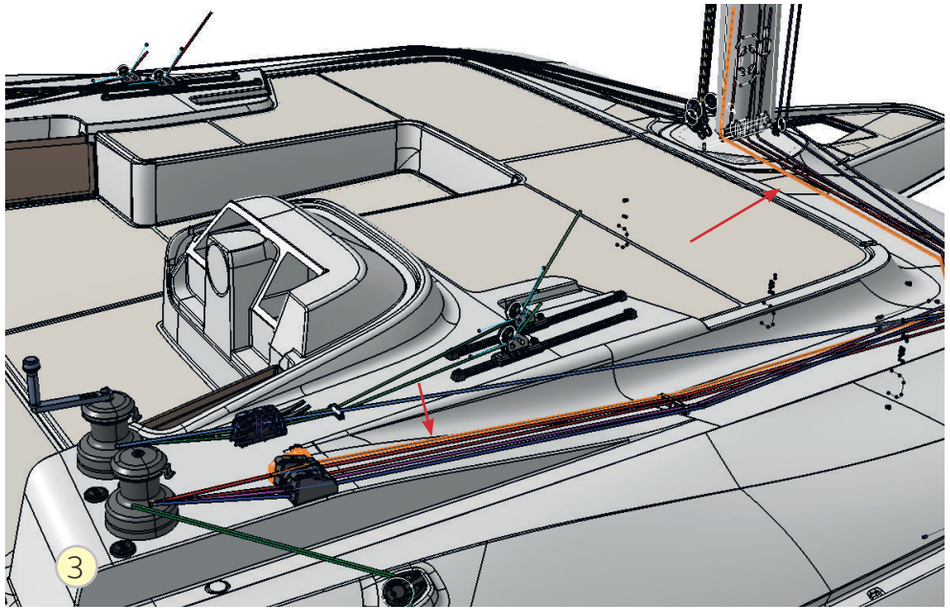
A reef boss on the leech and on the tack is present on each reef.

- Head the boat into the wind;
- Ease off the mainsheet;
- Pull the topping lift tight;
- Ease off the halyard to lower the mainsail below the relevant reef;
- Pull tight on the relevant reef tack line and close the blocker;
- Pull tight on the relevant reef leech line;
- Pull tight on the mainsail halyard to tension the luff.

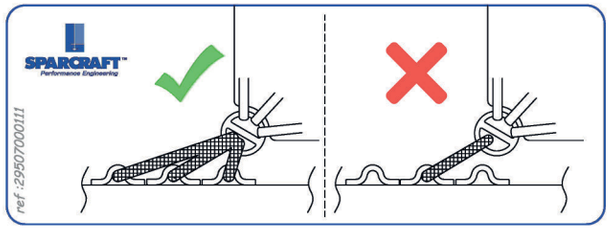
As soon as the 24V circuit is switched on, the line-driver is functional.

The line-driver is protected by a circuit breaker (5) located behind the hatch under the winches, behind the middle rope locker (4).
BREAKER K08: 150 Amp

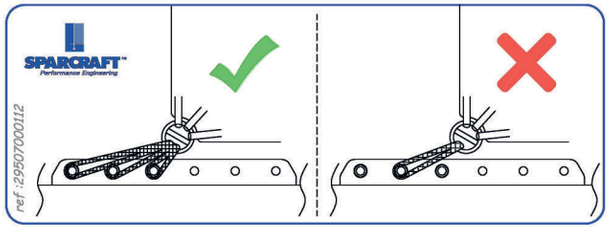




ATTENTION
Make sure that the mainsail foot lashing is correctly tightened on the padeye (1) and on the batten (2).



1



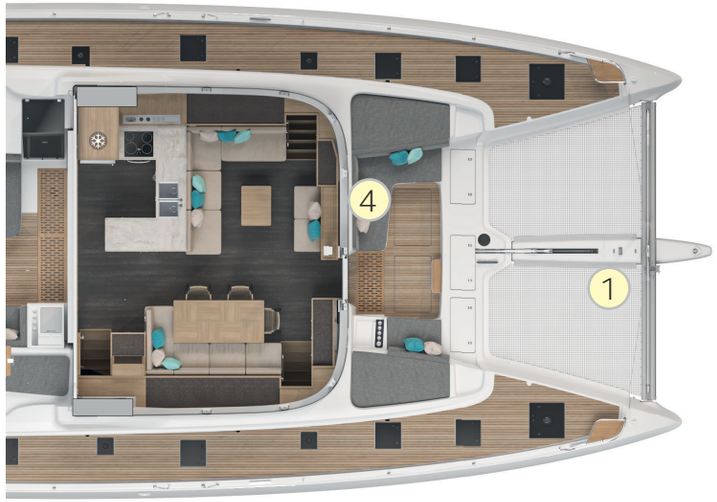
2

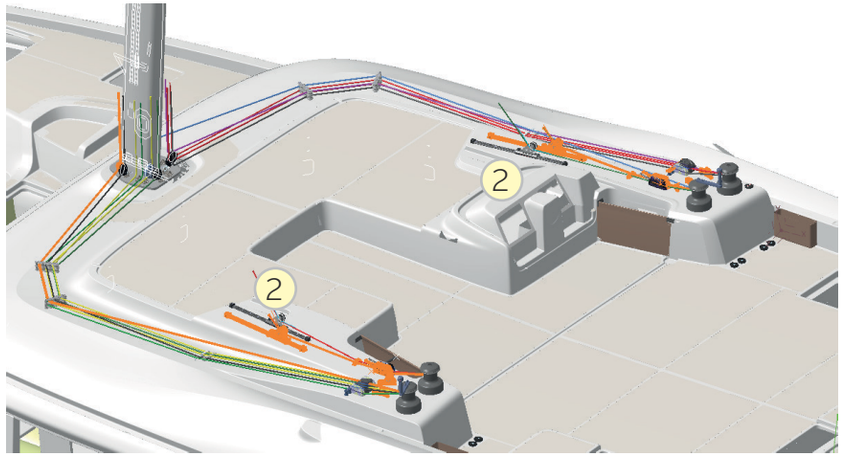
1.7 Electric furling genoa

As soon as the 24V circuit is switched on, the Genoa electric furler is functional.

The furler is protected by a circuit breaker (4) located in the forward cockpit locker (3):
BREAKER K13: 40 Amp

ATTENTION
Check that the headsail halyards are not twisted in their forestay before using their furler.





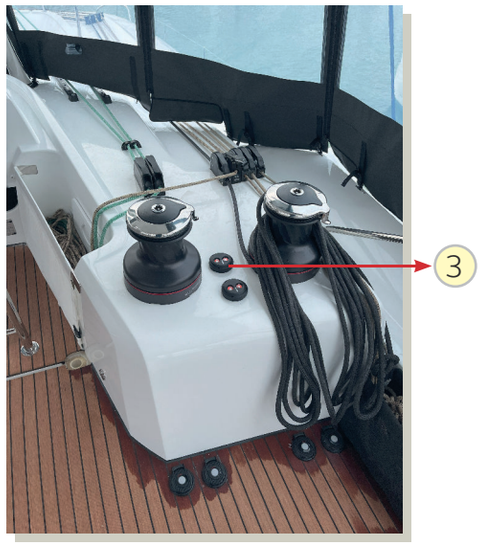
1. Electric furler
2. Sheeting circuit on pinstop track
3. Electric furler contactors
4. Forward locker
5. Breaker

ATTENTION
Never force in case of stiffness when furling or unfurling the headsails.
Check that a halyard is not caught in the furler or that the sail is neither too tight or too loose.

1

4
5

3


3

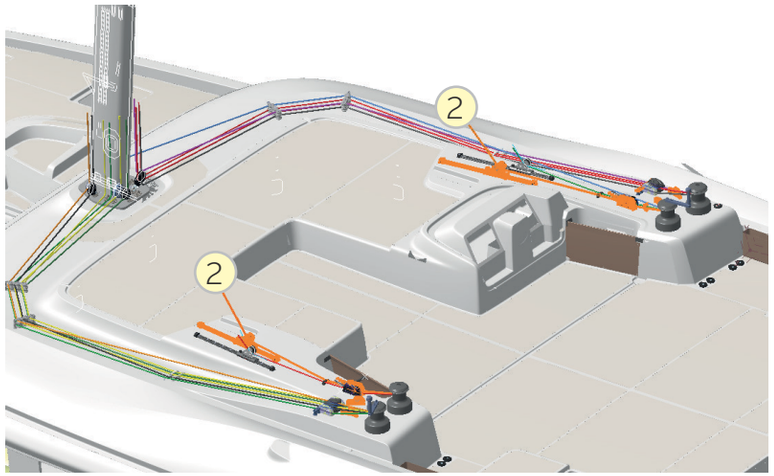
1.8 Electric furling staysail circuit running rigging (optional)

As soon as the 24V circuit is switched on, the staysail electric furler is functional.

The furler is protected by a circuit breaker (4) located in the fore cockpit locker (3)
BREAKER K13: 40 Amp

ATTENTION
Check that the headsail halyards are not wrapped in their forestay before using their furler.

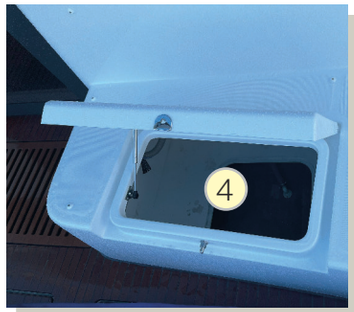
ATTENTION
Never force in case of stiffness when furling or unfurling the headsails.
Check that a halyard is not caught in the furler or that the sail is neither too tight or too loose.



1. Electric furler
2. Sheeting circuit on pinstop track
3. Electric furler contactors
4. Forward locker
5. Breaker

3

3



4

5

4

1

1.9 Code 0 running rigging circuit on optional electric flat drum furler

Hoist the Code 0 before departure, taking advantage of a moment without wind.

- Attach the swivel to the head of the Code 0;
- Attach the halyard to the head swivel;
- Hoist the code 0.

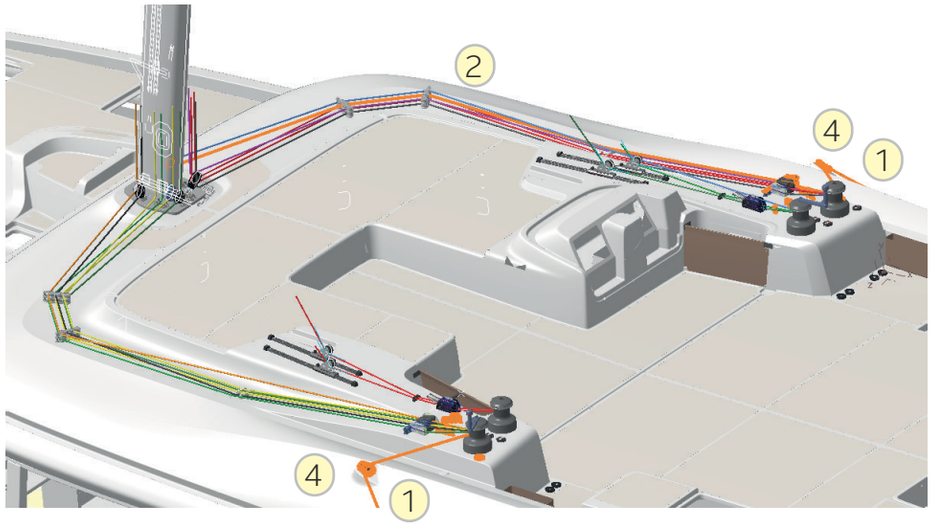
Attach the tack to the fixed flat drum furler at the end of the forward beam.
Code 0 sheets:

- Attach the sheets to the Code 0 's clew;
- The sheets run outside the forestay and shrouds;
- Bring the sheets to the inner winches.

ATTENTION
When sailing downwind, the Code 0 can hide the pushpit navigation lights.

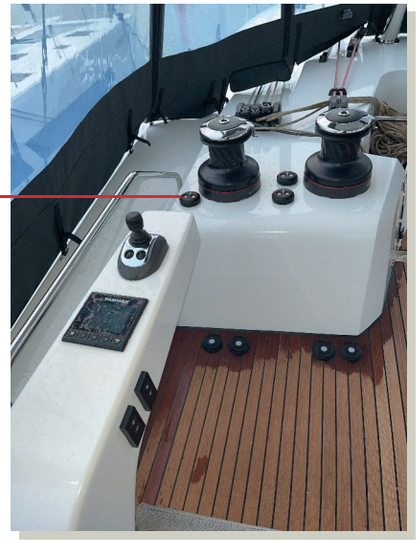
ATTENTION
Lower the Code 0 after each use:
- Risk of UV degradation;
- Untimely unfurling;
- Premature wear of fasteners;
- Additional windage;
- Reduced performance under sail.

1- Code 0 sheets
2- Code 0 halyard
3- Fixed flat drum furler
4- Sheet footblock
5- Electric furler control



As soon as the 24V circuit is switched on, the Code 0 electric flat drum furler is functional.

The flat drum furler is protected by a circuit breaker (6) located in the fore cockpit locker (7)
BREAKER K14: 40Amp

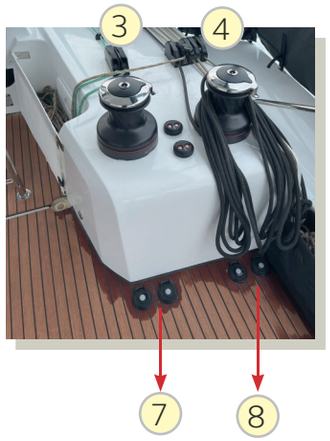


1.10 Electric winches (optional)

As soon as the 24V circuit is switched on, the electric winches are functional.

The electric winches are protected by four circuit breakers located behind the hatch in the starboard rope locker. (1)

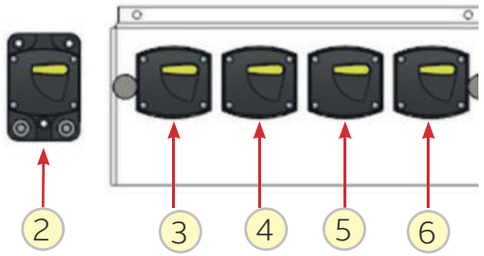
WINCH 1 BREAKER: 80Amp
WINCH 2 BREAKER: 80Amp
WINCH 3 BREAKER: 80Amp
WINCH 4 BREAKER: 80Amp



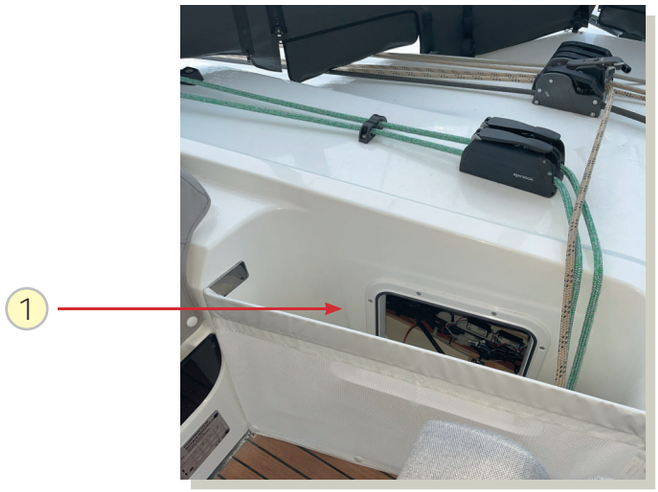
NOTICE
Make at least 5 turns on the winch.
Electric winches generate an extremely powerful force and must be used with great care.
Never force the winch when you notice a jam. Keep your hands away from the winches when using them.

ATTENTION
Please refer to the manufacturer's instructions for dismantling and reassembling the winches.
Incorrect reassembly can lead to accidents (e.g. crank return).

1. Winch 1 ST70.2
2. Winch 2 ST70.2
3. Winch 3 ST70.2
4. Winch 4 ST70.2
5. Winch 1 contactors
6. Winch 2 contactors
7. Winch 3 contactors
8. Winch 4 contactors



2. Line driver cut-out switch
3. Winch 1 cut-out switch
4. Winch 2 cut-out switch
5. Winch 3 cut-out switch
6. Winch 4 cut-out switch



2.1 Tender lift (optional)

The boat can optionally be equipped with a hydraulic tender lift. (1)
The equipment manufacturer's manual gives you detailed explanations on the operating procedure and all the steps to ensure proper function.
It is automatically powered on as soon as the general battery switch on board is turned ON.

Its control (2) is located in the port engine compartment.
A remote control (3) is also supplied with the boat. Switch off the remote control after use.

ATTENTION
The tender lift is designed to support a maximum load of 735kg and a tender with a maximum length of 4.60m. The user should consult the TENDERLIFT manual to check the different lifting capacities depending on the position of the lifted tender's centre of gravity.

DANGER
Sailing with the tender lift in any position other than fully up is strictly forbidden.
When sailing, the tender lift must be locked in the up position.

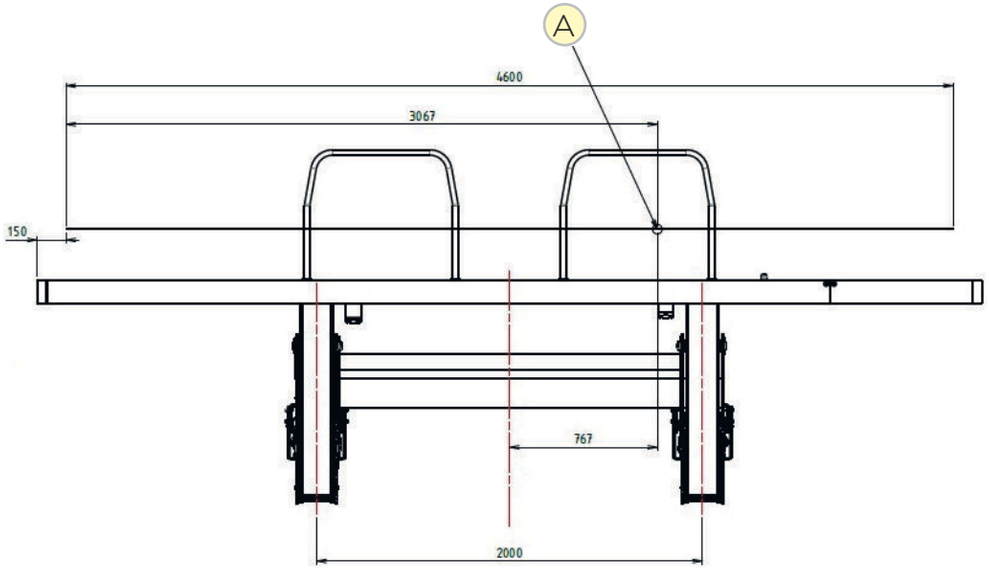
1

A **LIFTING CAPACITY:**
735kg at 767mm
from the lifting platform's centre

Weight of the HIGHFIELD CL460 tender + 60HP engine = 475kg
Weight of one person in the tender while being lifted = 90kg
Weight of the filled-up fuel tank + miscellaneous equipment in the tender (60kg + 60kg) = 120kg
Weight of safety equipment = 50kg

Total load 735kg

Position of the load estimated at 2/3 of the tender's bow.

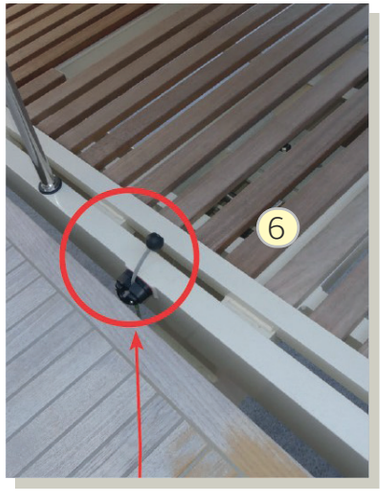


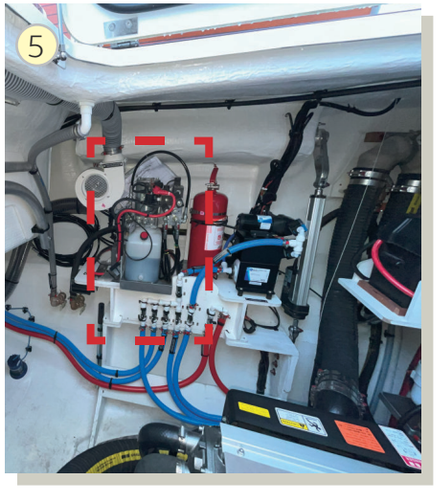
The tender lift is protected by a fuse located on the port engine compartment bus bar (4).
WDC169-FUSE: 200 Amp

The hydraulic pump is located in the port engine compartment (5).

DANGER
Make sure that both ropes are released and that the platform is unlocked before lowering it (6).

X05													
JEU DE BARRES DC LOCAL MOTEUR BABORD / PORT ENGINE AREA DC POWER BAR													
	WDC183		WDC170		WDC012 / 44		WDC181		WDC051		WDC147		
	BATTERIE DEMARRAGE MOTEUR	ENGINE STARTING BATTERY	TENDER LIFT	TENDER LIFT	BATT DEM GE CHARGEUR BATTERIE DEM	GENSET STARTING BATTERY / CHARGER BATT	ALIMENTATION PUISSANCE F35	F35 POWER	REPARTITEUR ALIMENTATION X73	X73 POWER DISTRIBUTOR	CABESTAN BABORD	PORT CAPSTAN	
	WDC165		WDC169				WDC180		WDC050		WDC017		
	/		FUSE : 200A				FUSE : 300A		FUSE : 50A		FUSE : 125A		
	ALTERNATEUR MOTEUR	ENGINE ALERNATOR	TENDER LIFT	TENDER LIFT			ALIMENTATION PUISSANCE F35	F35 POWER	REPARTITEUR ALIMENTATION X73	X73 POWER DISTRIBUTOR	CABESTAN BABORD	PORT CAPSTAN	





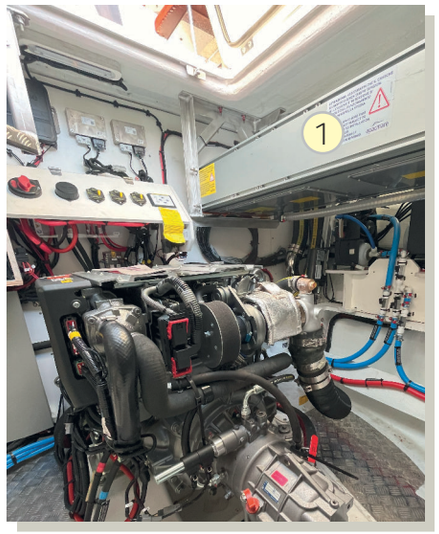
2.2 Hydraulic gangway (optional)

The boat can optionally be equipped with a hydraulic gangway. (1)

The equipment manufacturer's manual gives you detailed explanations on the operating procedure and all the steps to keep it functioning properly.

It is automatically powered on as soon as the general battery switch on board is turned ON.

Its control (2) is located in the starboard engine compartment.
A remote control (3) is also supplied with the boat. Switch off the radio remote control after use.



ATTENTION
Do not use the gangway as a diving board.

The hydraulic gangway is protected by a fuse located on the starboard engine compartment bus bar (4).
WDC158-FUSE: 200 Amp

The hydraulic pump is located in the starboard engine compartment (5).

X06																							
JEU DE BARRES DC LOCAL MOTEUR TRIBORD / STBD ENGINE AREA DC POWER BAR																							
	WDC017			WDC176				WDC091		W216		WDC168		WDC151			
	BATTERIE DEMARRAGE MOTEUR	*ENGINE STARTING BATTERY*		ALIMENTATION PUISSANCE V60	*V60 POWER*			REPARTITEUR ALIMENTATION X73	*X73 POWER DISTRIBUTOR*	CALCULATEUR PILOTE	*PILOT ECU*	PASSERELLE HYDRAULIQUE	*GANGWAY*	CABESTAN TRIBORD	*STBD CAPSTAN*		
	WDC167			WDC177				WDC090		W215		WDC158		WDC019			
	/			/				FUSE : 50A		FUSE : 40A		FUSE : 200A		FUSE : 125A			
	ALTERNATEUR MOTEUR	*ENGINE ALERNATOR*		ALIMENTATION PUISSANCE V60	*V60 POWER*			REPARTITEUR ALIMENTATION X73	*X73 POWER DISTRIBUTOR*	CALCULATEUR PILOTE	*PILOT ECU*	PASSERELLE HYDRAULIQUE	*GANGWAY*	CABESTAN TRIBORD	*STBD CAPSTAN*		

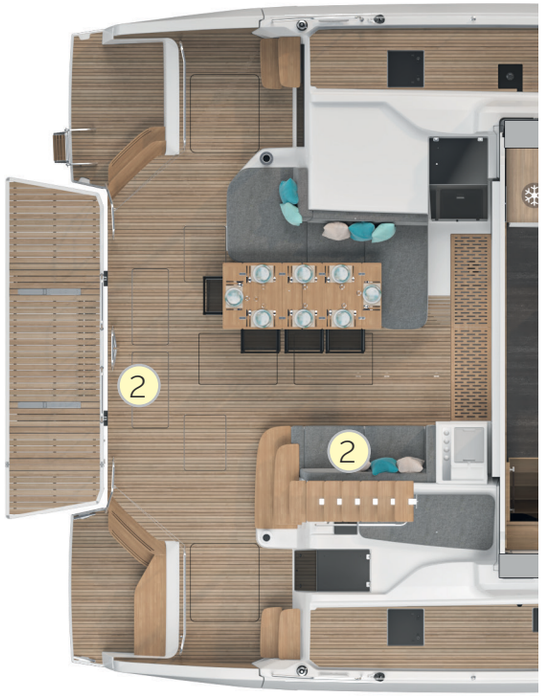
2.3 Carbon gangway (optional)

The boat can optionally be equipped with a folding carbon gangway (1) and two pivot pins. Dismount, store and stow the gangway during navigation.

It can be stored in the middle aft locker or in the locker under the cockpit table (2).

ATTENTION
Do not use the gangway as a diving board.

1



2.4 Starboard and port electric folding aft bulwarks

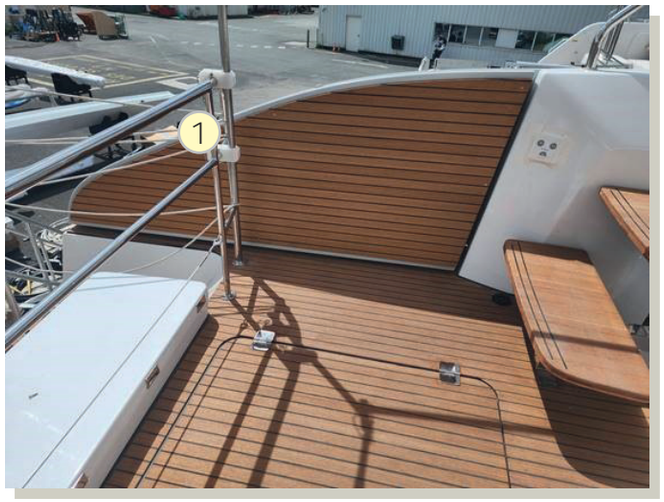
The boat is equipped with two folding bulwarks on portside and starboard side (1).

They are automatically powered on as soon as the general battery switch on board is turned ON.

The bulwark controls (2) are located at the front of each bulwark.

ATTENTION
Do not use open bulwarks as a diving board.

ATTENTION
Do not sail with bulwarks open or unlocked.



The starboard folding bulwark is protected by a circuit breaker located in the locker in the starboard engine compartment (4):

BREAKER F30: 30 Amp

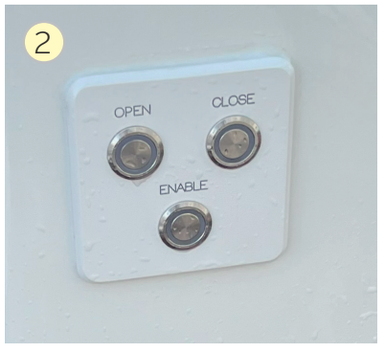
The port folding bulwark is protected by a circuit breaker located in the locker in the port engine compartment (5):

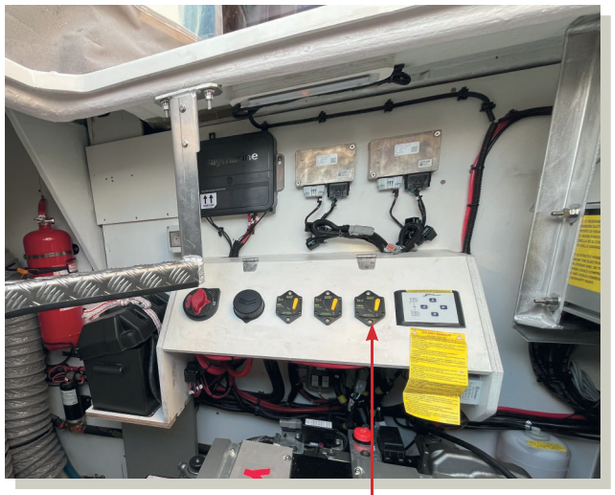
BREAKER: 30 Amp

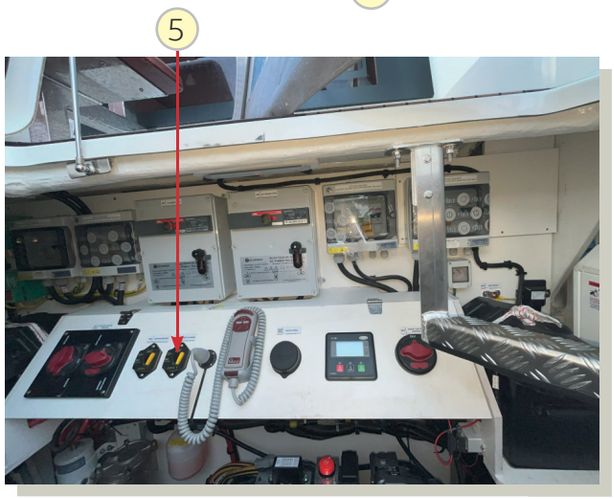
If the bulwarks are in the open or unlocked position, an alarm light comes on at the flybridge helm station.

Controls:

- To open: Press ENABLE + OPEN at the same time.
- To close: Press and hold ENABLE + CLOSE for 10 seconds to lock the bulwark completely; the light at the helm station will then go out.



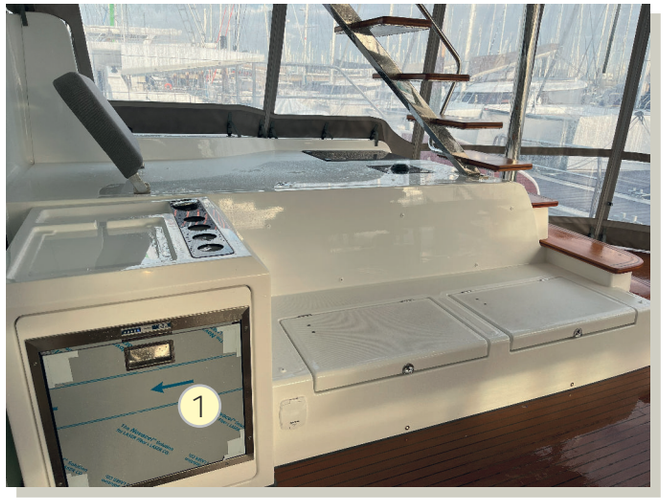




2.5 Starboard cockpit locker set

As standard, the boat is equipped with a cockpit locker set on the starboard side. This piece of furniture can be fitted with an optional 130L 24V fridge (1).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.



FRIDGE OPTION

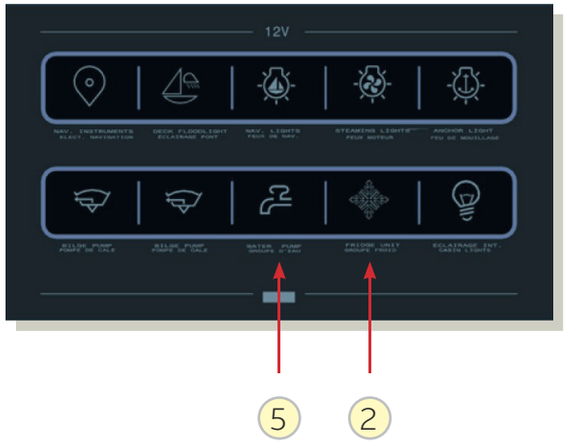
- 130L 24V FRIDGE DRAWER

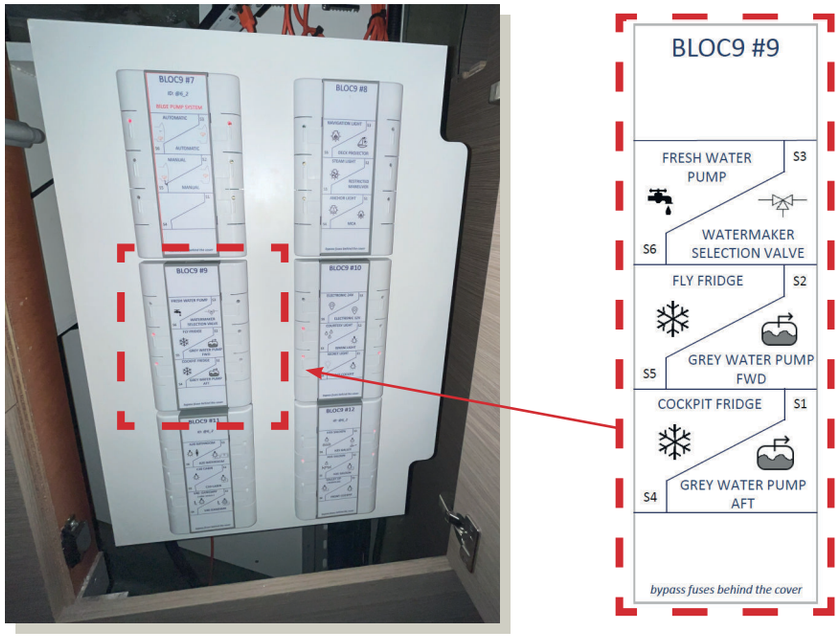
The fridge drawer is activated by the switch on the 10-function control panel located on the front panel in the starboard companionway (2).

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the DC fridges, the power supply block 9 is located in the cupboard of the starboard companionway (3) and is protected by a fuse.

BLOC 9#9 FUSE 2: 20 Amp





3

2.6 Front cockpit bench

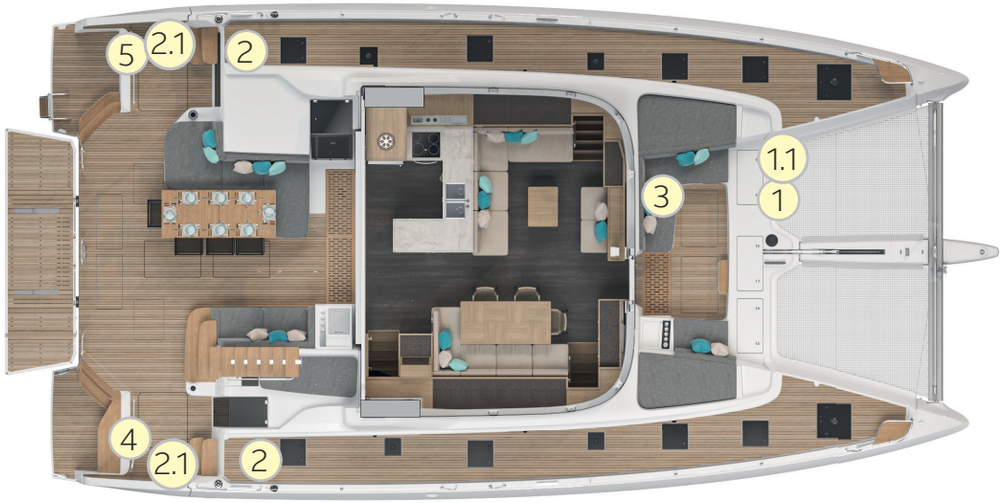
Secure the bench cushions before sailing or remove them.

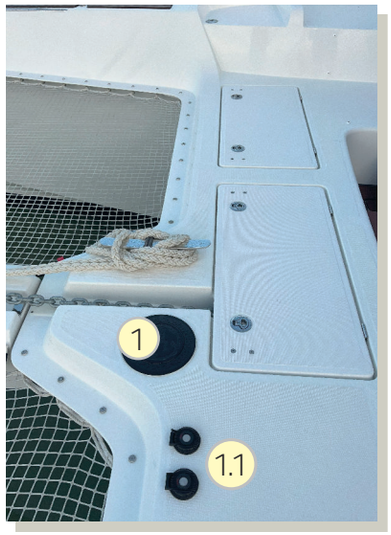
ATTENTION
When sailing in rough seas, do not stay in the forward cockpit area for safety reasons.

2.7 Capstans

The boat is optionally equipped with:
- a flush electric capstan at the front (1) with its
- contactors (1.1);
- and 2 fixed capstans at the stern (2) with their contactors (2.1).

As soon as the 24V circuit is switched on, the electric capstans are functional.



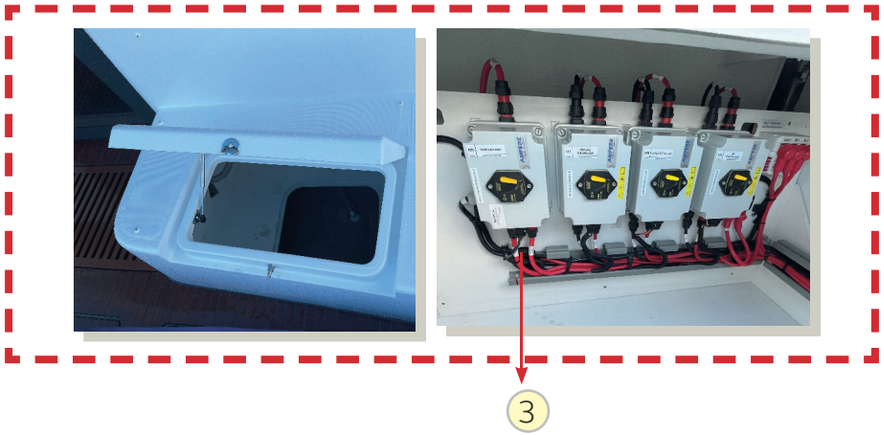


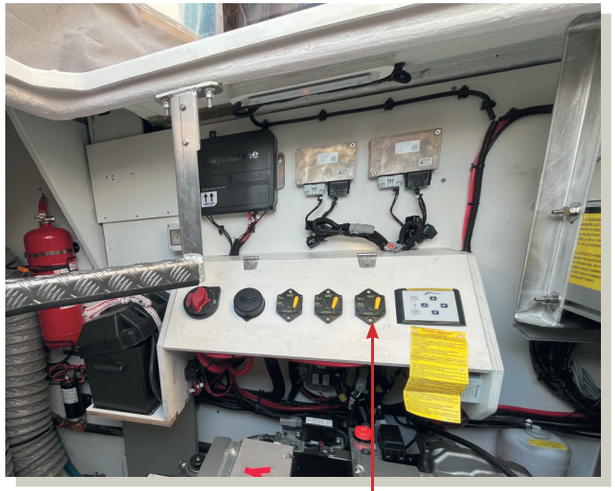
NOTICE

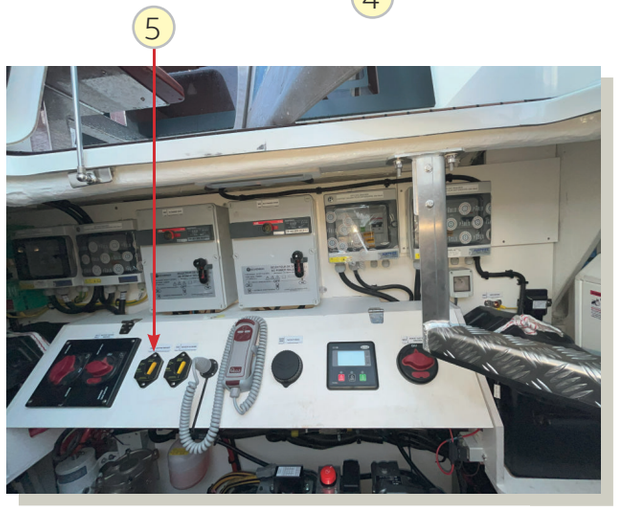
Make at least 3 turns on the capstan.
Electric capstans generate an extremely powerful force and must be used with great care.
Never force the winch when you notice a jam. Keep your hands away from the winches when using them.

ATTENTION

Please refer to the manufacturer's instructions for dismantling and reassembling the capstans.
Incorrect reassembly may cause accidents.







The forward capstan is protected by a circuit breaker located in the forward cockpit locker (3):

BREAKER K06: 150Amp

The starboard aft capstan is protected by a circuit breaker located in the starboard engine compartment (4):

BREAKER: 150Amp

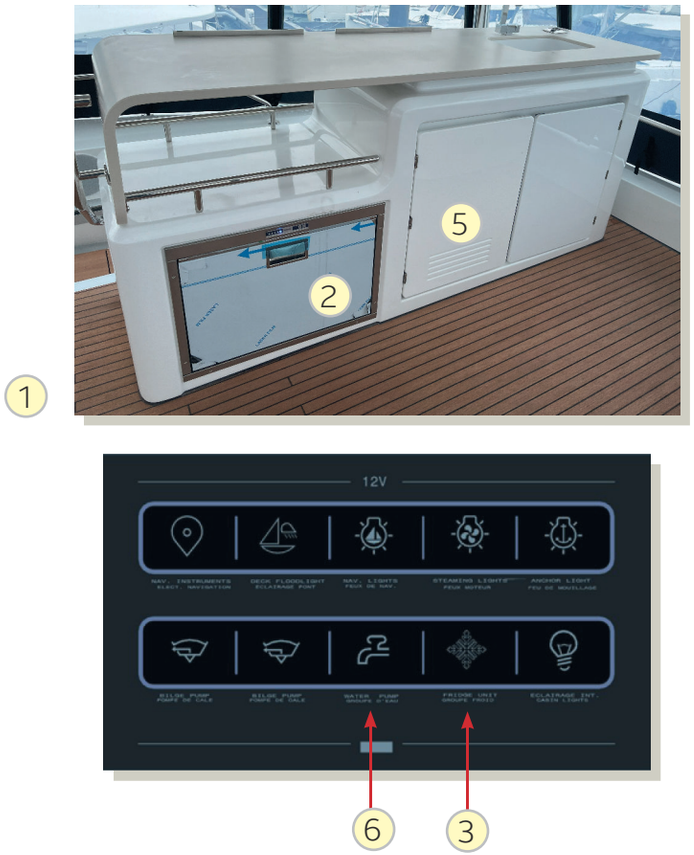
The port aft capstan is protected by a circuit breaker located in the locker in the port engine compartment (5):

BREAKER F06: 150Amp

2.8 Flybridge locker set

The boat is optionally equipped with a flybridge locker set.
This piece of furniture is equipped with a 24V, 70L fridge drawer (1) and an ice maker can be optionally added (5).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

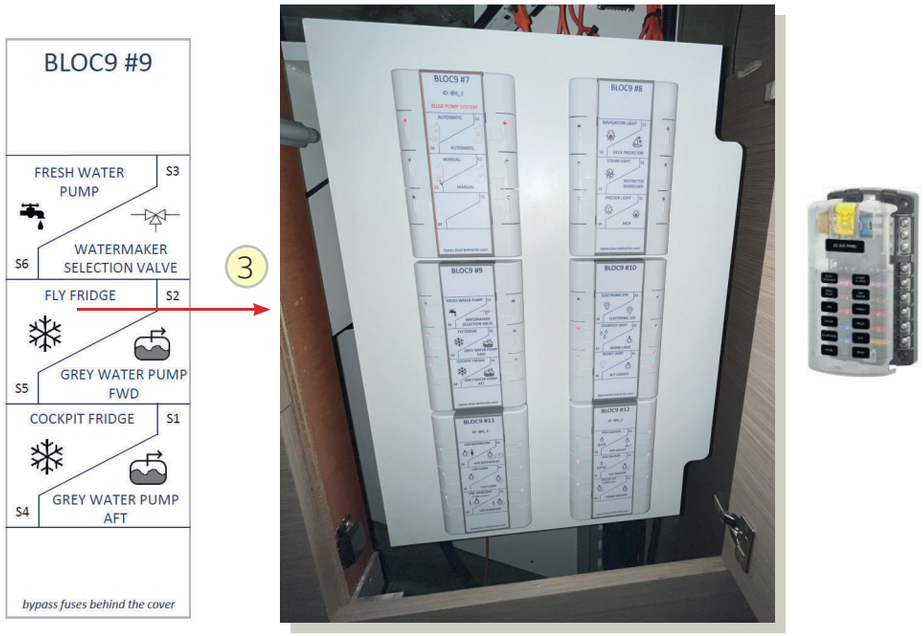


- FRIDGE DRAWER

The fridge drawer (2) is activated by the switch on the 10-function control panel located on the front panel of the starboard companionway (3).

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the DC fridges, the power supply block 9 is located in the cupboard of the starboard companionway (4) and is protected by a fuse.
FUSE 2: 20 Amp



REP : X103 CODE ARTICLE : 000000913709 BOITIER BLUE SEA 12 FUSIBLES AVEC MASSE					
BORNE	CABLE	FIL	COULEUR	CALIBRE	ETIQUETTE
ALIM					
FUSE 1	W 402	W 402	ROUGE_6MM2	[20A]	BLOC9 #8
FUSE 2	W 408	W 408	ROUGE_6MM2	[20A]	BLOC9 #9
FUSE 3	W 404	W 404	ROUGE_6MM2	[20A]	BLOC9 #10
FUSE 4	W 410	W 410	ROUGE_6MM2	[20A]	BLOC9 #11
FUSE 5	W 406	W 406	ROUGE_6MM2	[20A]	BLOC9 #12
FUSE 6	W 421	W 421	ROUGE_6MM2	[20A]	BLOC9 #13
FUSE 7	W 423	W 423	ROUGE_6MM2	[20A]	BLOC9 #14
FUSE 8				unset	unset
FUSE 9				unset	unset
FUSE 10				unset	unset
FUSE 11				unset	unset
FUSE 12	W 501	W 501	ROUGE_2_5MM2	3A	WEB SERVER

- ICE MAKER (optional) (5)

The ice-maker is supplied by the pressurized fresh water system on board.

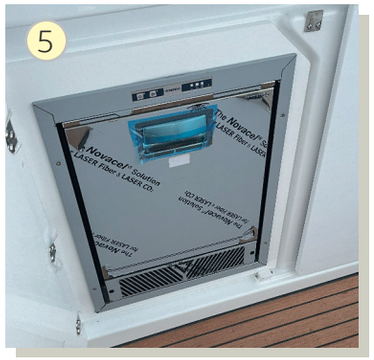
It is activated by the water unit switch (6) located on the 10-function control panel of the starboard companionway.

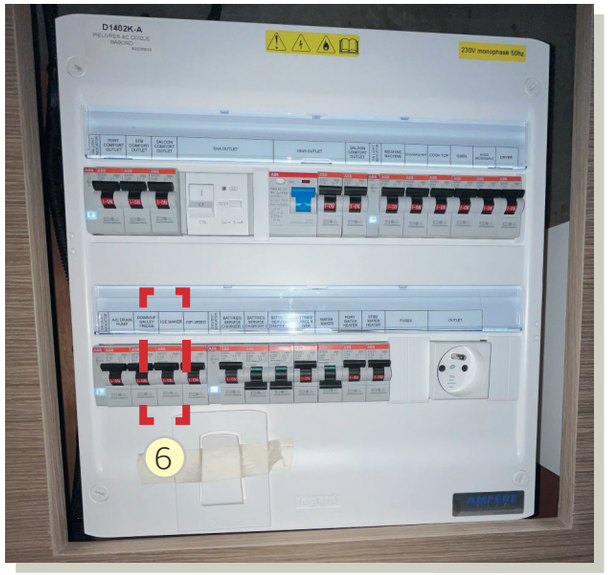
All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the water unit, the power supply block 9 is located in the cupboard of the port companionway (3) and is protected by a fuse.

BLOC 9# 9 - FUSE 2: 20 Amp

Check that the circuit breaker (6) on the permanent power bus on the port forward companionway electrical panel is switched on.
(6)ICE MAKER





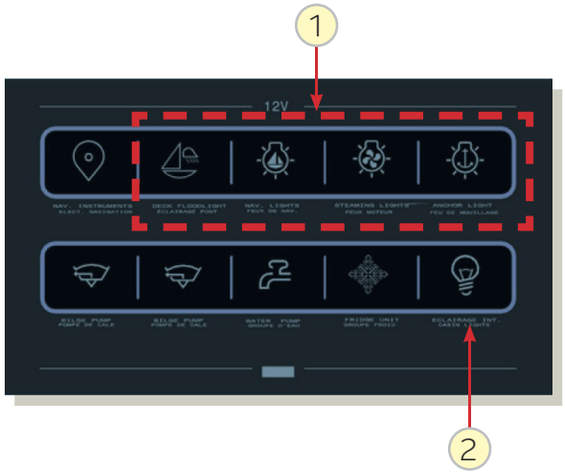
ATTENTION

The fly table can lift if it is not strapped. In case of strong winds, secure the fly table in the folded position using the straps provided for this purpose.

2.9 Exterior lighting

Exterior lighting is controlled in different ways:

- The starboard 10-function control panel located on the front of the starboard companionway,
  - The four switches on the top row allow to control the navigation lights (1);
  - The ALL/OFF switch (2) allows you to turn off all of the boat's lights. However, it is necessary to press this button a second time to reactivate the reading lights' power supplies. Otherwise, the lights cannot be switched on.
- the multifunctional keyboard for the management of exterior lighting located at the helm station (3).
- With the Shipcontrol option, the navigation lights can also be controlled via the helm station display.



All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.

Each 9-function block is protected by a nearby fuse.

Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

IN THE STARBOARD COMPANIONWAY CUPBOARD

For the mooring, engine, navigation lightning and the deck spotlight, power block 9 (4) is protected by a fuse.

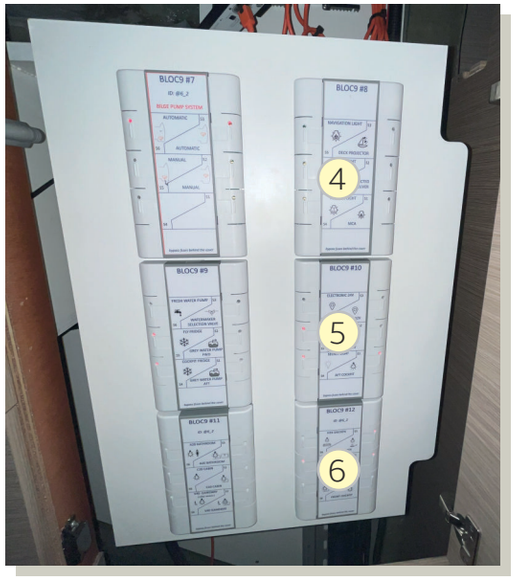
BLOC9 # 8- FUSE 1: 20 Amp

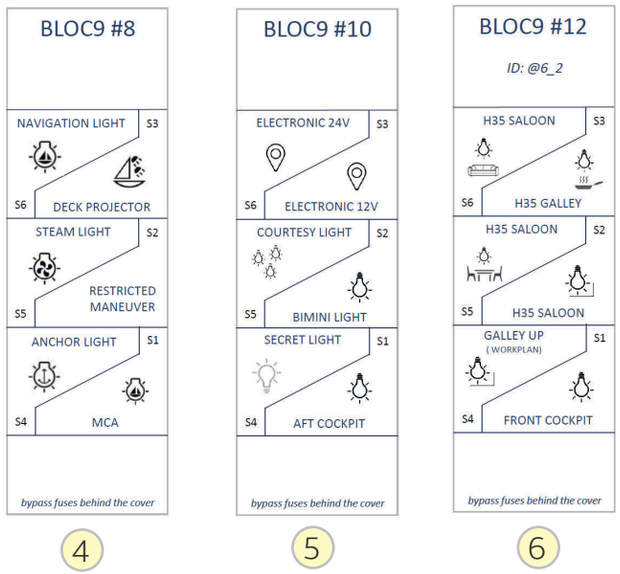
For courtesy lights, bimini lights, secret lights and aft cockpit lights (5), power block 9 is protected by a fuse.

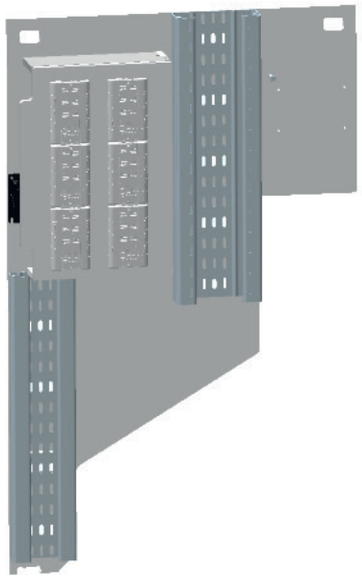
BLOC9 # 10- FUSE 3: 20 Amp

The forward cockpit lighting is powered via block 9 which is protected by a fuse (6).

BLOC9 # 12- FUSE 5- 20 Amp





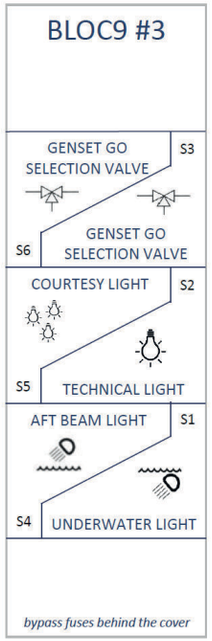


IN THE PORT COMPANIONWAY CUPBOARD

For courtesy lights, stern beam lights and underwater spotlights (optional), power block 9 (8) is protected by a fuse.

BLOC9 # 3- FUSE 2: 20 Amp

8



2-OUTSIDE EQUIPMENT

3-ENGINES

3.1 Tanks

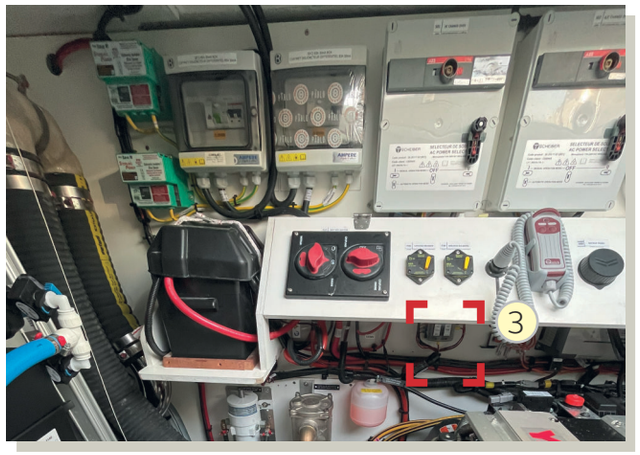
See the EC Owner's Manual
Section *6.1 Tanks*

3.2 4LV150 Yanmar diesel version

See the EC Owner's Manual
Section *6.2 Yanmar 4LV150 diesel version*

3.3 Engine compartment ventilation

The ventilation of the engine compartments is triggered automatically when the engines or the generator are switched on or when the temperature sensor is triggered.



STARBOARD ENGINE COMPARTMENT

The fans in the engine compartments are protected by fuses located in the port engine compartment (3).

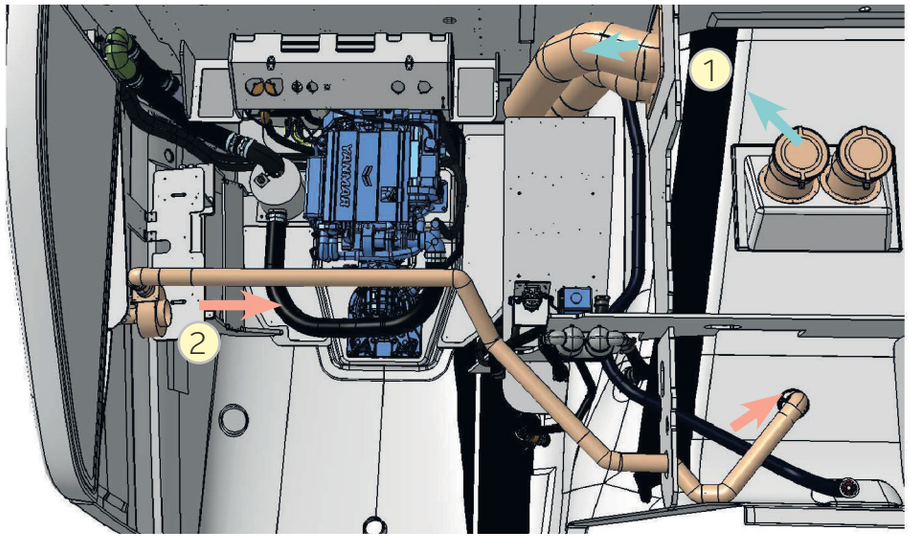
FUSE 3: 10 Amp

4

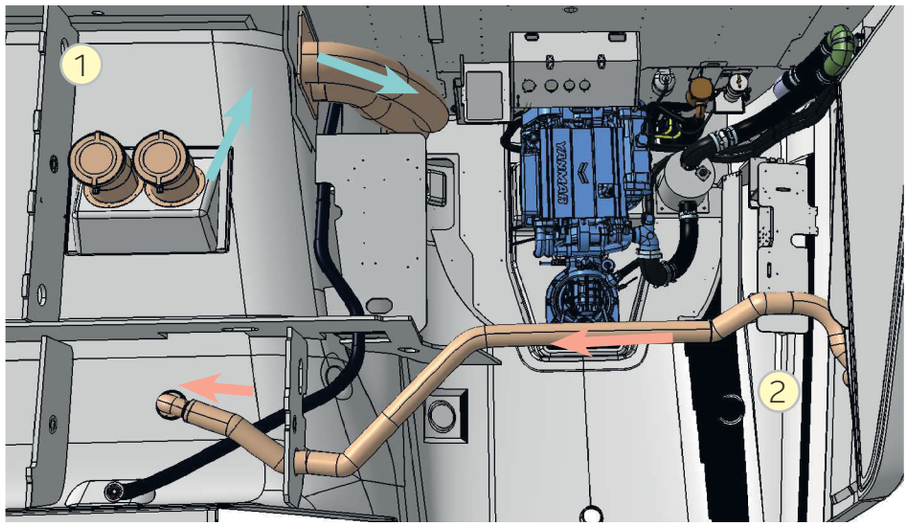
REP : X73 CODE ARTICLE : 000001162416 BOITIER BLUE SEA 6 FUSIBLES AVEC MASSE					
BORNE	CABLE	FIL	COULEUR	CALIBRE	ETIQUETTE
ALIM	WDC090	WDC090	ROUGE_6MM2		
FUSE1				-	-
FUSE2	W 139	W 139	ROUGE_2_5MM2	5A	EXHAUST ALARM
FUSE3	W 148	W 148	ROUGE_2_5MM2	10A	ENGINE FAN
FUSE4	W 149	W 149	ROUGE_4MM2	10A	BULKHEAD CYLINDER
FUSE5	W 192	W 192	ROUGE_2_5MM2	5A	CAPSTAN SWITCH

1. Engine compartment ventilation: fresh air intake
2. Engine compartment ventilation: hot air vent

PORT ENGINE COMPARTMENT



STARBOARD ENGINE COMPARTMENT



3.4 Bow thruster

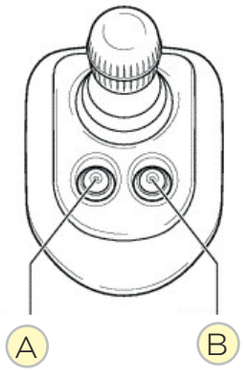
See the EC Owner's Manual
Section *6.6 Bow thruster (optional)*

3.5 Secondary control station

Optionally, it is possible to have a secondary control station on port side, equipped with:

- YANMAR JC20A engine + bow thruster joystick (1);
- Engine start switches (2);
- Engine display (3).

A. Starting the system
B. Idle mode operation



4-ELECTRICAL SYSTEMS

4.1 Chapters included in the EC Owner's Manual

8.1 24V/230V warnings and recommendations
8.2 Procedure for switching on the on-board circuit
8.3 Leaving the boat
8.4 Emergency start
8.5 General principle: AC/DC
8.6 General principle: Multiplexing
8.7 General principle: Audio-Video
8.8 General principle: Electronics
8.9 Equipment layout
8.10 Equipment layout - PORT ENGINE COMPARTMENT
8.11 Equipment layout - STARBOARD ENGINE COMPARTMENT
8.12 Equipment layout - BELOW NACELLE TECHNICAL COMPARTMENT
8.13 Equipment layout - FORWARD PORT COMPANIONWAY
8.14 Equipment layout - FORWARD STARBOARD COMPANIONWAY
8.15 Equipment layout - STARBOARD COMPANIONWAY
8.16 Equipment layout - FLYBRIDGE
8.17 Generator layout

4.2 Shore power socket / shore supply

The boat is equipped with a 230V / 50Hz shore power socket (1) located in the aft starboard transom of the cockpit (230V / 60Hz for the US version). It supplies the 230V circuit and the battery chargers.
A second 63A 230V / 50Hz (2) shore power socket dedicated to air conditioning is installed nearby (50A 230V / 60Hz for the US version).

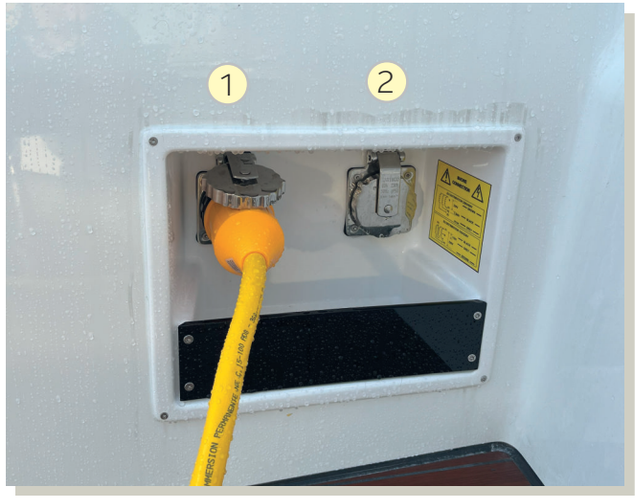
Before connecting or disconnecting the shore power cable, switch off the disconnecting means connected to the shore power supply.

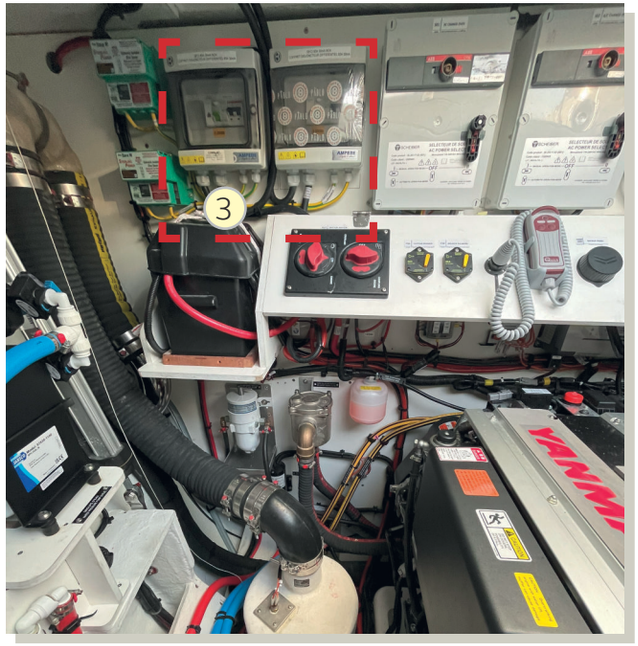
Connect the boat/shore power cable on the boat before plugging it into the socket onshore.
Disconnect the boat/shore power cable on the shore first.
Close the shore power socket cap when the socket is not used.

DANGER
Never let the end of the boat/shore supply cable hang in water. This may result in an electric field that could injure or kill nearby swimmers.

The shore power sockets are protected by circuit breakers located in the port engine compartment (3).

ATTENTION
Before using the shore power sockets, be sure to check that the shore power is 63 Amp and not 32 Amp.





4.3 Batteries / chargers

The battery bank supplying the board with 24 V is located under the saloon floorboard (1).
It is fitted with:

- 6 200Ah batteries;
- 4 additional 200Ah batteries as an option.

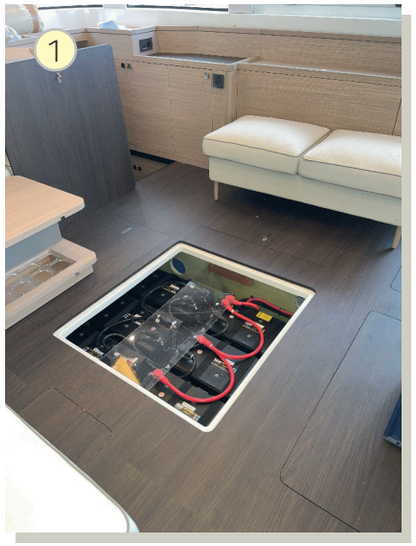
The general powering of the 24V circuit is done by activating the circuit breaker present in the technical compartment located under the nacelle (2).
The key allows the circuit to be locked when the power is off.

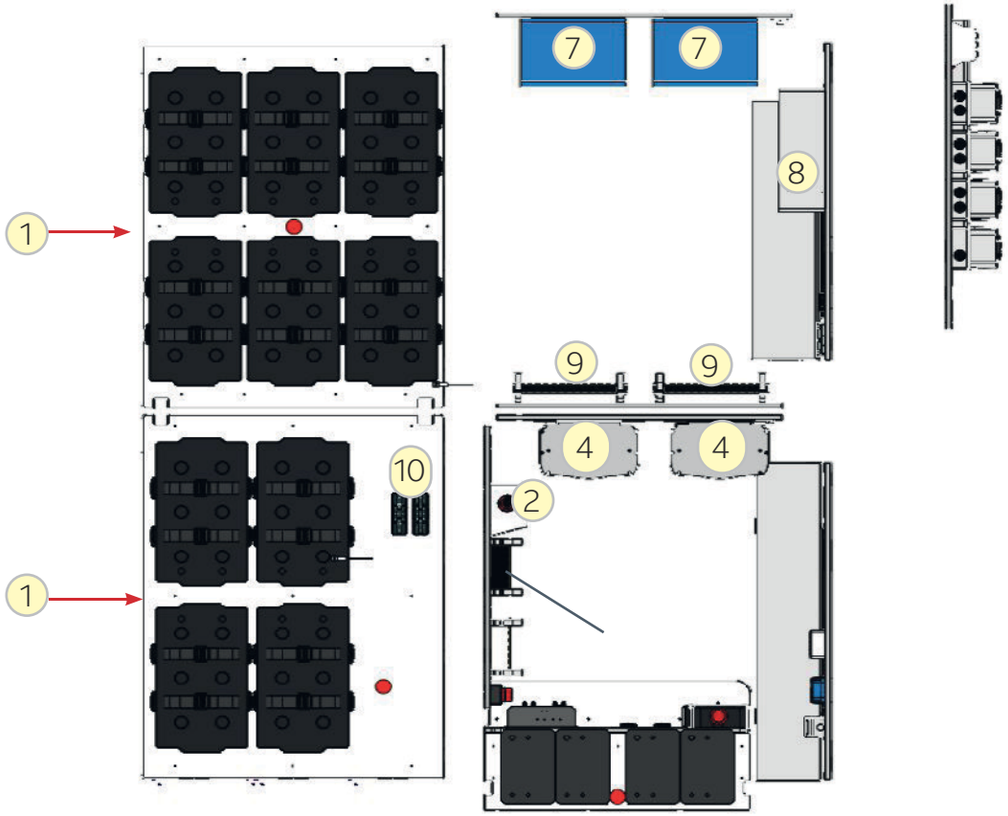
Monitor the battery charge on the Scheiber/Navicolor display located inside the boat on the front of the starboard companionway (3). This information is also available on the navigation screens when the Yacht Management System option is selected.

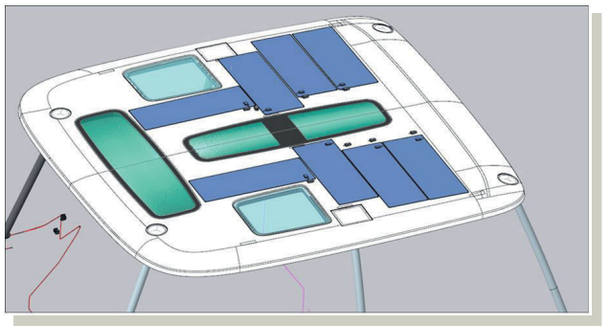
Battery charging
The battery bank is charged by two linked alternators. Depending on her specifications, the boat can be equipped with one or two chargers 230V / 24V - 100A (4). Recharging can also be carried out using the photovoltaic panels on the bimini (5) (optional).

Operation
Check that the chargers are powered up by controlling their circuit breakers, located on the starboard AC electrical panel in the port forward companionway cupboard.

For charging other than via the alternators, select the power source (generator, shore power) from the Scheiber/Navicolor screen located on the front of the starboard companionway.
The battery chargers can remain in operation even when the boat has been powered down to 24V.







5

1. Service batteries below the saloon floorboard.
2. DC service circuit breaker
3. Scheiber/Navicolor screen
4. Charger
5. Photovoltaic panels
6. Electrical AC panel
7. 24V/230V inverter
8. Automatic AC power selector
9. Primary DC power bus bar
10. Battery bank fuses

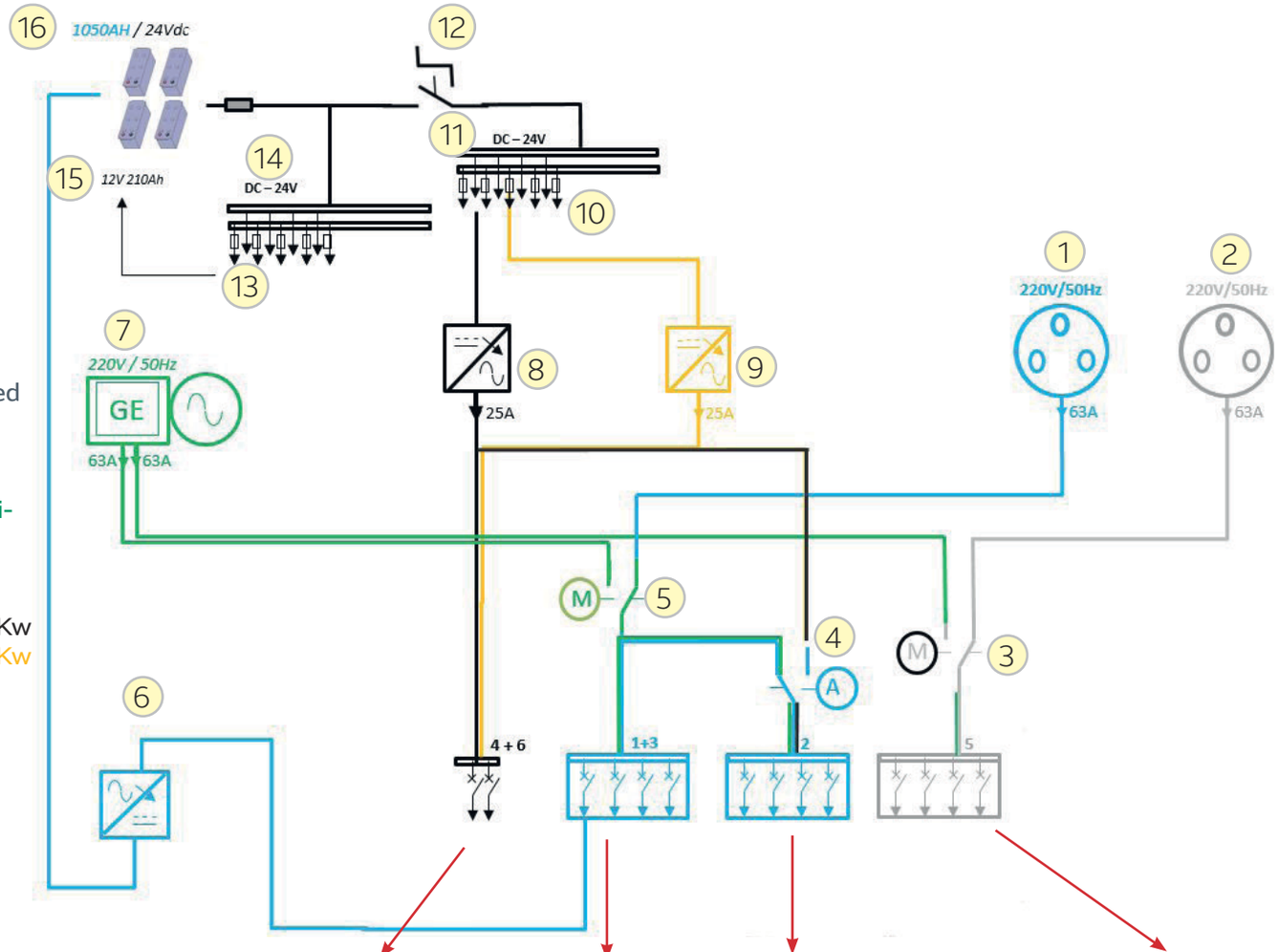
4-ELECTRICAL SYSTEMS

STANDARD VERSION

STANDARD

ESSENTIAL PACK
OPTIONS
ADDITIONAL CONVERTER
GENERATOR
AIR CONDITIONING

1. Service shore power outlet
2. 63A air conditioning shore power outlet
3. SCHEIBER- 80953Q Motorised multiplexed power selector
4. Automatic power transfer switch (shore priority). SUPPLIER / AMPERE
5. SCHEIBER - 80953Q 63A motorised multi-plexed power selector
6. 1 x 100A charger / 1 x 100A charger
7. 17,5 KVA (76A) generator
8. 220V inverter / VICTRON-70570Q 50Hz 5Kw
9. 220V inverter / VICTRON-70570Q 50Hz 5Kw
10. - 24VDC Equipment
    - Electronic pack
11. POWER BUS
12. VIATEMIS 250A SERVICE cut-out switch
13. SERVICE alternator
    -Engine compartment ventilation
    -Drainage system
14. PRIMARY BUS
15. 10 X AGM batteries
16. AGM battery bank



-Fridge
-Ice maker / Wine cellar
-Piezzo plancha
- TV set
- Air conditioning drain

-2 Chargers
- 2 water heaters
- 2 fresh water makers

-Induction cooktop / Oven
- Power sockets
- Dishwasher
- Washing machine
- Washer dryer
- Range hood
- Coffee machine / microwave oven

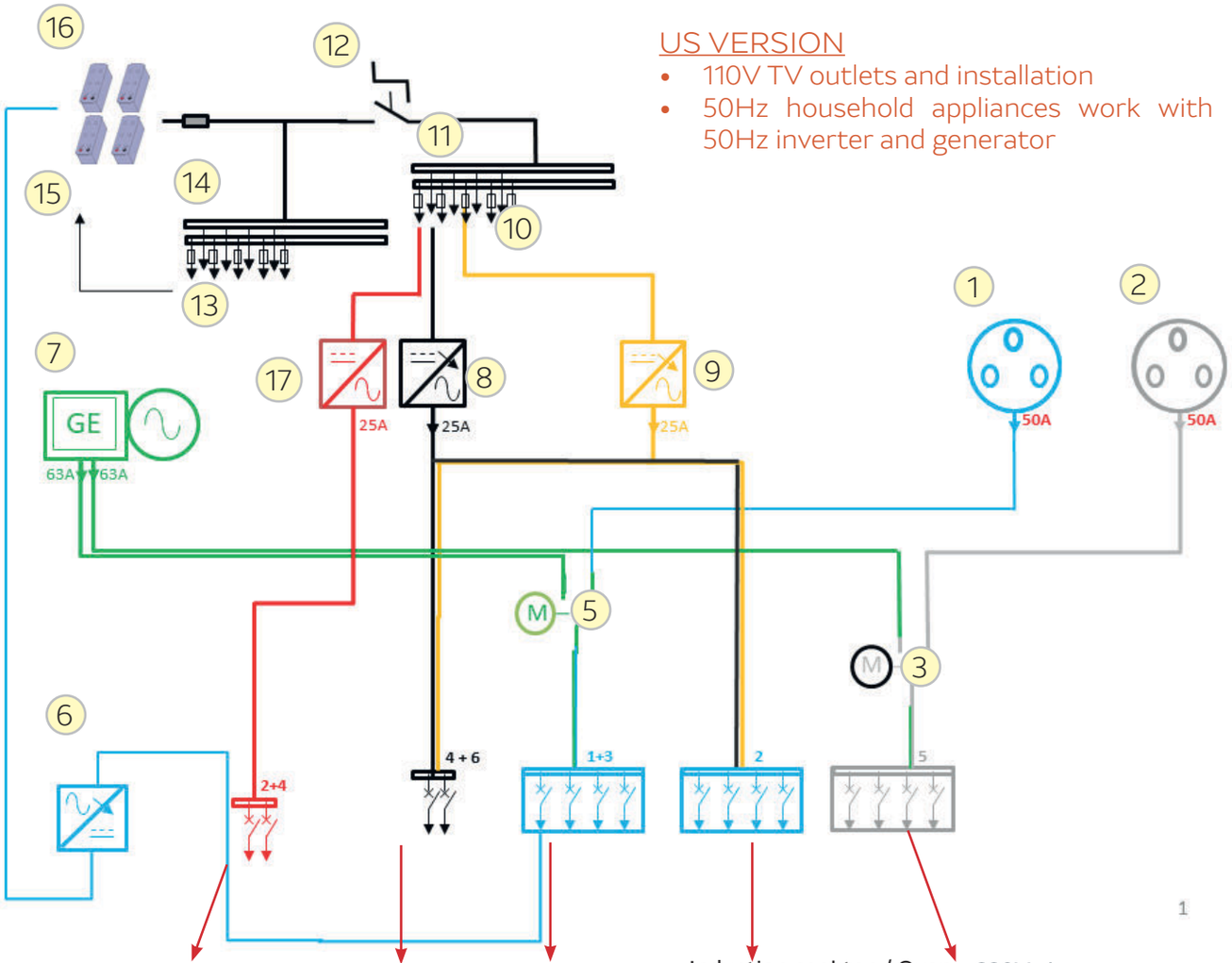
220V air

STANDARD

ESSENTIAL PACK
OPTIONS
ADDITIONAL CONVERTER
GENERATOR
AIR CONTIONING
US VERSION
⚠ 220V pre-wiring
⚠ 50Hz or 60Hz power source

1. 220V / 60Hz Service shore power outlet
2. 220V / 60Hz 63A air conditioning shore power outlet
3. SCHEIBER- 80953Q Motorised multiplexed power selector
4. xx
   SCHEIBER - 80953Q 63A motorised multiplexed power selector
5. 1 x 100A charger / 1 x 100A charger
6. 220 V / 60 Hz 17.5KVA generator (76A)
7. 220V inverter / 50Hz 5Kw VICTRON-70570Q
8. 220V / 50Hz Inverter
   5Kw VICTRON-70570Q
9. - 24VDC Equipment
   - Electronic pack
10. POWER BUS
11. VIATEMIS 250A SERVICE cut-out switch
12. SERVICE alternator
    - Engine compartment ventilation
    - Drainage system
13. PRIMARY BUS
14. 10 X 12V 210Ah AGM batteries
15. AGM battery bank
16. 110V / 60Hz Inverter

US VERSION
- 110V TV outlets and installation
- 50Hz household appliances work with 50Hz inverter and generator



- TV pre-wiring
- Power sockets

-Fridge
-Ice maker / Wine cellar
-Piezzo plancha
- TV set
- Air conditioning drain

-2 Chargers
- 2 water heaters
- 2 fresh water makers

-Induction cooktop / Oven
- Dishwasher
- Washing machine
- Washer dryer
- Range hood
- Coffee machine / microwave oven

220V air

4.4 24V/230V inverters

The boat is equipped as standard with a 24V / 230V - 5,000W inverter located forward in the electrical compartment under the nacelle (1).

This inverter supplies the permanent bus for 230V fridges, the piezzo trigger on the plancha, the air conditioning condensate pumps and the sockets for televisions. It can also power the induction hob's comfort bus, household appliances and sockets other than those provided for televisions, if there is no shore power or generator supply.

As an option, a second 24V / 230V - 5,000W inverter can be added to power these same permanent and comfort buses.

24V/110V inverter

As a US option, the boat can be fitted with a third 24V / 110V - 3,000W inverter located in the same electrical compartment, forward on the port side of the saloon floorboard.

This inverter will then supply a dedicated permanent 110V bus for the television and comfort sockets, while the other two inverters will supply a permanent 230V bus (fridges, piezzo plancha, air conditioning condensate pumps) and a comfort bus (hob and domestic appliances).

1

Operation

The inverter(s) works once the 24V on board circuit is powered.

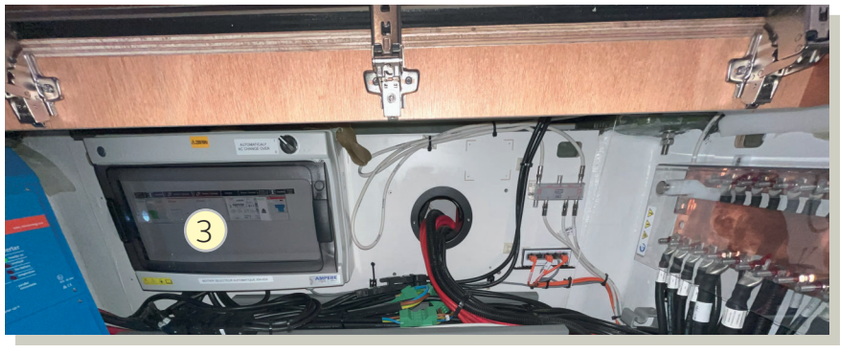
If the circuit breaker is not working, check the circuit breakers located near the inverters.

With the optional 5,000W inverter, the boat is equipped with an automatic power selector enabling the selection of the generator, inverter or shore power for the comfort bus (3).

The power selector automatically selects the SHORE or generator supply. It is also possible to manually deactivate this automatic function via a switch on the selector. This action makes it possible to remain on the inverter for the comfort bus supply (for example in the case of a 60Hz shore power supply).

In the US version, all appliances are connected to the inverter.

The power selector setting is visible on the Scheiber/Navicolor display located inside the boat in the starboard companionway. This information is also available on the navigation screens when the Yacht Monitoring Management option is selected.



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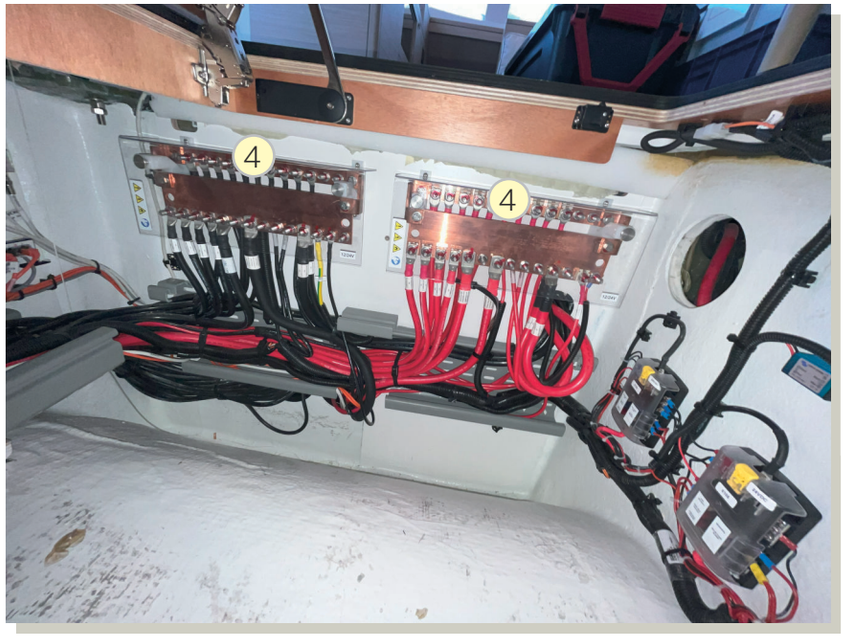
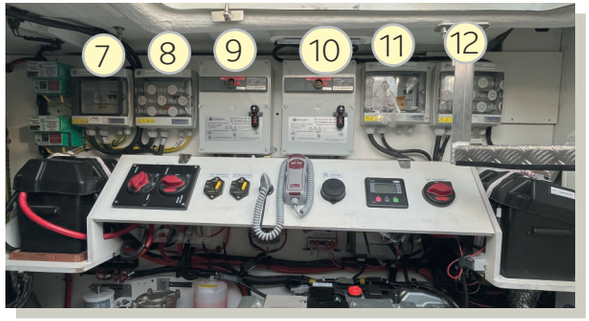


Under the nacelle, in the electrical compartments

1. VICTRON 5000W inverter
2. DC cut-out switch
3. Automatic AC power selector
4. DC power bus bar
5. 100A charger
6. Primary DC bus bar

In the port engine compartment

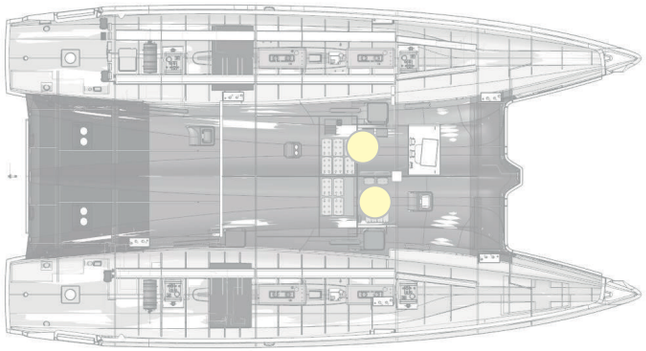
7. Onboard GFCI
8. Air conditioning onboard GFCI
9. Generator AC power selector
10. Air conditioning AC power selector
11. GFCI generator
12. GFCI air conditioning



X03
JEU DE BARRES DC SERVICE / SERVICE DC POWER BAR

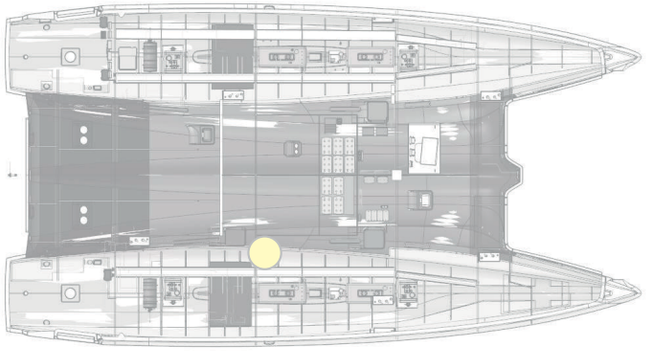
		WDC024		WDC058		WDC104		WDC108		WDC116		HARNESS : W423		WDC141		WDC144		WDC049		WDC142		WDC039 X 2							
		FUSE : 200A		FUSE : 175A		FUSE : 125A		FUSE : 125A		FUSE : 125A		FUSE : 50A		FUSE : 100A		FUSE : 100A		FUSE : 100A		FUSE : 100A		FUSE : 200A		FUSE : 200A					
		GUINDEAU	WINDLASS	CABESTAN RETRACTABLE	CAPSTAN	ENROULEUR GENOIS	GENOA FURLER	ENROULEUR TRINQUETTE	STAYSAIL FURLER	CODE 0 ENROULEUR	SPIFURLER	REPARTITEUR F35 X104	F35 DISTRIBUTION X104	REPARTITEUR BABORD X167	X167 PORT DISTRIBUTION	REPARTITEUR BABORD X123	X123 PORT DISTRIBUTION	REPARTITEUR TRIBORD X103	X103 STBD POWER DISTRIBUTION	REPARTITEUR TRIBORD X250	X250 STBD DISTRIBUTION	CONVERTISSEUR 3000W	3000W INVERTER	CONVERTISSEUR 3000W	3000W INVERTER						

WDC036 X 2				WDC029 X 2				WDC180				WDC156								WDC114 X 2				WDC094		REG ON			
FUSE : 200A		FUSE : 200A		FUSE : 200A		FUSE : 200A		/				FUSE : 300A								/				FUSE : 50A					
CONVERTISSEUR 5000W	5000W INVERTER	CONVERTISSEUR 5000W	5000W INVERTER	CONVERTISSEUR 5000W	5000W INVERTER	CONVERTISSEUR 5000W	5000W INVERTER	JEU DE BARRE LOCAL MOTEUR BABORD	PORT ENGINE AREA POWER BAR			ALIMENTATION JEU DE BARRE V60	V60 POWER BAR							CB SERVICE	BATT SWITCH SERVICE			CHARGEUR PROPULSEUR 24/24V	THRUSTER CHARGER 24/24V	REFERENCE CHARGE ALTERNATEUR MOTEUR	ENGINE ALTERNATOR TENSION REFERENCE		



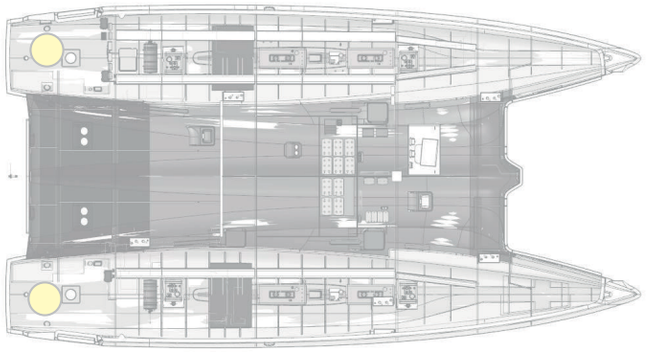
X01
JEU DE BARRES DC PRIORITAIRE / PRIORITARY DC POWER BAR

WDC022 / WDC023		WDC121		WDC009		WDC020		W482		WDC034		WDC102		WDC099 X 2					
/		FUSE : 75A		FUSE : 150A		FUSE : 150A		FUSE : 50A		FUSE : 50A		FUSE : 50A		/					
BATTERIES SERVICE	BATTERY BOARD	PANNEAUX SOLAIRE	SOLAR PANEL	CHARGEUR U01	U01 CHARGER	CHARGEUR U02	U02 CHARGER	REPARTITEUR PRIORITAIRE X105	X105 PRIORITARY PORT DISTRIBUTION	SYSTEME ASSECHEMENT BABORD	PORT BILGE PUMP SYSTEM	SYSTEME ASSECHEMENT TRIBORD	STBD BILGE PUMP SYSTEM	CB SERVICE / B+ ALT	BATT SWITCH SERVICE / B+ ALT				



X07
JEU DE BARRES DC V60 / V60 DC POWER BAR

		WDC161		WDC176			WDC072		
		JEU DE BARRE F35 X03	F35 X03POWER BAR	JEU DE BARRE LOCAL MOTEUR TRIBORD X06	X06 STBDENGINE AREA POWER BAR		ALIMENTATION PUISSANCE ROOF X06	POWER ROOF X17	
		WDC156		WDC177			WDC065		
		/		/			FUSE : 300A		
		JEU DE BARRE F35 X03	F35 X03POWER BAR	JEU DE BARRE LOCAL MOTEUR TRIBORD X06	X06 STBDENGINE AREA POWER BAR		ALIMENTATION PUISSANCE ROOF X06	POWER ROOF X17	



X05

JEU DE BARRES DC LOCAL MOTEUR BABORD / PORT ENGINE AREA DC POWER BAR

		WDC183		WDC170		WDC012 / 44		WDC181		WDC051		WDC147			
		BATTERIE DEMARRAGE MOTEUR	*ENGINE STARTING BATTERY*	TENDER LIFT	TENDER LIFT	BATT DEM GE CHARGEUR BATTERIE DEM	*GENSET STARTING BATTERY / CHARGER BATT*	ALIMENTATION PUISSANCE F35	*F35 POWER*	REPARTITEUR ALIMENTATION X73	*X73 POWER DISTRIBUTOR*	CABESTAN BABORD	*PORT CAPSTAN*		
		WDC165		WDC169				WDC180		WDC050		WDC017			
		/		FUSE : 200A				FUSE : 300A		FUSE : 50A		FUSE : 125A			
		ALTERNATEUR MOTEUR	*ENGINE ALERNATOR*	TENDER LIFT	TENDER LIFT			ALIMENTATION PUISSANCE F35	*F35 POWER*	REPARTITEUR ALIMENTATION X73	*X73 POWER DISTRIBUTOR*	CABESTAN BABORD	*PORT CAPSTAN*		

X06

JEU DE BARRES DC LOCAL MOTEUR TRIBORD / STBD ENGINE AREA DC POWER BAR

		WDC017				WDC176						WDC091		W216		WDC168		WDC151			
		BATTERIE DEMARRAGE MOTEUR	*ENGINE STARTING BATTERY*			ALIMENTATION PUISSANCE V60	*V60 POWER*					REPARTITEUR ALIMENTATION X73	*X73 POWER DISTRIBUTOR*	CALCULATEUR PILOTE	*PILOT ECU*	PASSERELLE HYDRAULIQUE	*GANGWAY*	CABESTAN TRIBORD	*STBD CAPSTAN*		
		WDC167				WDC177						WDC090		W215		WDC158		WDC019			
		/				/						FUSE : 50A		FUSE : 40A		FUSE : 200A		FUSE : 125A			
		ALTERNATEUR MOTEUR	*ENGINE ALERNATOR*			ALIMENTATION PUISSANCE V60	*V60 POWER*					REPARTITEUR ALIMENTATION X73	*X73 POWER DISTRIBUTOR*	CALCULATEUR PILOTE	*PILOT ECU*	PASSERELLE HYDRAULIQUE	*GANGWAY*	CABESTAN TRIBORD	*STBD CAPSTAN*		

4.5 Flexible solar panels on composite bimini top (optional)

The boat may optionally be equipped with flexible solar panels (8 x 150W) (1).

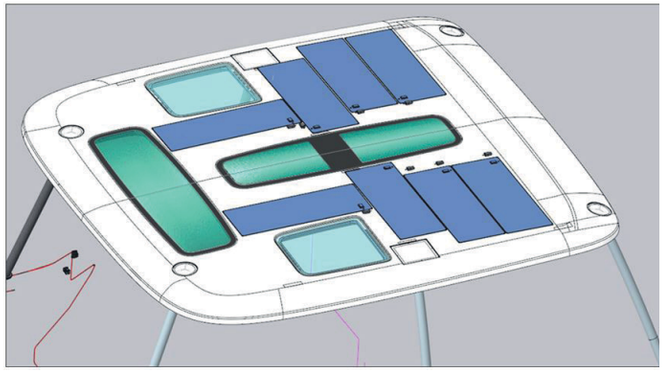
The thermal circuit breaker is located in the starboard hatch of the rope locker on the flybridge (2).

In the aft starboard companionway, in the technical compartment, the MPPT solar regulator powers up the service battery bank (3).

Maximum efficiency depends on the exposure of the solar panels.

Information relating to the solar panels is shown on the Navicolor display located in the forward starboard companionway (4).

1



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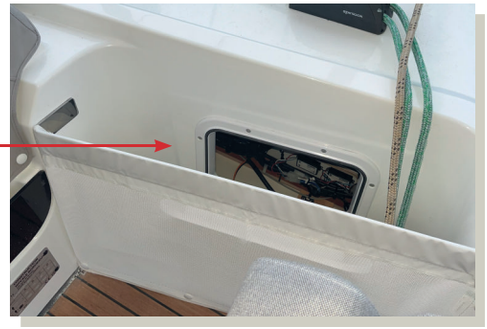
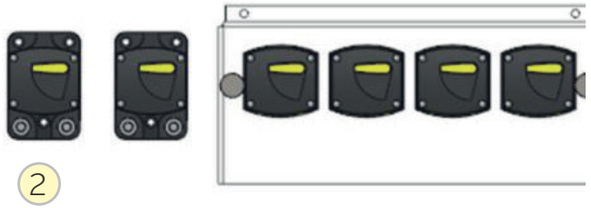
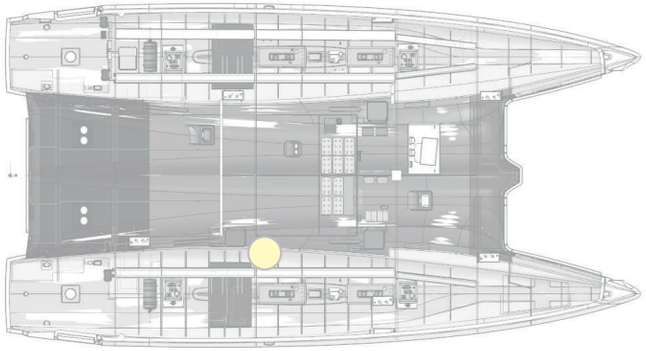




2



3

NOTICE
It's possible to walk on the solar panels.

WARNING
Solar panels can become very hot after prolonged exposure to the sun.

5-PLUMBING SYSTEM

5.1 Fresh water system - general layout

See the EC Owner's Manual
section *9.1 Fresh water system*

5.2 Filling

Four 240-liter HDPE fresh water tanks(1) positioned below the side hull floors, with level indicators on Scheiber/-Navicolor in the starboard companionway (2).

- Equipped with 2 deck fillers on the port and starboard sides (3) and a shore fresh water supply on the port side of the aft transom (4).
- The shore fresh water supply enables you to use the shore pressure directly on board
- Hot water production is ensured by a 230V, 80L-capacity water heater (in each side hull) (5).

To prevent operating errors, do not fill the water and fuel tanks at the same time.

WHEN FILLING THE TANKS

- Open and close the deck filler cap with the appropriate wrench;
- Check the condition of the fuel filler cap seal when filling;
- The tanks are equipped with vented overflow outlets;
- Never push the water filler hose deep into the system to avoid overpressure in the water circuit.

Note: The fresh water tank(s) capacity shown on the Scheiber / Navicolor screen may not be fully usable depending on the boat's trim and load.

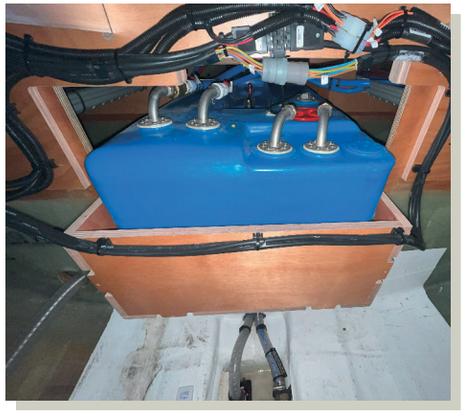
WARNING
In case of empty tanks, switch off the water unit in order to avoid any damage to the unit.

NOTICE
Monitor water quality before filling. Check if the water is drinkable.
In case of extended inactivity, purify tanks and pipes with an appropriate treatment.

As an option, the boat is equipped with a fresh water shore connector.
TO USE FRESH WATER FROM THE HARBOR:

- Connect the shore connector;
- Turn the water unit switch to OFF.

1



2

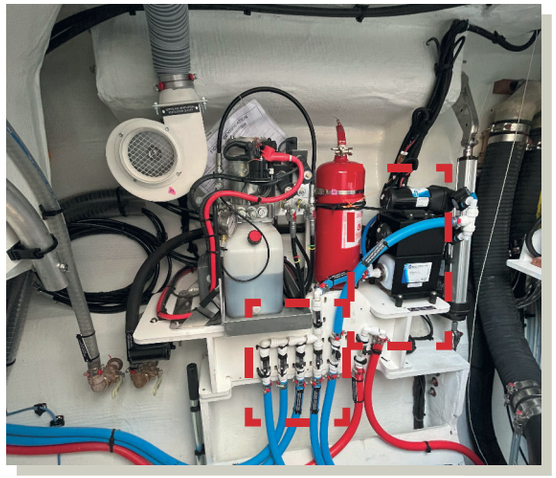
3

5

4

STARBOARD ENGINE COMPARTMENT

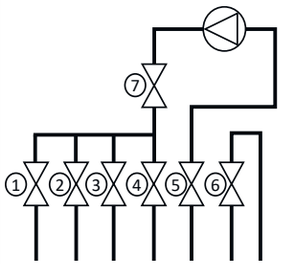
5



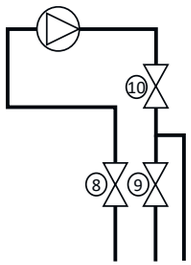
PORT ENGINE COMPARTMENT

5-PLUMBING SYSTEM

BÂBORD / *PORT*



TRIBORD / *STARBOARD*



C : FERMEE / CLOSE
O : OUVERT / OPEN

		BÂBORD / *PORT*									TRIBORD / *STARBOARD*				
		OPTION LAVE PONT COCKPIT ARRIERE *OPTIONAL COCKPIT DECK WASHER*	PRISE DE QUAI EAU DOUCE *FRESH WATER SHORE INLET*	ALIMENTATION EAU DOUCE TRIBORD *STARBOARD FRESH WATER SUPPLY*	ALIMENTATION EAU DOUCE BABORD *PORT FRESH WATER SUPPLY*	ASPIRATION GROUPE D'EAU DOUCE BABORD PORTSIDE TANK SUCTION PORT	ALIMENTATION EAU CHAUDE TRIBORD *STARBOARD HOT WATER SUPPLY*	SORTIE GROUPE D'EAU *WATER PRESSURE PUMP OUTLET*	ENTRE EAU FROIDE CHAUFFE EAU *WATER HEATER INLET*	SORTIE EAU CHAUDE CHAUFFE EAU *WATER HEATER OUTLET*	ASPIRATION GROUPE D'EAU DOUCE TRIBORD *STARBOARD TANK SUCTION PORT*	ALIMENTATION EAU DOUCE TRIBORD *STARBOARD FRESH WATER INLET*	SORTIE GROUPE D'EAU WATER PRESSURE PUMP OUTLET	ENTRE EAU FROIDE CHAUFFE EAU WATER HEATER INLET	SORTIE EAU CHAUDE CHAUFFE EAU TD *WATER HEATER OUTLET*
		1	2	3	4	5	6	7			8	9	10		
Fonctionnement normal	***Normal operation***	O	C	C	O	O	C	O	O	O	O	O	O	O	O
Fonctionnement sur prise de quai	***Operation on shore power***	O	O	O	O	C	C	C	O	O	C	O	C	O	O
Réservoir tribord vide	*Starboard tank empty*	O	C	O	O	O	C	O	O	O	C	O	C	O	O
Réservoir bâbord vide	*Port tank empty*	O	C	O	O	C	C	C	O	O	O	O	O	O	O
Pas d'eau chaude à bâbord	*No hot water on port side*	O	C	C	O	O	O	O	C	C	O	O	O	O	O
Pas d'eau chaude à tribord	*No hot water on starboard side*	O	C	C	O	O	O	O	O	O	O	O	O	C	C
Réservoir tribord vide, pas d'eau chaude à tribord	*Starboard tank empty, no hot water on starboard side*	O	C	O	O	O	O	O	O	O	C	O	C	C	C
Réservoir bâbord vide, pas d'eau chaude à bâbord	*Port tank empty, no hot water on port side*	O	C	O	O	C	O	C	C	C	O	O	O	O	O
Réservoir tribord vide, pas d'eau chaude à bâbord	*Starboard tank empty, no hot water on port side*	O	C	O	O	O	O	O	C	C	C	O	C	O	O
Réservoir bâbord vide, pas d'eau chaude à tribord	*Port tank empty, no hot water on starboard side*	O	C	O	O	C	O	C	O	O	O	O	O	C	C

5-PLUMBING SYSTEM

5.3 Distribution

A water unit is located in the port engine compartment and the other one is in the starboard engine compartment (1).
They are activated by a switch located on the 10-function control panel on the front of the starboard companionway (2).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks (3).

Each 9-function block is protected by a nearby fuse.

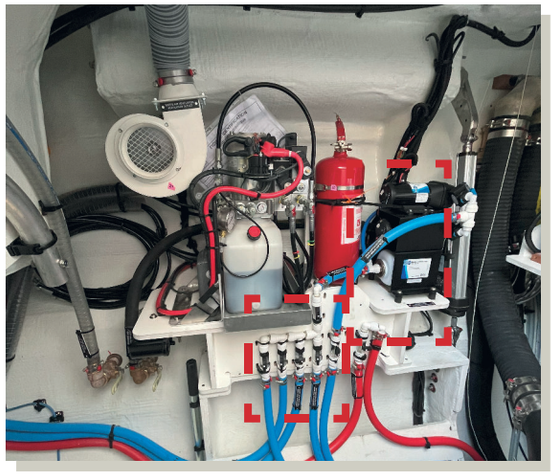
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the water unit (2), the power supply block 9 is located in the cupboard of the port companionway (3) and is protected by a fuse.

BLOC 9# 9 - FUSE 2: 20 Amp

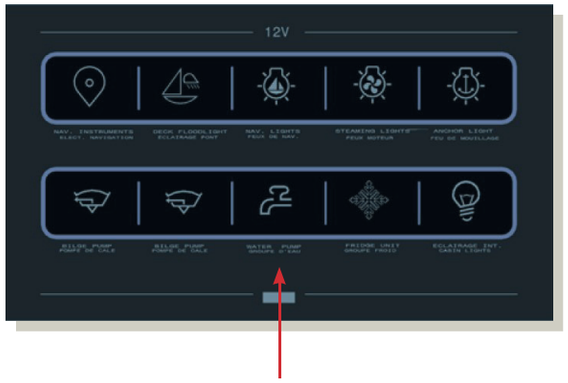
NOTICE
Never operate the water system equipment when the valves are closed or when the tanks are empty (risk of damage to the electrical equipment).
Monitor the condition of the various water filters.

STARBOARD ENGINE COMPARTMENT

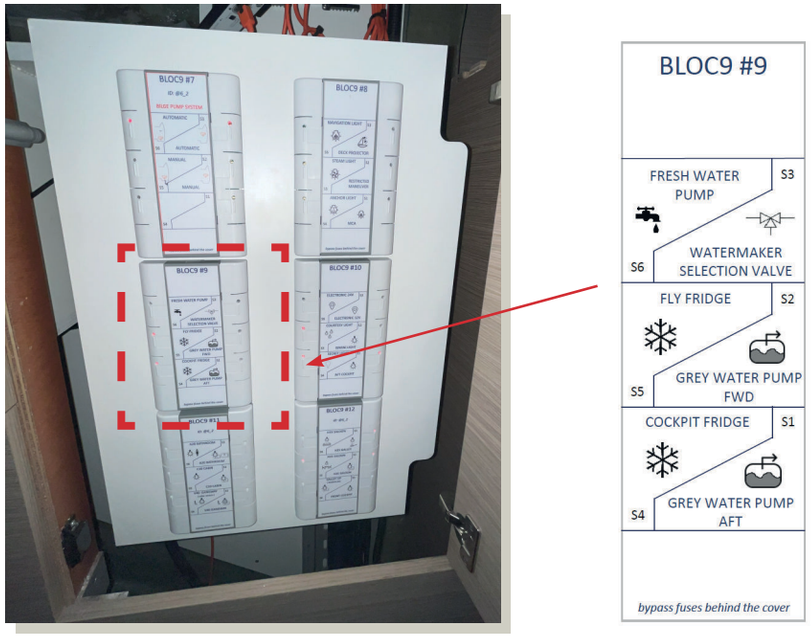


PORT ENGINE COMPARTMENT

1



2



BLOC9 #9
FRESH WATER PUMP
S3
WATERMAKER SELECTION VALVE
S6
FLY FRIDGE
S2
GREY WATER PUMP FWD
S5
COCKPIT FRIDGE
S1
GREY WATER PUMP AFT
S4
bypass fuses behind the cover

3

5.4 Water heaters

The water heaters (1) operate automatically on the 230V circuit after connecting the shore power socket, switching on the generator or inverter, or starting the engines.

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

Check that the circuit breaker on the power bus on the electrical panel located in the cupboard of the port forward companionway is switched on(6).

PORT WATER HEATER: 16 Amp
STBD WATER HEATER: 16 Amp

The temperature of the hot water is preset by means of the thermostat tap located on the heater(s) (3).

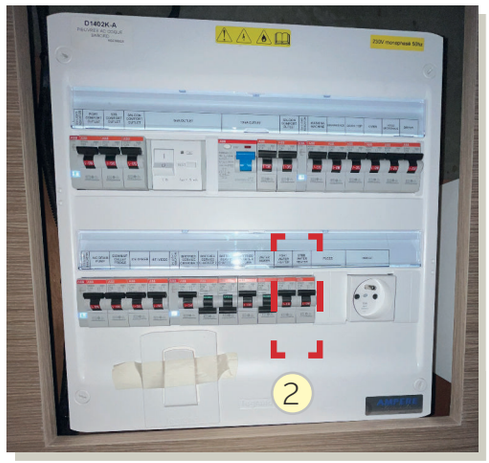
Check that the valve at the outlet of each water heater is open to supply hot water to each side hull.

NOTICE
When the heater(s) is/are not in use, switch it/them off from its/their 230V circuit.
Before turning on the 230 V circuit, check that the water heater is filled with water.

WARNING
Never turn on the system when the valves are in the closed position or when the tanks are empty.

1

3



2

5.5 Cockpit shower

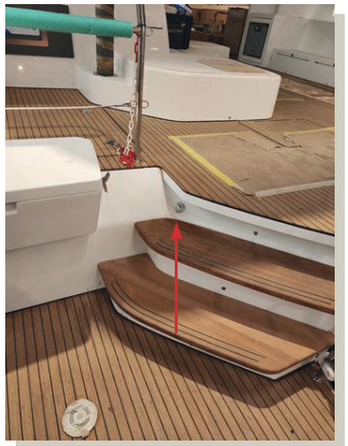
The boat is fitted with a hot/cold water cockpit shower under the port aft transom step as standard (1) and under the starboard aft transom step as an option.

It is activated by the water unit switch (2) located on the 10-function control- of the starboard companionway.

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

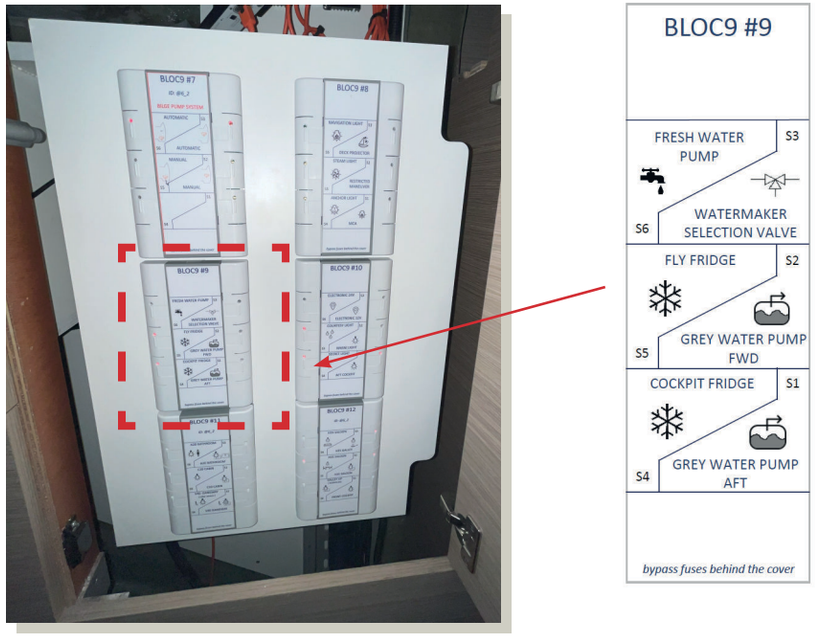
For the water unit (2), the power supply block 9 is located in the cupboard of the starboard companionway (3) and is protected by a fuse.

BLOC 9# 9 - FUSE 2: 20 Amp



1

2



3

5.6 Front and stern deck wash

As an option, the boat can be equipped with:

- A freshwater/seawater deck wash pump at the front (1);
- A fresh water intake valve located near the aft pillar on the port side of the flybridge (2).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

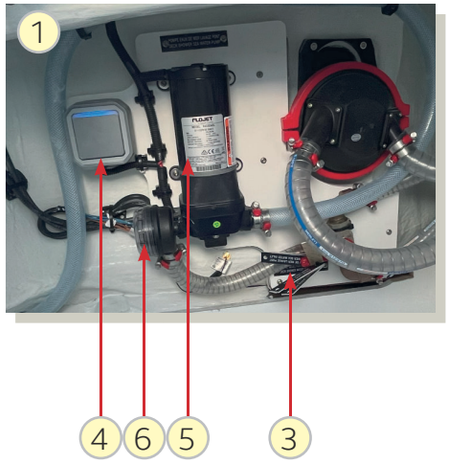
The forward deck wash pump supplies sea water or fresh water from the tanks.
The selection valve (3) for fresh or sea water is located next to the pump (5).
Power up the deck wash pump with the switch (4) located close to the pump.
Open the sea water intake valve located under the floorboard of the port forward cabin.

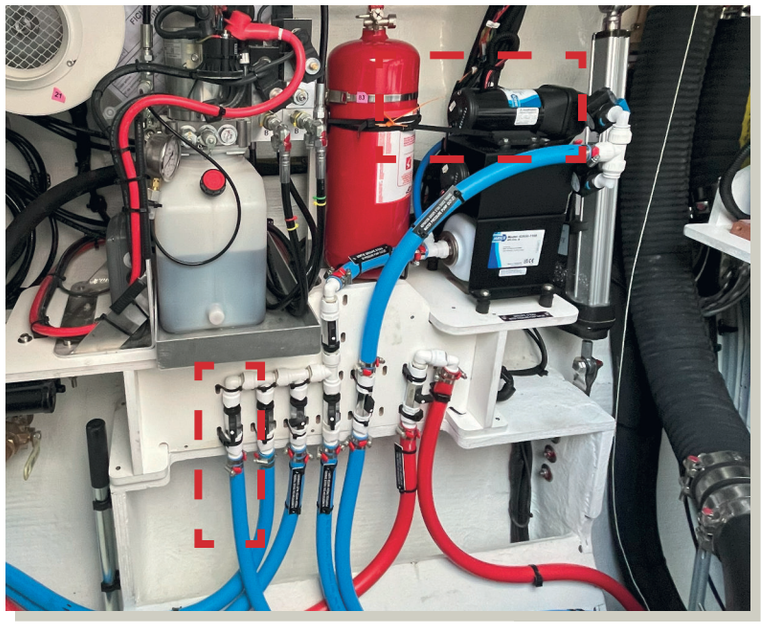
The pump is protected by a fuse located in the technical compartment below the saloon

FUSE 2: 15 Amp

REP : X104 CODE ARTICLE : 000001162416 BOITIER BLUE SEA 6 FUSIBLES AVEC MASSE					
BORNE	CABLE	FIL	COULEUR	CALIBRE	ETIQUETTE
ALIM	W423	W423	ROUGE_10MM2		
FUSE1	W431	W431	ROUGE_1_5MM2	5A	BATTERIES FAN
FUSE2	W457	W457	ROUGE_2_5MM2	15A	DECK WASH PUMP
FUSE3	W465	W465	ROUGE_2_5MM2	15A	FUSION SALOON
FUSE4	W475	W475	ROUGE_2_5MM2	5A	S-LINK NETWORK
FUSE5	W484	W484	ROUGE_2_5MM2	10A	FUSION AMPLIFIER
FUSE6	W492	W492	ROUGE_1_5MM2	2A	INVERTER POWER ALARM

3. Three-way control valve
4. Switch
5. Wash pump
6. Filter
7. Selector valve for sea water/fresh water in-take
8. Switch on DC panel
9. Fuse
10. Hose connection outlet.





2

10

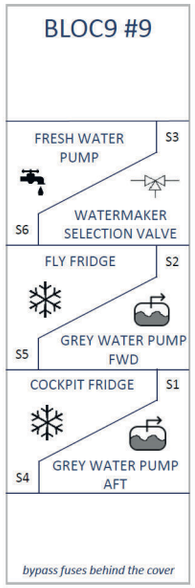
For the aft deck wash in the cockpit, the fresh water is supplied only via the on-board pressurized system (2).

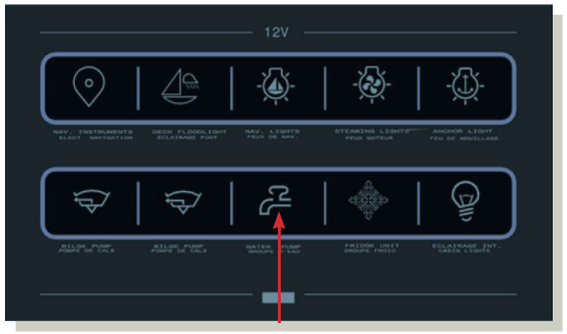
It is activated by the water unit switch (11) located on the 10-function control panel on the front of the starboard companionway.

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the water unit, the power supply block 9 is located in the cupboard starboard companionway (3) and is protected by a fuse.

BLOC 9# 9 - FUSE 2: 20 Amp





8

5.7 Grey water/Black water

See the EC Owner's Manual
Sections *9.2 Black water system*
9.3 Grey water system

5.8 Watermaker

The boat can be equipped with an optional watermaker located in the starboard engine compartment (3).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

The watermaker runs with the generator on.
Open the sea water intake valve (1) and the discharge valve (5).

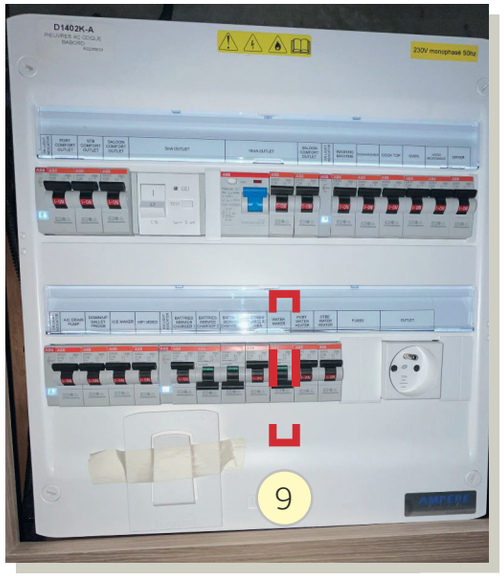
Check that the circuit breaker on the power bus on the electrical panel located int the cupboard of the port forward companionway is switched on(6).

WATER MAKER: 20 Amp

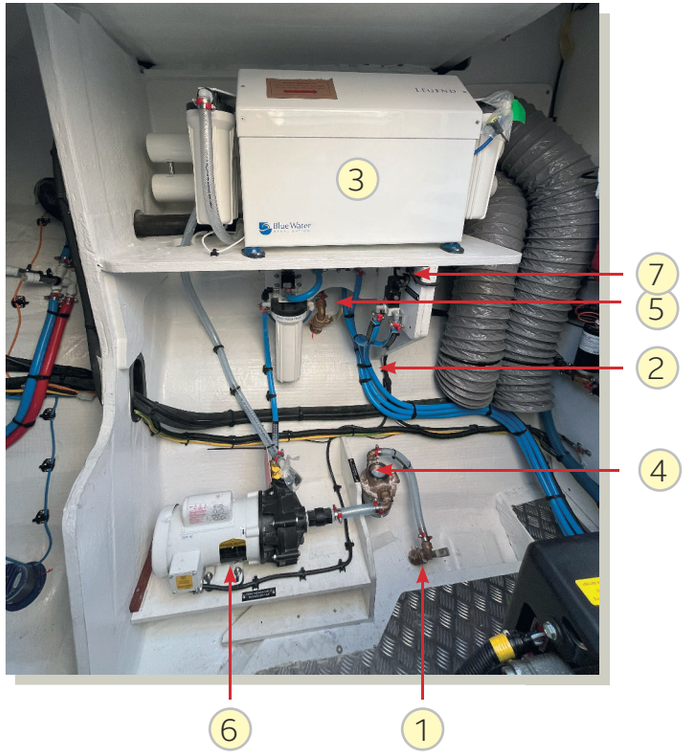
Start the watermaker with the control located in the starboard companionway (8).
The watermaker circuit is equipped with a three-way solenoid valve (7) to supply fresh water to the port or starboard tank. This valve is located under the watermaker and can be controlled from the Scheiber/Navicolor screen (11), only when the watermaker is powered.

The watermaker has an automatic rinse function at the end of the cycle. Make sure that the water unit is turned on when using the watermaker.

NOTICE
The watermaker may only be used in a clear-water environment.



1. Sea water inlet valve
2. Fresh water filling into the starboard tank
3. Fresh watermaker
4. Seawater filter
5. Discharge
6. Sea water intake pump
7. Tank selection solenoid valve
8. Fresh watermaker control
9. Circuit breaker
10. Scheiber/Navicolor screen



6.1 Air conditioning

See the EC Owner's Manual
Sections *9.6 Air conditioning option*

6.2 Washer / Dryer

The boat may optionally be equipped with:

- A washer dryer in the 4-cabin layout located in the side hull galley.
- A washer dryer in the 5-cabin layout located in the starboard utility room.

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

The washing machine is supplied with fresh water via the on-board pressurized water system.

Make sure that the water group switch located on the - front of the starboard companionway, on the 10-function control panel (2) is turned on and that the fresh water tanks are full (3).

The discharge is carried out via the grey water system of the float.

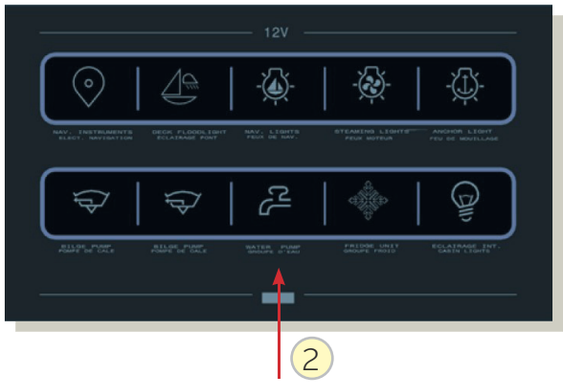
Check that the circuit breaker on the Comfort power bus located in the cupboard of the port forward companionway is switched on(6).

WASHING MACHINE: 20 Amp

Power supply

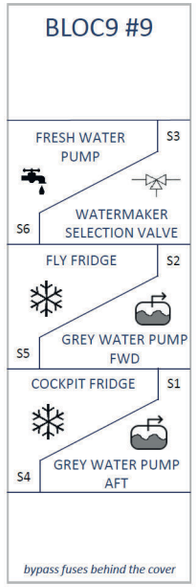
Select the power source (generator or shore power #1 or the inverter) from the Scheiber/Navicolor screen (3).

1



WARNING
The «wash, spin, dry» program of the washing machine may exceed the capacity of the grey water tank: it should therefore only be used in direct discharge.

5



NOTICE
Do not use the washer-dryer while sailing.

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks (5).
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the water unit, the power supply block 9 is located in the cupboard starboard companionway (3) and is protected by a fuse.

BLOC 9# 9 - FUSE 2: 20 Amp

6.3 Dishwasher

The boat can be equipped with an optional dishwasher located in the cupboard next to the sink (1).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

The dishwasher is supplied with fresh water via the pressurized water system on board.

Make sure that the water group switch located on the - front of the starboard companionway (2) is turned on and that the fresh water tanks are full (3).

It shares the same drain as the sink, under the sink.

Check that the circuit breaker on the comfort power bus located in the cupboard of the port forward companionway is switched on (6).

DISHWASHER: 20 Amp

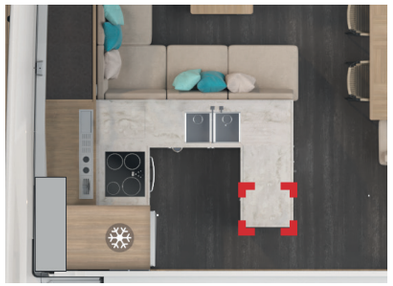
Power supply

Select the power source (generator or shore power #1 or the inverter) from the Scheiber/Navicolor screen (3).

It is possible to empty the grey water from the galley, including the dishwasher, into the grey water tank or directly into the sea via the three-way valve under the sink (6).

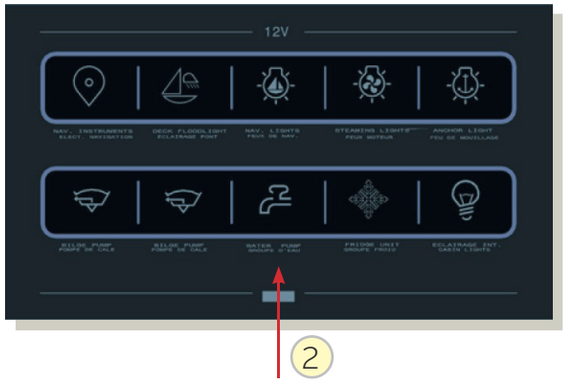
NOTICE
Use the dishwasher with the battery bank inverter. Check that the battery bank is charged.

4-Cabin layout, down galley



5-cabin layout, upper galley

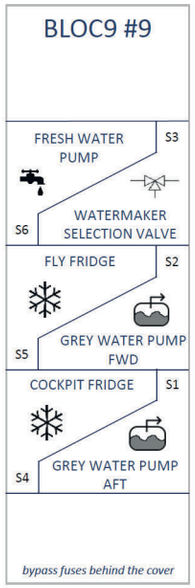
1



2

3

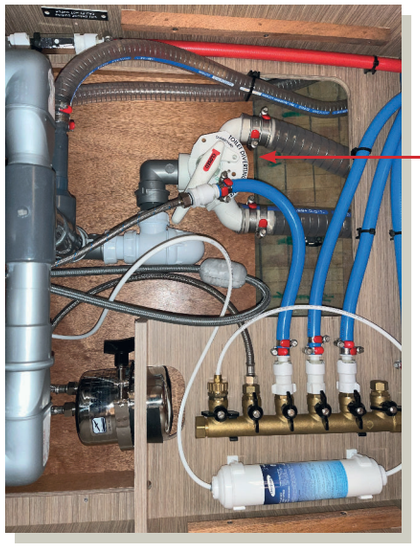
5



All the equipment monitored by the SCHEIBER system is powered via 9-function blocks (5).
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the water unit, the power supply block 9 is located in the cupboard starboard companionway (3) and is protected by a fuse.

BLOC 9# 9 - FUSE 2: 20 Amp



6

6.4 Fridge / Freezer

The boat can be equipped with different refrigerators/freezers either in 24V or in 230V depending on the model (1-2-3-5-6) and/or an optional ice maker (4).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

24V APPLIANCES

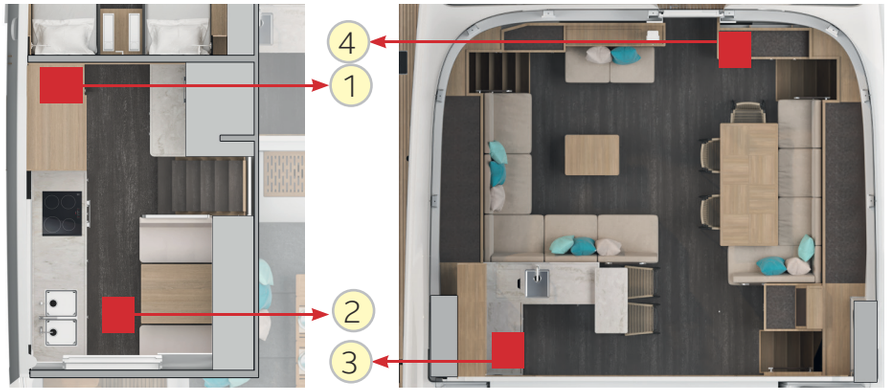
When the 24V general power supply is switched on, the equipment (5) is powered via the switch on the 10-function control panel located on the front of the starboard companionway. Then turn on the devices using their thermostat button.

Defrost and drain these appliances before stopping the on-board 24V circuit.

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected. To bypass this protection, insert the appropriate fuse on the output of the block.

For the DC fridges, the power supply block 9 is located in the cupboard of the port companionway (6) and is protected by a fuse.

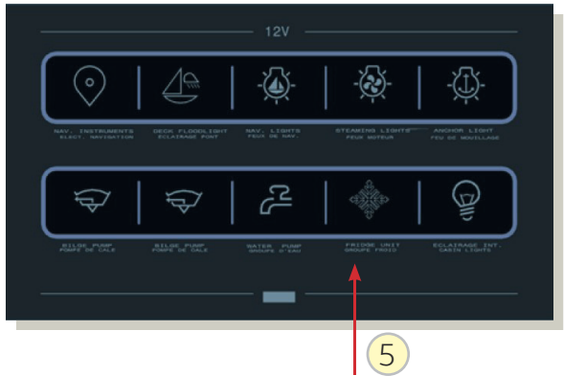
BLOC 9 #2 FUSE 1: 20 Amp



4-cabin layout, down galley

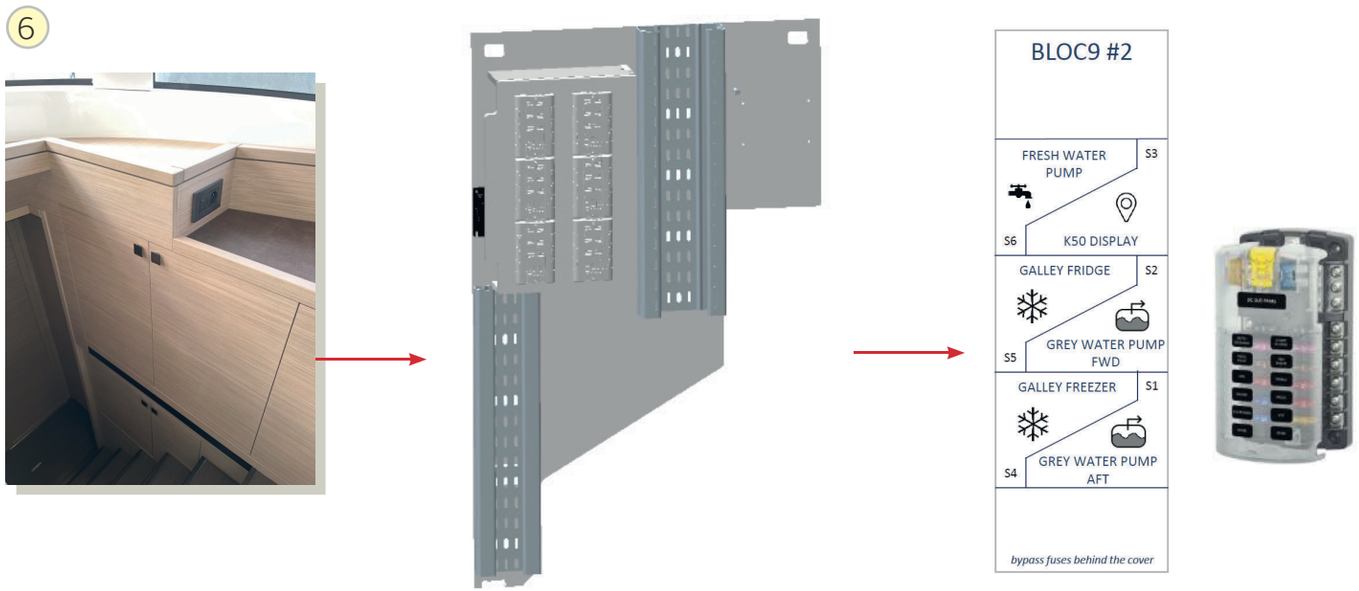
1. Standard 634L 230V fridge/freezer
2. Optional 130L 24V freezer
3. Optional 130L 24V fridge
4. Optional ice maker
5. Standard 289L 230V fridge/freezer
6. Optional 90L 24V freezer or optional 130L 24V fridge

5-cabin layout, upper galley



NOTICE
Use the refrigerators with the battery bank inverter. Check that the battery bank is charged.

Each 24V refrigerator is then protected by a dedicated fuse.



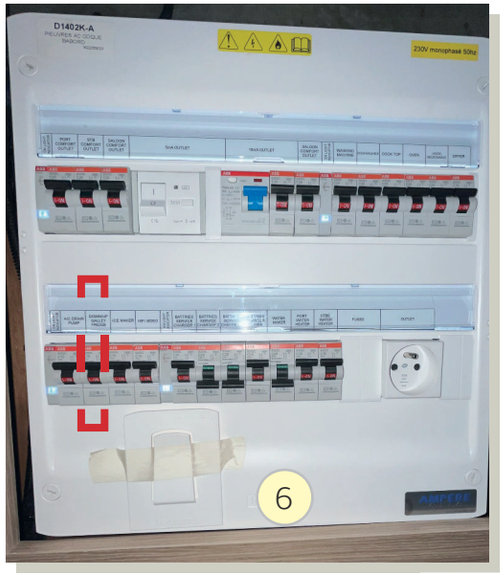
230V APPLIANCES

Check that the circuit breaker on power bus A located in the cupboard of the port companionway is switched on (6).

DOWN/UP GALLEY FRIDGE: 16 Amp
ICE MAKER: 16 Amp

Power supply
The appliances (fridges/freezers) are powered by the Permanent bus supplied by the 5,000W inverter (7) located in the electrical compartment under the nacelle.

Defrost and drain these appliances before stopping the on-board 230V circuit.



7

6.5 Microwave

The boat may optionally be equipped with a 230V microwave (1).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

Check that the circuit breaker on power bus comfort located in the cupboard of the port companionway is switched on (2).

HOOD MICROWAVE: 20Amp

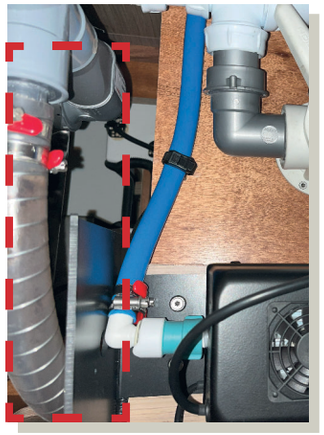
2

6.6 Water purifier

The boat may optionally be equipped with a water purifier (1).
The device is fitted under the sink. The LED (2) indicates the purifier's operating status.

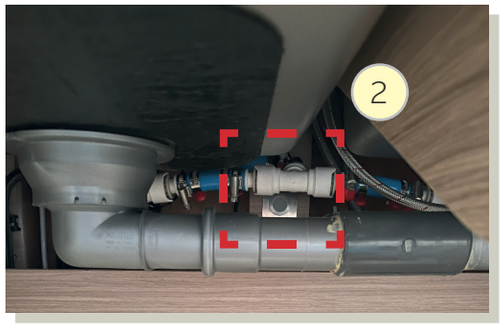
The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

Saloon galley

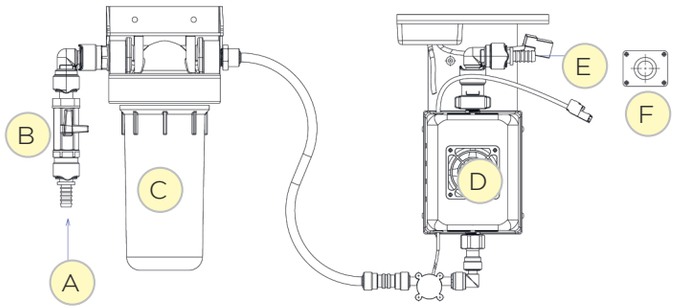


1

Side hull galley



A. Connection to the water supply network
B. Shut-off valve
C. UVOJI activated carbon filter cartridge
D. UV C 12V LED water purifier
E. To mixer tap
F. Indicator light



Schematic diagram

6.7 Wine cellar

The boat may optionally be equipped with a 230V wine cellar (1).

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

Check that the circuit breaker on Permanent bus located in the cupboard of the port companionway is switched on (2).

WINE CELLAR: 16 Amp

2

4-Cabin layout, 4 toilets, down galley

5-cabin layout, 5 toilets, upper galley

6.8 Hood

The boat may optionally be equipped with a 230V extractor hood in the 4-cabin layout, down galley version.

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

Check that the circuit breaker on comfort bus located in the cupboard of the port companionway is switched on (2).

HOOD MICROWAVE: 20 Amp

2

6.9 Oven / induction hob

The boat is equipped with a 230V oven and induction hob.

The equipment manufacturer's manuals give you detailed explanations on the operating procedure and all the steps to ensure proper function.

Check that the circuit breaker on comfort bus located in the cupboard of the port companionway is switched on (2).

COOK TOP: 32 Amp
OVEN: 20 Amp

2

6.10 Electric blinds

The boat may optionally be equipped with electric blinds in the saloon to replace the standard curtains.

The blinds are divided in 6 groups as follows:

1 aft bay window
21 port blinds *
22 forward blinds **
23 starboard blinds ***
24 door blind ****

Control
The blinds are operated by 2 manual remote controls (1)(2) usually stored in one of the chart table drawers.

6-ON-BOARD COMFORT

7-TV / ELECTRONICS

7.1 TV

The boat may optionally be equipped with:

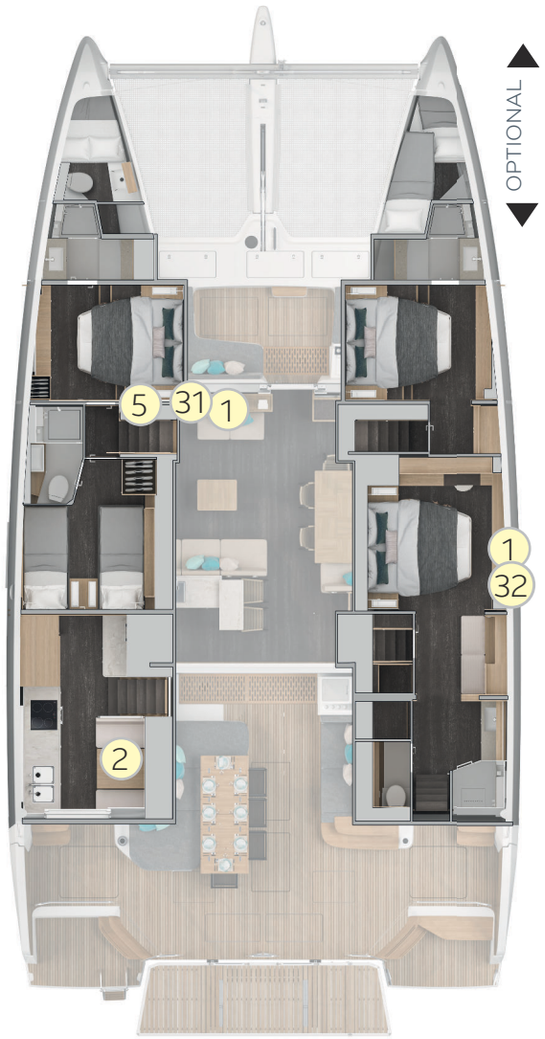
- Retractable motorised mount brackets (31 for the saloon and 32 for the owner's cabin) for 32" Tv sets (1);
- Fixed mount bracket for a 32" TV set (2) in the down galley (4-cabin layout only).

The equipment manufacturer's manual gives you detailed explanations on the operating procedure for proper function.

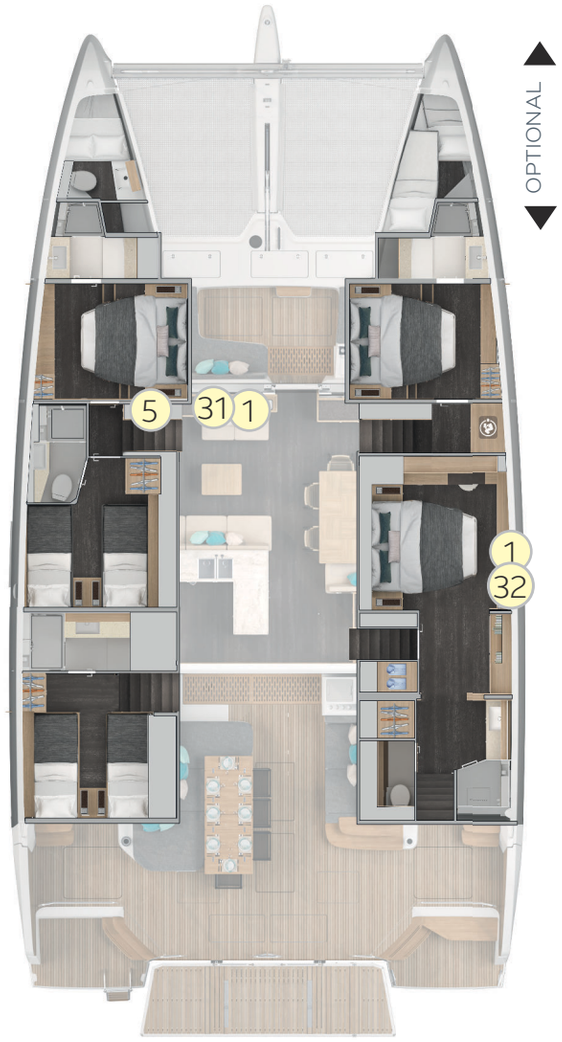
When the 230V circuit is switched on, the TV lift supports are operational.

The TV lift support can be operated using the switch (4) or the remote control (5).
The TV network is protected by a circuit breaker (6) In the port forward companionway

Q-24 PREINSTAL TV US 20A (option US)
Q-21 HIFI VIDEO 16A

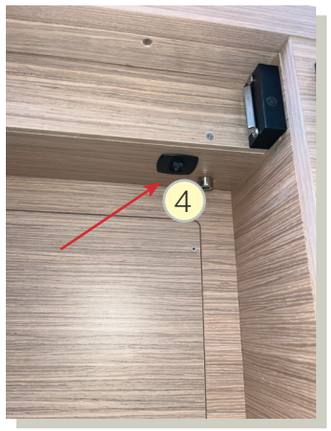


4-Cabin layout, 4 toilets, down galley

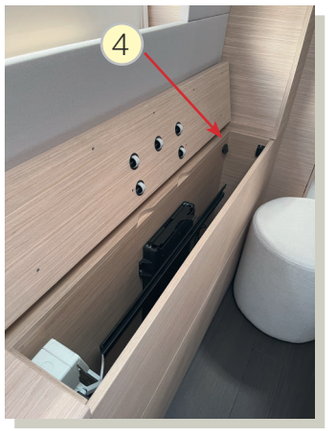


5-cabin layout, 5 toilets, upper galley

31 Port saloon



32 Owner's cabin



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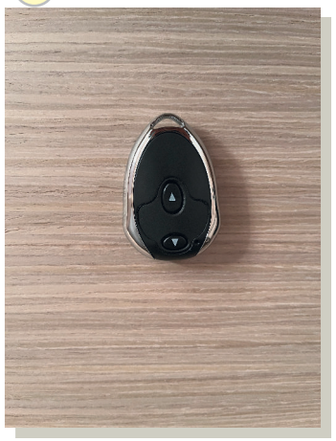


6

7.2 Electronics

Please also refer to section ***8.8 General principle: Electronics*** in the Owner's Manual.

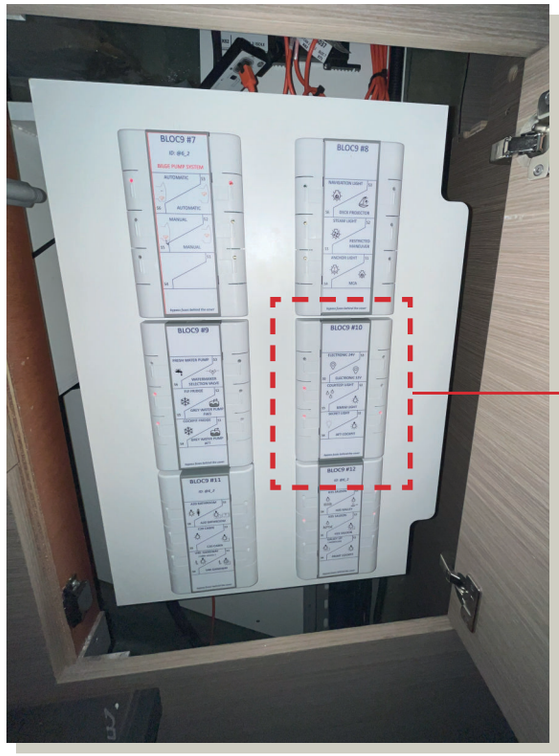
The boat is equipped with an optional electronic package and various navigation aids.
The various devices are listed below.

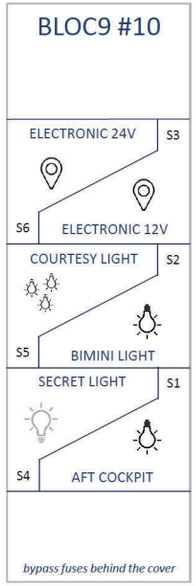
When the 24V general power supply is switched on, the electronics is powered via the switch on the 10-function control panel
located on the front of the starboard companionway (1).

All the equipment monitored by the SCHEIBER system is powered via 9-function blocks.
Each 9-function block is protected by a nearby fuse.
Each block output, supplying a piece of equipment, is electronically protected.
To bypass this protection, insert the appropriate fuse on the output of the block.

For electronics, the power supply block 9 is located in the cupboard of the starboard companionway (2) and is protected by a fuse.

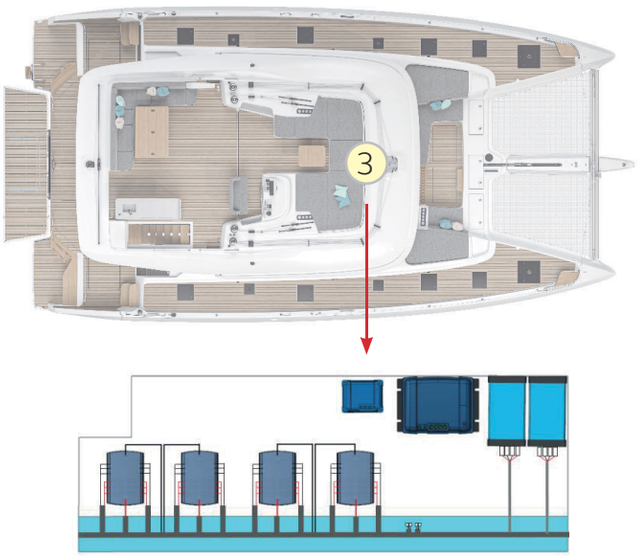
BLOC X10 - FUSE 3: 20 Amp





1

The various fuses for the electronic equipment are located in the ceiling of the saloon in front of the mast pillar (3).



ACCESS THROUGH THE SALOON CEILING

REP : X21 CODE ARTICLE : 000001162416 BOITIER BLUE SEA 6 FUSIBLES AVEC MASSE					
BORNE	CABLE	FIL	COULEUR	CALIBRE	ETIQUETTE
ALIM	W 032	W 032	ROUGE_4MM2		
FUSE1	W 023	W 023	ROUGE_2_5MM2	5A	VHF
FUSE2					
FUSE3	W 025	W 025	ROUGE_2_5MM2	5A	AIS
FUSE4					
FUSE5	W 027	W 027	ROUGE_2_5MM2	2A	WIRELESS VHF
FUSE6					

REP : X03 CODE ARTICLE : 000001162416 BOITIER BLUE SEA 6 FUSIBLES AVEC MASSE					
BORNE	CABLE	FIL	COULEUR	CALIBRE	ETIQUETTE
ALIM	W 003	W 003	ROUGE_6MM2		
FUSE1	W 007	W 007	ROUGE_4MM2	15A	HELM DISPLAY
FUSE2	W 122	W 122	ROUGE_2_5MM2	2A	HUB ETHERNET V60
FUSE3	W 009	W 009	ROUGE_2_5MM2	5A	RADAR
FUSE4	W 159	W 159	ROUGE_2_5MM2	5A	SOUNDER
FUSE5	W 011	W 011	ROUGE_2_5MM2	2A	ETHERNET HUB
FUSE6					

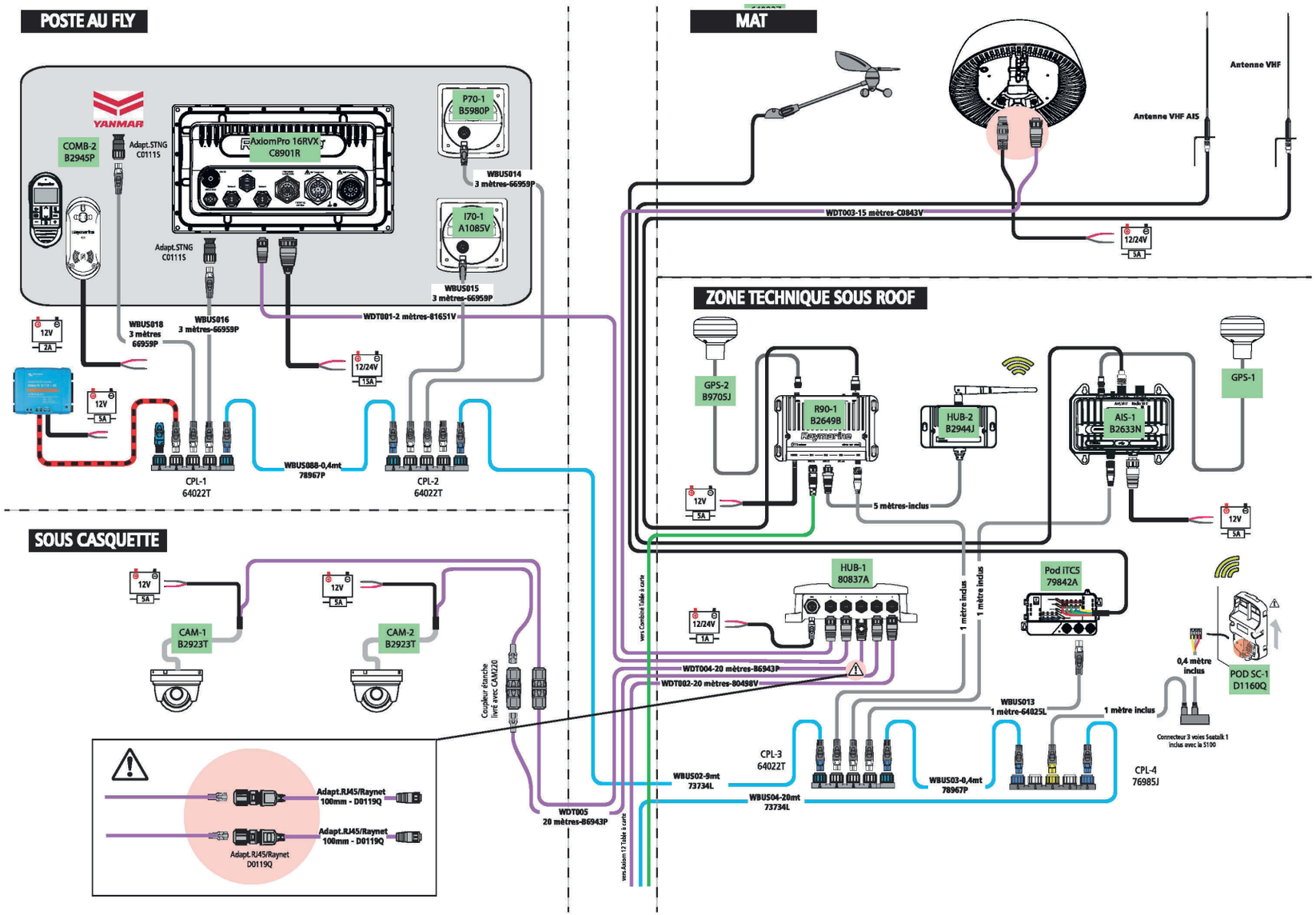
REP : X02 CODE ARTICLE : 000001162416 BOITIER BLUE SEA 6 FUSIBLES AVEC MASSE					
BORNE	CABLE	FIL	COULEUR	CALIBRE	ETIQUETTE
ALIM	W 001	W 001	ROUGE_6MM2		
FUSE1	W 013	W 013	ROUGE_2_5MM2	5A	BACKBONE FLY
FUSE2	W 019	W 019	ROUGE_2_5MM2	5A	BACKBONE HULL
FUSE3	W 015	W 015	ROUGE_1_5MM2	5A	PORT CAMERA
FUSE4	W 112	W 112	ROUGE_2_5MM2	7.5A	CHART TABLE DISPLAY
FUSE5	W 017	W 017	ROUGE_1_5MM2	5A	STBD CAMERA
FUSE6				-	-

REP : X01 CODE ARTICLE : 000000913709 BOITIER BLUE SEA 12 FUSIBLES AVEC MASSE					
BORNE	CABLE	FIL	COULEUR	CALIBRE	ETIQUETTE
ALIM	W 227	W 227	ROUGE_10MM2		
FUSE 1	W 021	W 021	ROUGE_4MM2	20A	ELECTRONIC 24V
FUSE 2	W 116	W 116	ROUGE_1_5MM2	1A	AMPLI TV
FUSE 3	W 126	W 126	ROUGE_1_5MM2	3A	USB CHARGER
FUSE 4	W 118	W 118	ROUGE_2_5MM2	15A	ELECTRIC CURTAIN H35
FUSE 5	W 257	W 257	ROUGE_1_5MM2	5A	WATER PURIFIER
FUSE 6	W 120	W 120	ROUGE_2_5MM2	10A	AUTORADIO FLY
FUSE 7					
FUSE 8	W 157	W 157	ROUGE_2_5MM2	2A	SCHIEBER NETWORK
FUSE 9					
FUSE 10					
FUSE 11					
FUSE 12					

The only exception being the fuse for the autopilot computer, which is located on the port engine compartment bus bar.

X06																							
JEU DE BARRES DC LOCAL MOTEUR TRIBORD / STBD ENGINE AREA DC POWER BAR																							
		WDC017				WDC176						WDC091		W216		WDC168		WDC151					
		BATTERIE DEMARRAGE MOTEUR	ENGINE STARTING BATTERY			ALIMENTATION PUISSANCE V60	V60 POWER					REPARTITEUR ALIMENTATION X73	X73 POWER DISTRIBUTOR	CALCULATEUR PILOTE	PILOT ECU	PASSERELLE HYDRAULIQUE	GANGWAY	CABESTAN TRIBORD	STBD CAPSTAN				
		WDC167				WDC177						WDC090		W215		WDC158		WDC019					
		/				/						FUSE : 50A		FUSE : 40A		FUSE : 200A		FUSE : 125A					
		ALTERNATEUR MOTEUR	ENGINE ALERNATOR			ALIMENTATION PUISSANCE V60	V60 POWER					REPARTITEUR ALIMENTATION X73	X73 POWER DISTRIBUTOR	CALCULATEUR PILOTE	PILOT ECU	PASSERELLE HYDRAULIQUE	GANGWAY	CABESTAN TRIBORD	STBD CAPSTAN				

DIAGRAM


POSTE AU FLY
YANMAR
COMB-2
B2945P
Adapt.STNG
C01115
AxiomPro 16RVX
C8901R
P70-1
B5980P
WBUS014
3 mètres-66959P
I70-1
A1085V
WBUS015
3 mètres-66959P
Adapt.STNG
C01115
WDT001-2 mètres-81651V
WBUS018
3 mètres
66959P
WBUS016
3 mètres-66959P
12V
2A
12V
5A
12/24V
15A
WBUS088-0,4mt
78967P
CPL-1
64022T
CPL-2
64022T
MAT
Antenne VHF
Antenne VHF AIS
WDT003-15 mètres-C0843V
12/24V
5A
ZONE TECHNIQUE SOUS ROOF
GPS-2
B9705J
R90-1
B2649B
HUB-2
B2944J
AIS-1
B2633N
GPS-1
12V
5A
5 mètres-inclus
12V
5A
SOUS CASQUETTE
12V
5A
CAM-1
B2923T
12V
5A
CAM-2
B2923T
Coupleur étanche
livré avec CAM020
vers Combiné Table à carte
HUB-1
80837A
12/24V
1A
1 mètre inclus
1 mètre inclus
Pod ITC5
79842A
WDT004-20 mètres-86943P
WDT002-20 mètres-80498V
0,4 mètre
inclus
POD SC-1
D1160Q
WBUS013
1 mètre-64025L
1 mètre inclus
Connecteur 3 voies Seatalk 1
inclus avec la S100
CPL-3
64022T
WBUS02-9mt
73734L
WBUS03-0,4mt
78967P
CPL-4
76985J
WBUS04-20mt
73734L
WDT005
20 mètres-86943P
vers Axiom 12 Table à carte
Adapt.RJ45/Raynet
100mm - D0119Q
Adapt.RJ45/Raynet
100mm - D0119Q
Adapt.RJ45/Raynet
D0119Q

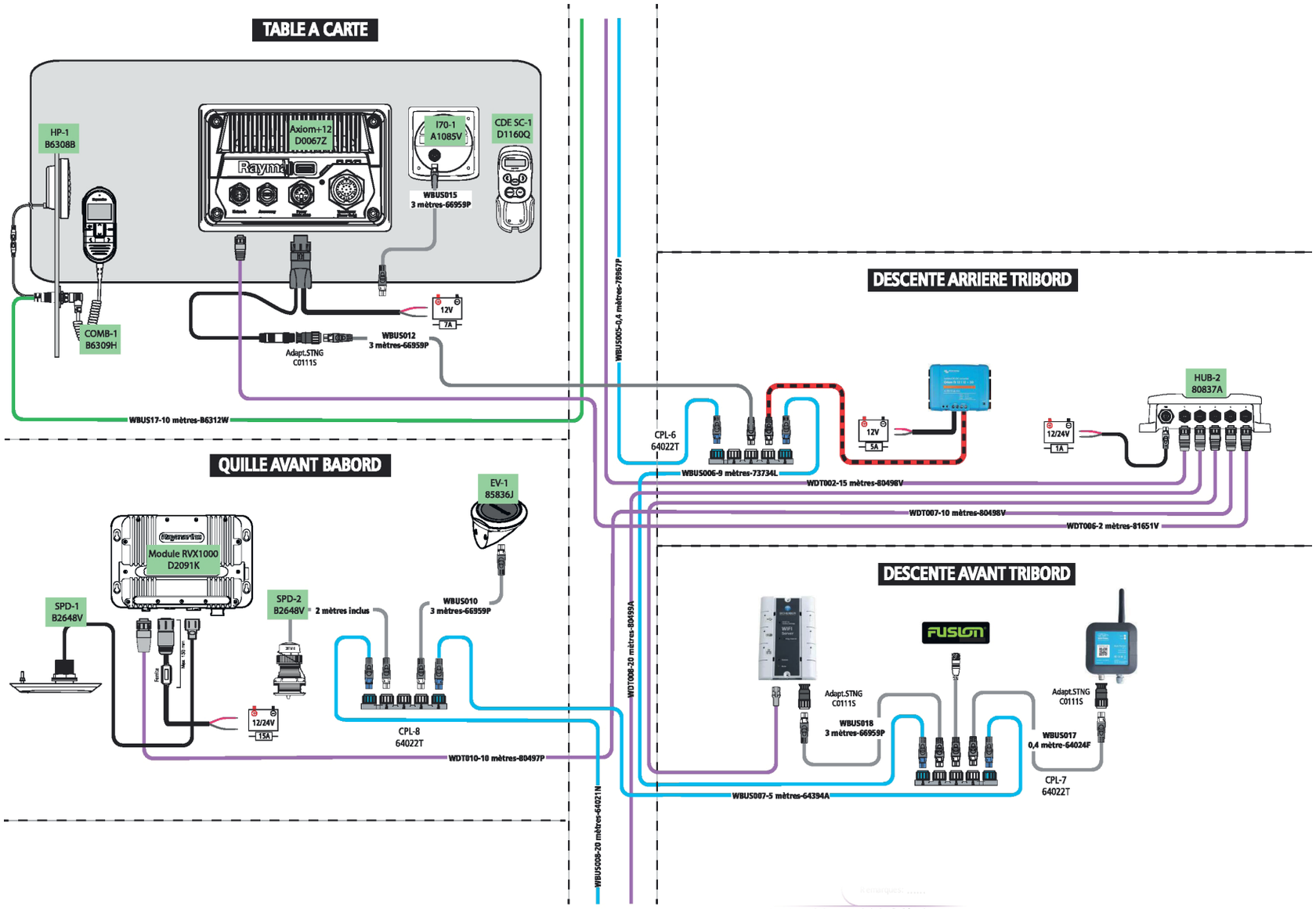
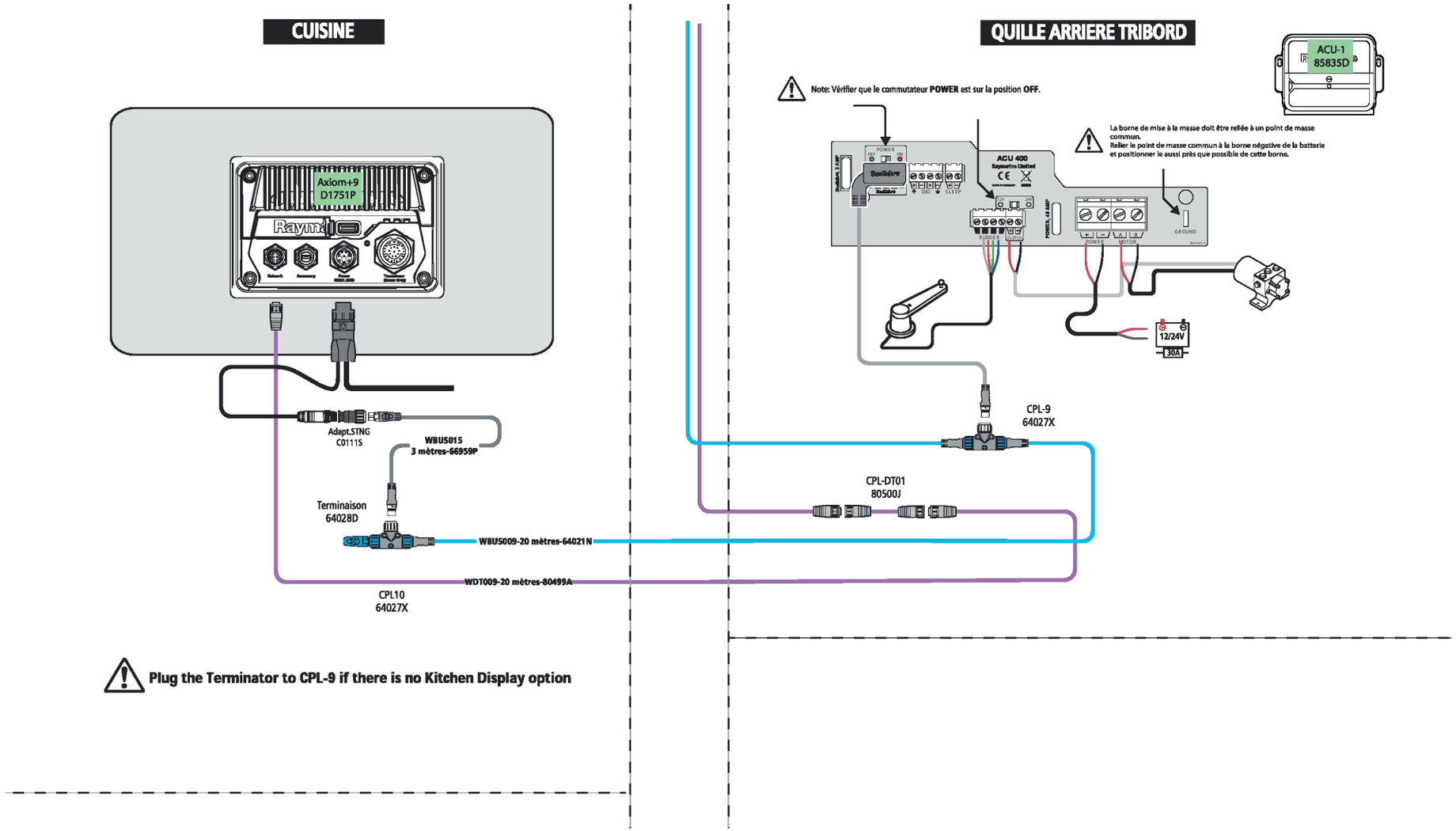
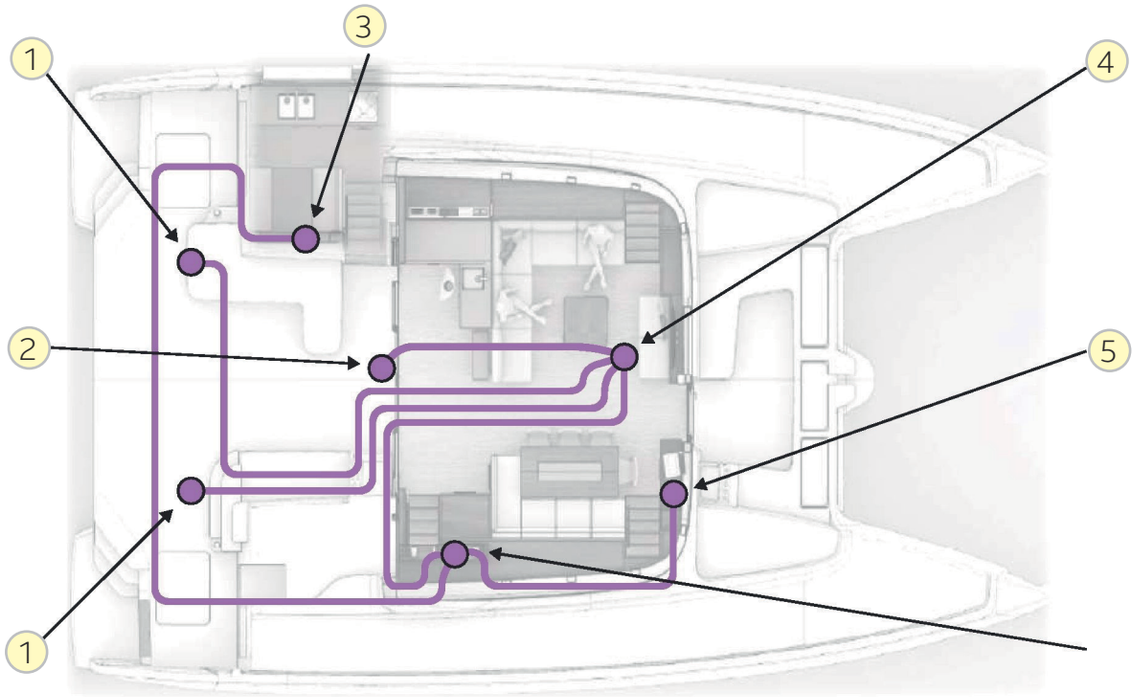


TABLE A CARTE
HP-1
B6308B
Axiom+12
D0067Z
I70-1
A1085V
CDE SC-1
D1160Q
WBUS015
3 mètres-66959P
COMB-1
B6309H
12V
7A
Adapt.STNG
C0111S
WBUS012
3 mètres-66959P
WBUS17-10 mètres-86312W
WBUS005-0,4 mètres-78967P
DESCENTE ARRIERE TRIBORD
CPL-6
64022T
WBUS006-9 mètres-73734L
12V
5A
WDT002-15 mètres-80498V
12/24V
1A
HUB-2
80837A
WDT007-10 mètres-80498V
WDT006-2 mètres-81651V
QUILLE AVANT BABORD
EV-1
85836J
Module RVX1000
D2091K
SPD-1
B2648V
SPD-2
B2648V
2 mètres inclus
WBUS010
3 mètres-66959P
12/24V
15A
CPL-8
64022T
WDT010-10 mètres-80497P
WDT008-20 mètres-80499A
WBUS009-20 mètres-64021N
DESCENTE AVANT TRIBORD
FUSION
Adapt.STNG
C0111S
WBUS018
3 mètres-66959P
Adapt.STNG
C0111S
WBUS017
0,4 mètre-64024F
CPL-7
64022T
WBUS007-5 mètres-64394A


CUISINE
QUILLE ARRIERE TRIBORD
Axiom+9
D1751P
Raymarine
Network
Accessory
Power
Transducer
Adapt.STNG
C0111S
WBUS015
3 mètres-66959P
Terminaison
64028D
WBUS009-20 mètres-64021N
WDT009-20 mètres-80499A
CPL10
64027X
Plug the Terminator to CPL-9 if there is no Kitchen Display option
Note: Vérifier que le commutateur POWER est sur la position OFF.
ACU-1
85835D
ACU 400
Raymarine Limited
Seatalk
POWER
OFF
ON
DIO
SLEEP
RUDDER
CLUTCH
POWER
MOTOR
GROUND
La borne de mise à la masse doit être reliée à un point de masse commun.
Relier le point de masse commun à la borne négative de la batterie et positionner le aussi près que possible de cette borne.
12/24V
30A
CPL-9
64027X
CPL-DT01
80500J

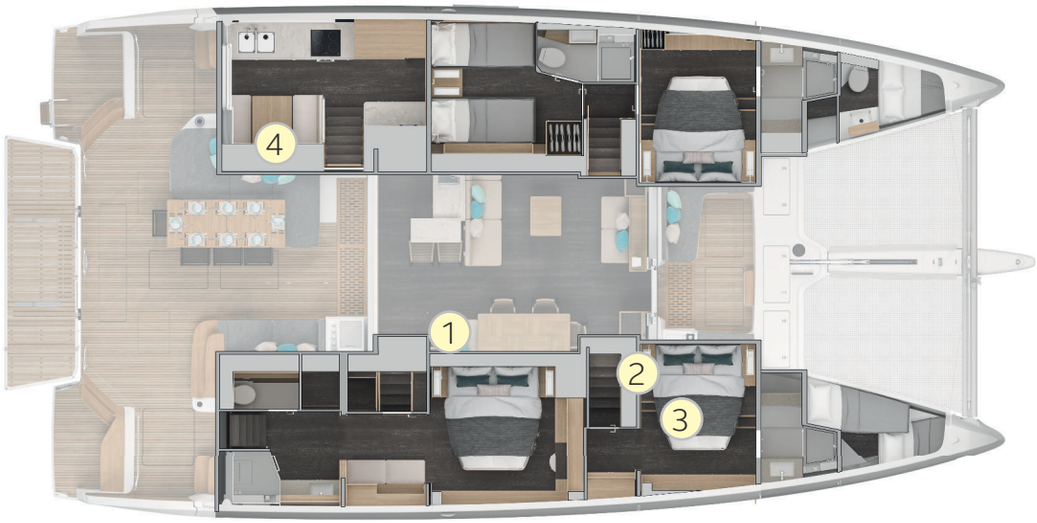
RAYNET NETWORK DIAGRAM

1. CAM 220
2. AXIOM PRO16
3. AXIOM + 9
4. RAYNET HUB
5. SCHEIBER WI-FI SERVER
6. DECK/HULL CONNECTION CABLE
7. AXIOM + 12
8. RAYNET HUB



6

MISCELLANEOUS ELECTRONIC DIAGRAM 1



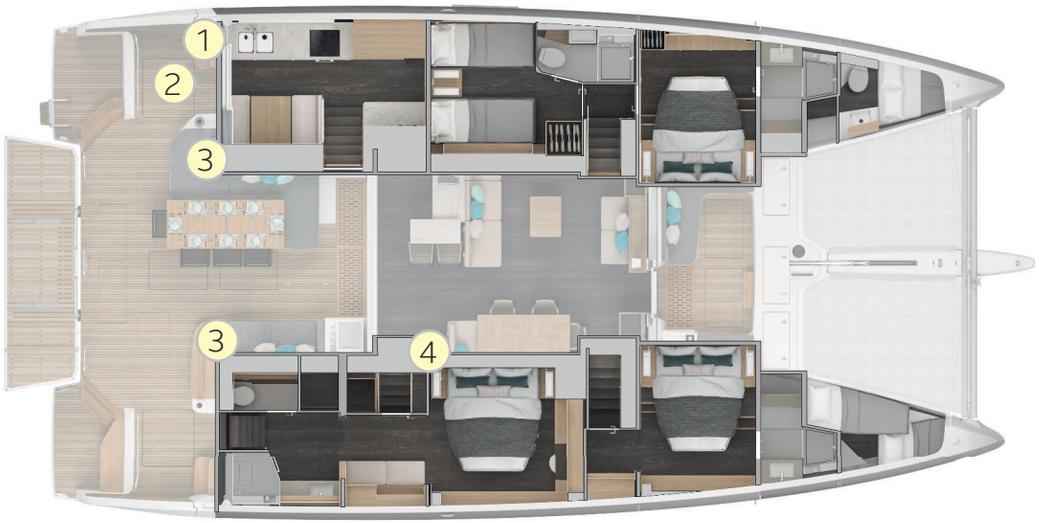
1. AXIOM 12 MULTIFUNCTION SCREEN
   Smartcontroller autopilot remote control

2. VHF RAY 90 module
   2 x GPS, VHF and AIS antennas Wireless VHF
   iTC5 Pod
   Raynet network hub

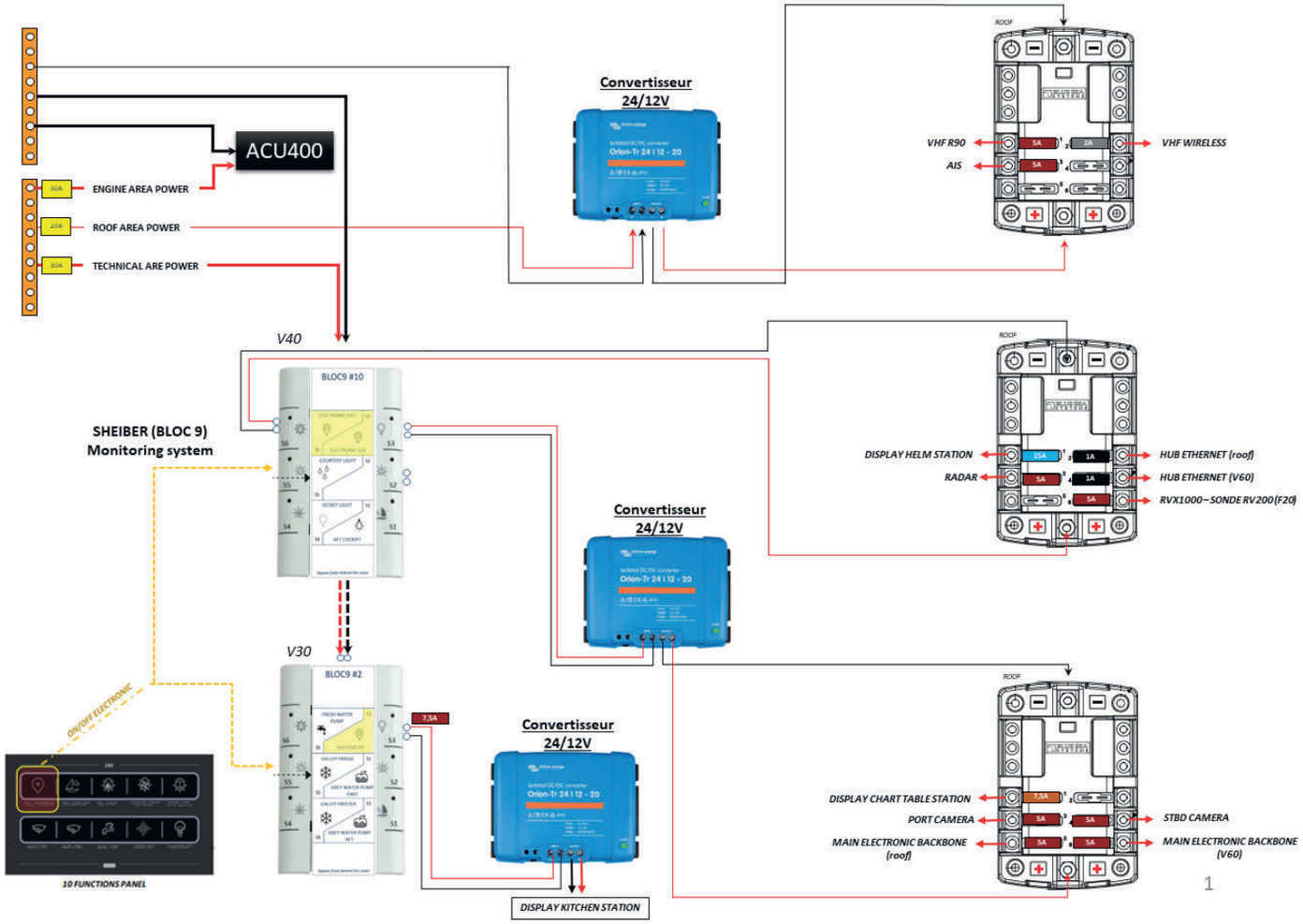
3. DST810 triducer sensor EV1 compass / calculator RV200 bronze probe

4. Optional
   AXIOM 9 Multifunction screen RAY 90
   VHF handset and speaker Smartcontroller autopilot remote control

MISCELLANEOUS ELECTRONIC DIAGRAM 1



1. ACU400 box
2. Tiller angle sensor
3. 2 x CAM 220 reversing cameras Wireless
4. VHF handset
   AxiomProS 16 Multifunction screen p70s
   autopilot display



SCHEMATIC DIAGRAM OF ELECTRONICS DISTRIBUTION

7.3 Yacht Management System

The boat may optionally be equipped with a Yacht Management System.

The Yacht Management System is an interface based on multiplexing, accessible via the navigation screen or a tablet connected to the boat's internal Wi-Fi. These devices can be used to control certain functions relating to fluids or electrical systems. It is therefore possible to:

- Control the lighting in each area of the boat;
- Switch the navigation lights on and off;
- Manage the AC electrical sources;
- Manage the bilge pumps;
- View information relating to the various battery banks;
- View the freshwater tank levels and select the fill tank when the watermaker is running;
- View the levels in the grey water tanks and trigger their discharge into the sea;
- View fuel tank levels.

The Yacht Management System is not an application but an interface that can be accessed via an internet address, only from the boat's Wi-Fi and navigation screens.

Each interface is protected by a password: It is not possible to take control of the Yacht Management System on a neighbouring boat.

Any intervention (software or hardware) on the installation or settings of any electronic equipment or accessory connected to the Yacht Management System or any NMEA 2000 electronic accessory not validated by Construction Navale Bordeaux may cause the Yacht Management System to fail.

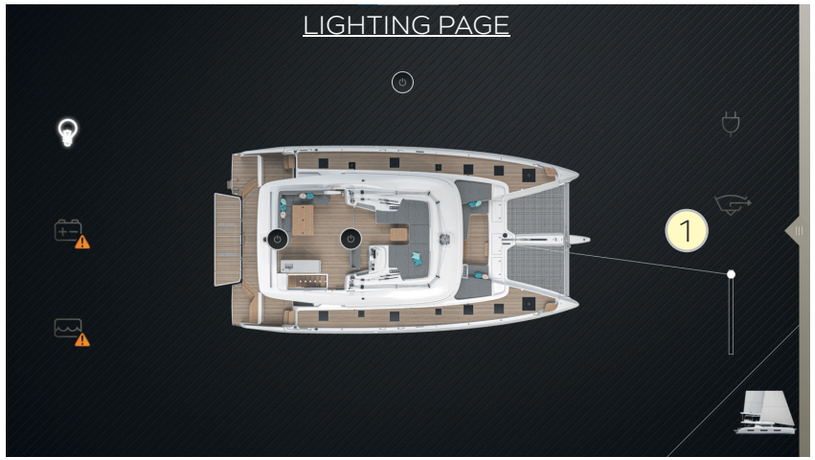
As the Yacht Management System can remotely control certain functions on the boat, access to the Yacht Management System by a third party must be under the authority and responsibility of the skipper.

Attention! It is of utmost importance to read this manual carefully in order to understand how the Yacht Management System operates.

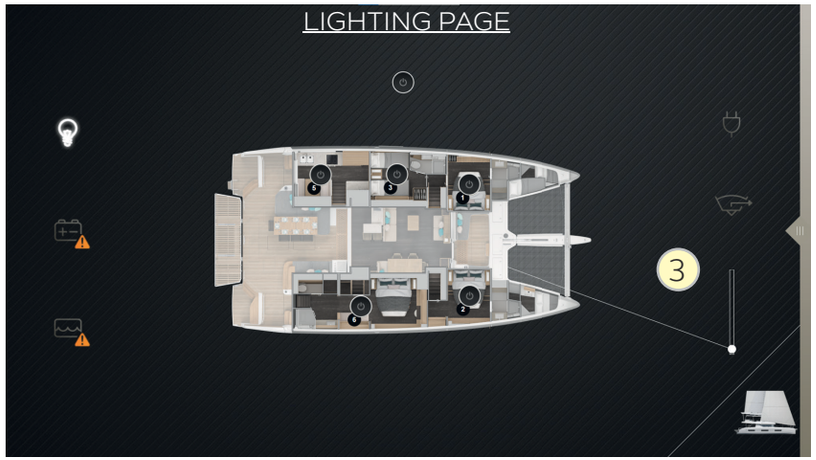
Construction Navale Bordeaux cannot be held responsible for any damage or loss of any kind resulting from failure to comply with the present instructions. In the event of any neglect on the part of the user (in particular use that does not comply with the present instructions, inadequate maintenance or servicing of the system), Construction Navale Bordeaux accepts no liability whatsoever and shall under no circumstances be held responsible for the compliance of the system.

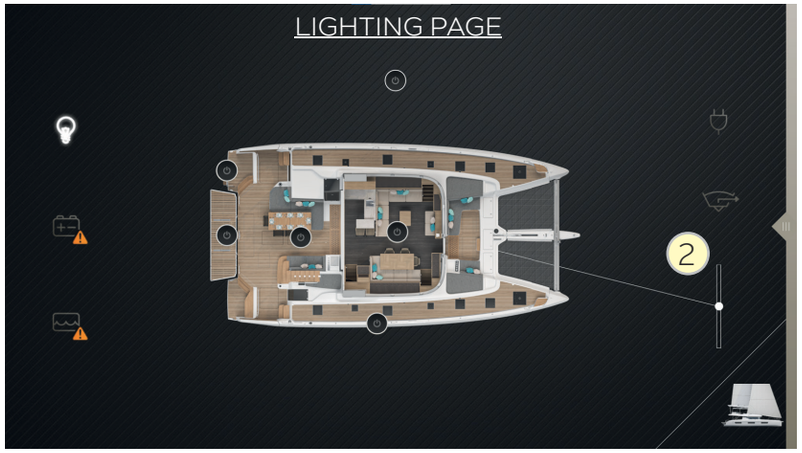
HOME PAGE

1. “Lighting” Page
2. “Batteries” Page
3. “Tanks” Page
4. “AC power source selection” Page
5. “Bilge pumps” Page
6. “Navigation light switches” Page

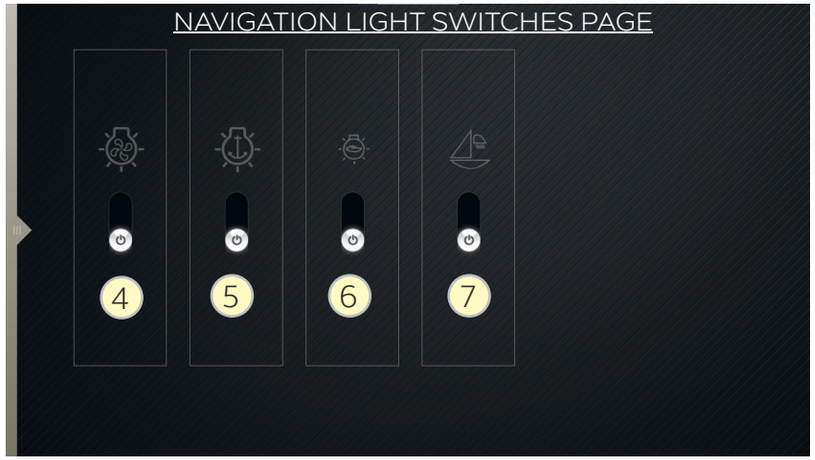


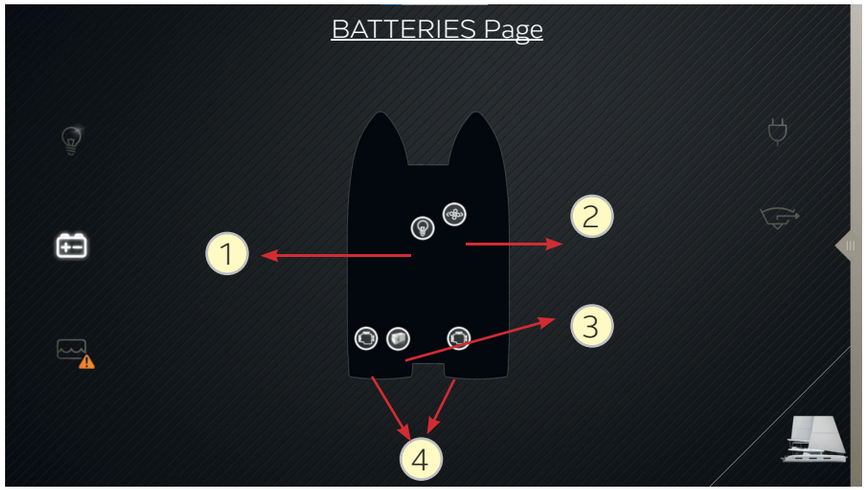
1. Flybridge area
2. Deck area
3. Cabin area



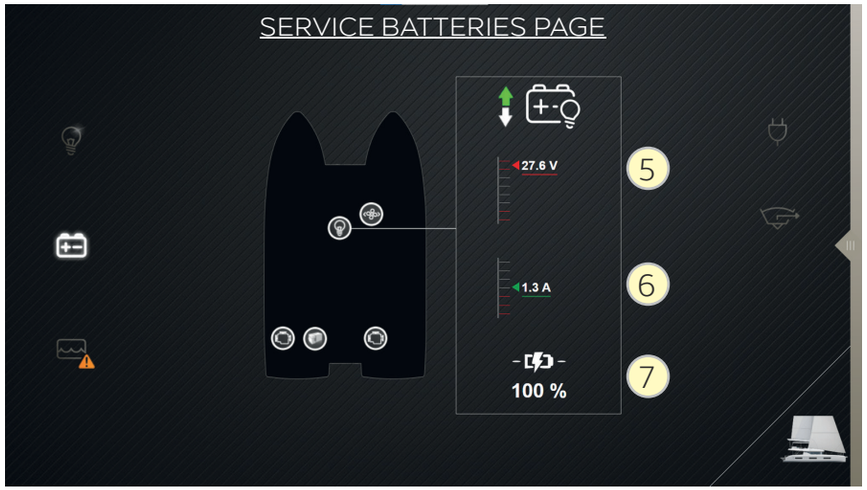


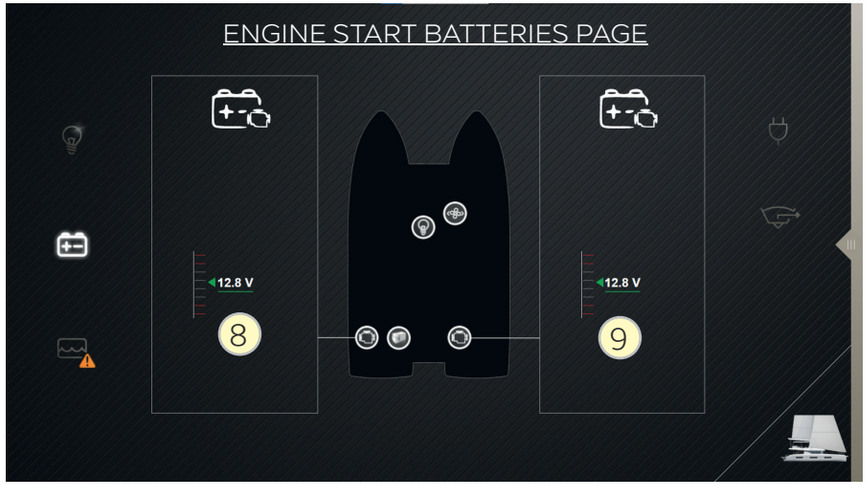
4. Steaming light
5. Mooring light
6. Navigation light
7. Deck spotlight



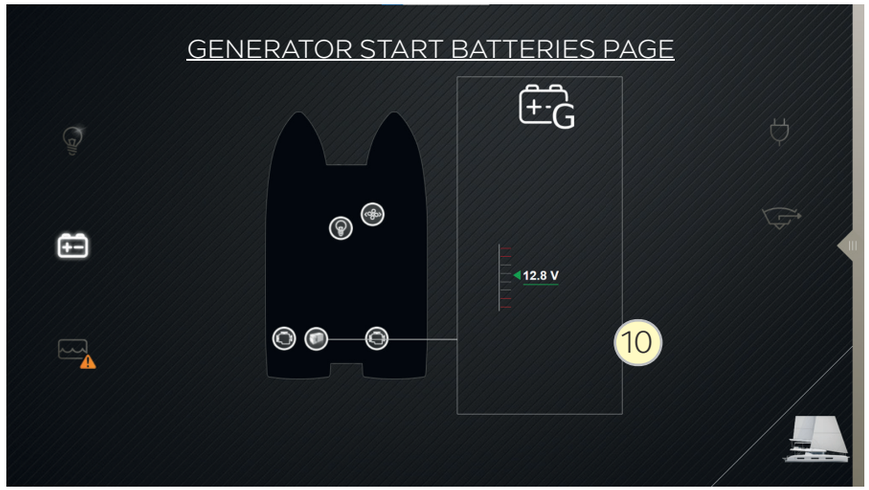


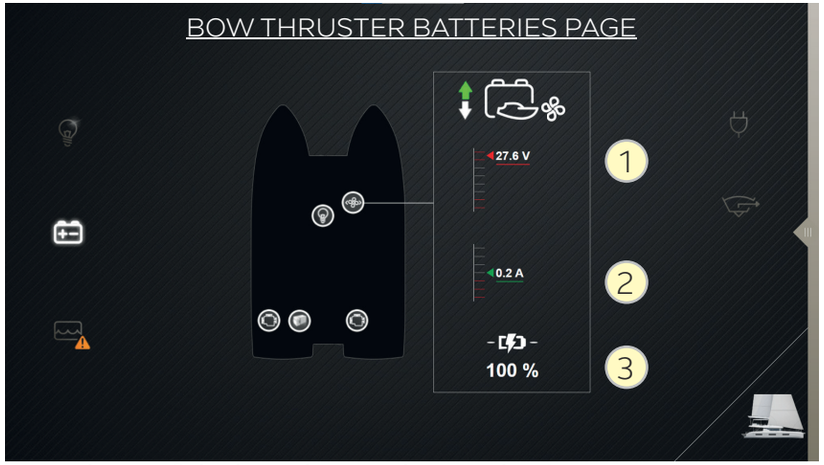
1. Service batteries
2. Bow thruster batteries (optional)
3. Generator start batteries (optional)
4. Engine start batteries
5. Voltage of the service battery bank
6. Service battery bank current (Green: charging / Red: discharging)
7. Remaining capacity of service battery bank





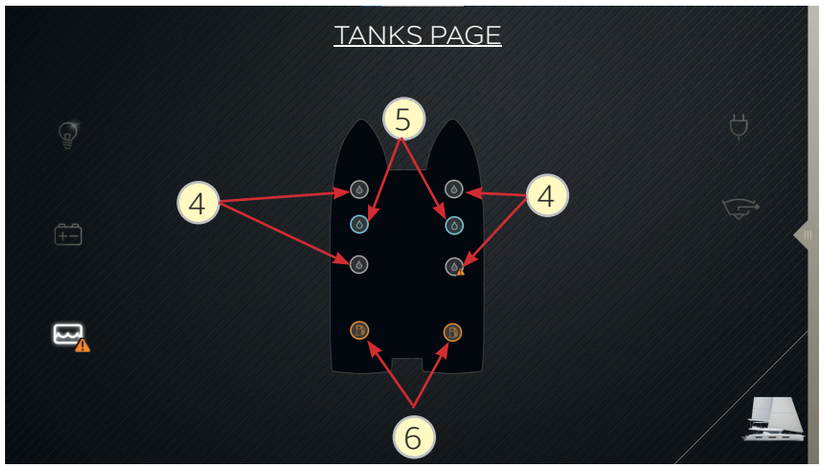
8. Port engine start battery voltage
9. Starboard engine start battery voltage
10. Generator start battery voltage

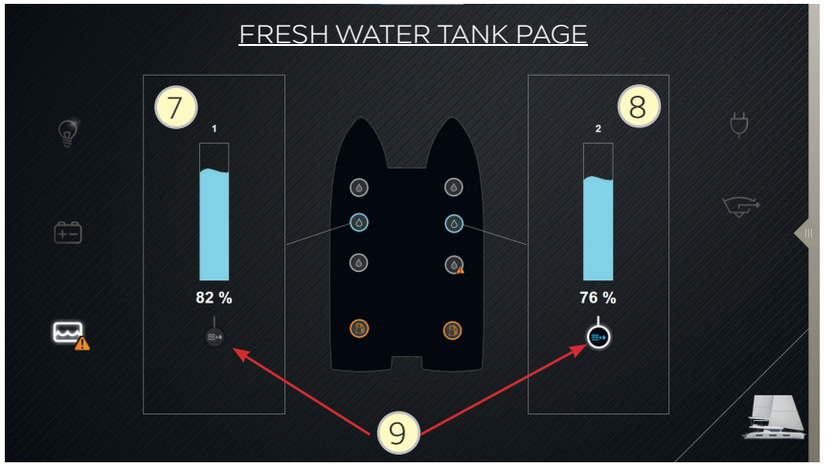




1. Voltage of the bow thruster battery bank
2. Bow thruster battery bank current (Green: charging / Red: discharging)
3. Remaining capacity of the bow thruster battery bank

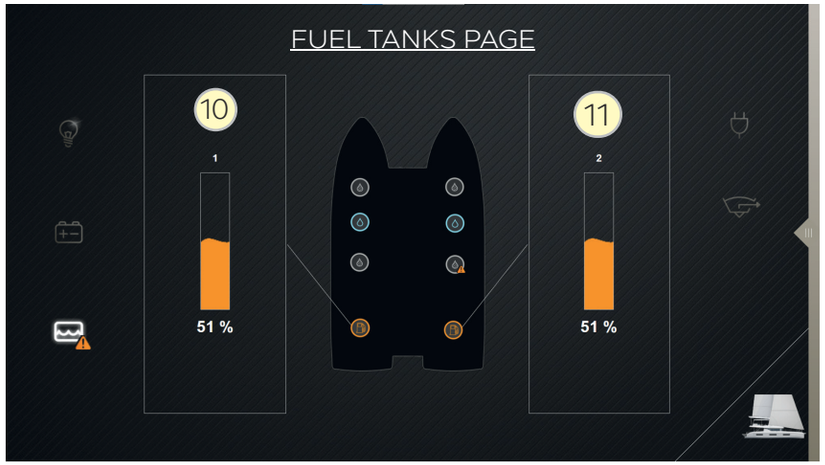
4. Grey water tank (optional)
5. Fresh water tanks
6. Fuel tanks



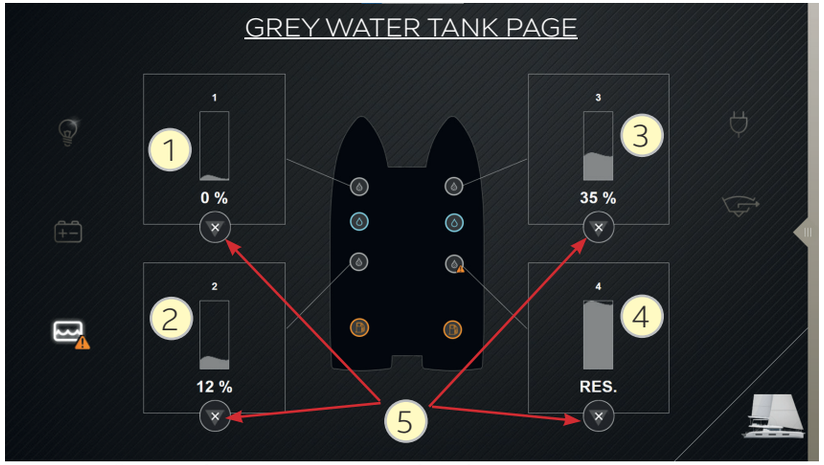


7. Port fresh water tank level
8. Starboard fresh water tank level
9. Tank selection for filling with the watermaker option

10. Starboard fresh water tank level
11. Port fuel tank level

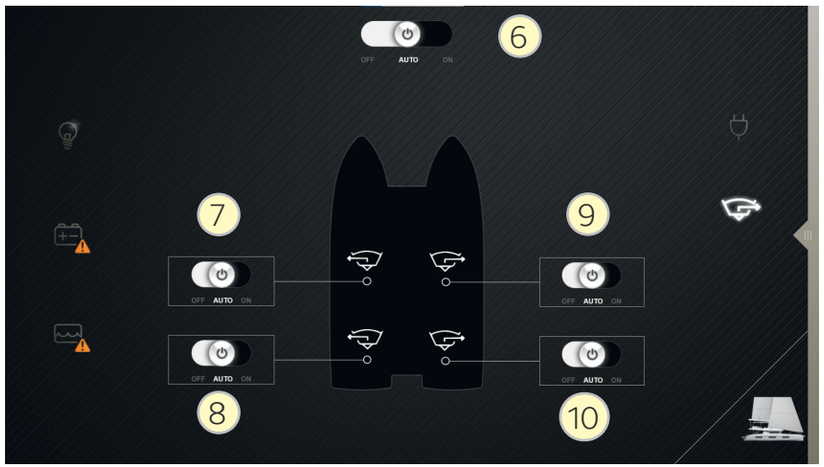


GREY WATER TANK PAGE



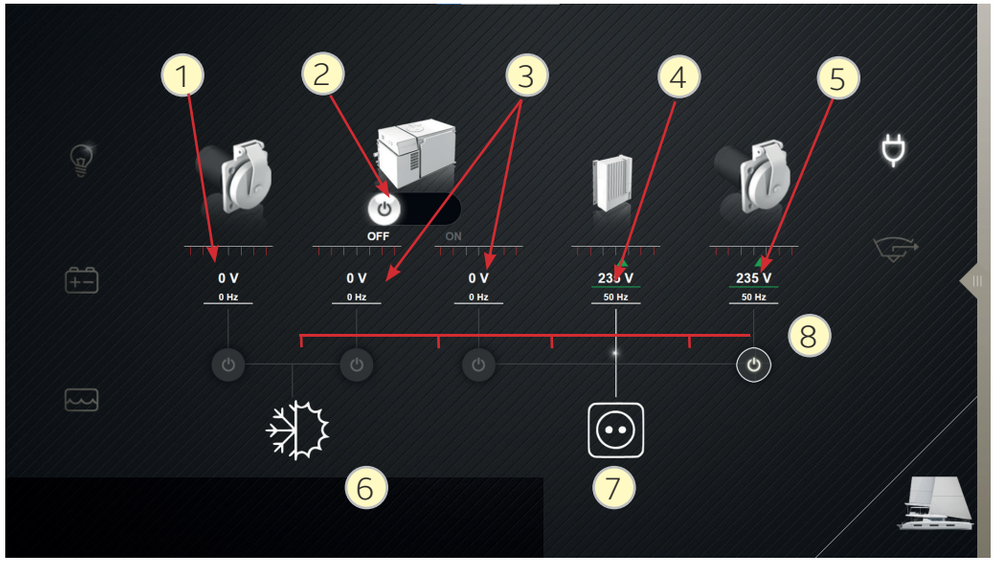
1. Port forward grey water tank level
2. Port aft grey water tank level
3. Starboard forward grey water tank level
4. Port aft grey water tank level
5. Grey water tank discharge

BILGE PUMPS PAGE



6. Choice of operation for all bilge pumps (OFF /ON AUTO /FORCED)
7. 8/9/10 Choice of bilge pump operation (OFF /ON AUTO /FORCED)

AC POWER SOURCE SELECTION PAGE



1. Voltage and frequency: air conditioning shore power supply
2. Remote generator start/stop
3. Voltage and frequency: generator shore power supply
4. Voltage and frequency: inverter
5. Voltage and frequency: service shore power supply
6. Air conditioning AC bus
7. AC power bus
8. Choice of bus power supply source

The white trace indicates the selected 'path'. The red padlock indicates that the source selector is controlled by the handle on the source selector.

8-MAINTENANCE

8.1 Construction

This catamaran is built using the infusion process of polyester resin and high quality anti-osmotic resin on a balsa core and fiberglass skins.

The hull bottoms and keels are made of monolithic infusion laminate.

The hulls and deck are finished with a gel-coat that guarantees a high quality shine and appearance.

- Maintenance

Selected for their level of quality and performance, the materials used for the construction of your boat require a minimum of maintenance in order to be protected from external aggressions (salt, sun, ragging, etc.).

To keep her looking her best, in addition to flushing your boat with fresh water after each trip, you can polish and shine the gel-coat periodically with maintenance products that you can find at your dealer.

For any tough stains or scratches, consult your dealer for advice.

NOTICE
Protect the hull glazing from contact with fenders or hawsers, as damage to the surface will not be reversible.

NOTICE
Promote prevention and protection to keep your boat's hull looking new.
Use fenders in the appropriate number and size whenever necessary.
To avoid staining the gel coat, cover the fenders with protective socks.

8.2 Maintenance

8.2.1 Lifting

Periodic fairing of the boat maintains its original performance by preventing any adherence of marine vegetation.

The water quality where your boat is kept, along with the frequency of the fairing, will determine the choice of antifouling.

Take advice from a professional.

Underwater hull surface:
Approximately 110 m²

8.2.2 Deck fittings

- PUSHPIT AND PULPIT

Periodically rinse with fresh water and wipe down stainless steel parts.

- GUARDRAILS

Watch for the appearance of the first sign of any frayed wires. Watch for corrosion, especially at the connection points.

- EXTERIOR WOOD

Regularly rinse and brush exterior wood with fresh water. There are commercial products for appropriate maintenance.
The use of a high-pressure cleaner is not recommended on teak.

8.3 Propellers, anodes

- PROPELLERS

The propellers delivered with the boat are specifically selected after trials carried out in collaboration with the engine manufacturer.

Never change them without first consulting a professional engineer.

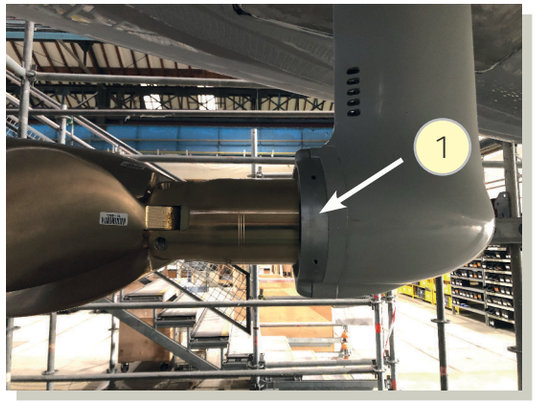
- ANODES

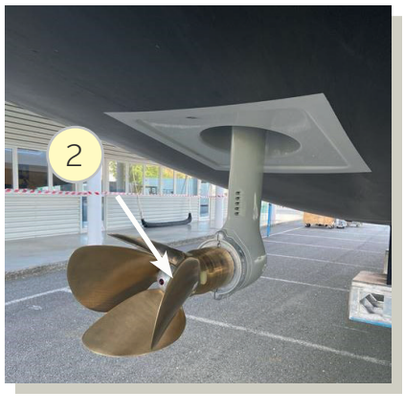
Anodes are positioned at various points on the hull:

* anode on each engine (refer to the engine manual);
* anode on the propeller shaft saildrive (1);
* anode on the propellers (2);
* anode on the propeller shaft of the bow thruster (3);
* anode under the port hull (4);
* anode for the generator (refer to the generator manual).

Monitor anode wear periodically, at least twice a year.

The wear of the anodes depends on many factors and their life span can vary greatly.
Change them when necessary.
Never paint an anode.
Get the whole propulsion system checked and maintained by a professional engineer.





8.4 Winterisation

DECOMMISSIONING

- Remove all documents, ropes not needed for mooring, kitchen utensils, food, clothing and safety equipment.
- Check the expiry dates of the safety equipment.
- Have the liferaft overhauled.

Take advantage of laying-up to carry out a full inventory of the equipment.

ENGINES

The winterization of engines must be done by a professional engineer. Depending on the location of the boat - afloat or ashore - the winterization is different.

WATER SYSTEMS

- Bleed the fresh water system.
  Let the water run from the taps until the system is drained. Check that there is no water left in the pipes (possible low points).
- Disassemble the filters, remove the water.
  Clean the filters if necessary and then put them back on.
- Drain the water heater.
  Check that there is no water left. Close the bleeder.
- Grease all water intake valves and sea cocks.
- Flush and drain toilet bowls and holding tanks.

INSIDE

- Use a dehumidifier in the saloon and ensure cabin and storage doors are left open (cupboards, iceboxes).
- Leave the deck panel dorade vents in the open position to avoid condensation, mildew and oxidation.
- Air the cushions for a while before putting them back in the boat. Place them on their side to limit contact surfaces.
- Dry out and clean the bilges.
- If possible, place the floors vertically to allow ventilation of the various compartments.
- Open the doors of the refrigerator/freezer and ice maker.

OUTSIDE

- Thoroughly drain the cockpit shower.
- Flush the hull and deck extensively.
- Grease all mechanical and moving parts with petroleum jelly (bolts, hinges, locks, etc.).
- Prevent all ropes and mooring lines from chafing.
- Protect the boat as well as possible with fenders.
- Make sure the boat is properly moored.

NOTICE
This is not an exhaustive list of recommendations. Your dealer will give you the advice you need and will carry out technical maintenance of your boat.

8.5 Periodic maintenance

The information given is for illustrative purposes only and is not exhaustive. They must be adapted according to the use of your boat.

ATTENTION
Follow scrupulously the recommendations given in the manufacturers' instructions for use of the elements fitted to the boat.

DECK / DECK FITTINGS / HULL

- Clean the hull with the appropriate products — QUARTERLY
- Clean the stainless steel elements — MONTHLY
- Control the watertightness of the sea cocks — BI-ANNUAL
- Clean the strainers and sea cocks from the outside — BI-ANNUAL
- Disassembling, cleaning and greasing of the capstans — ANNUAL

MOORING / WINDLASS

- Rinse the mooring line and the anchor locker with fresh wate — AFTER USE
- Check the sprocket and the anchor/chain connection — BI-ANNUAL
- Check the locking/braking system — QUARTERLY
- Check the mooring lines and fenders — BI-ANNUAL
- Check the electrical connections (controls, relays, etc.) — QUARTERLY

UPHOLSTERY AND PROTECTIVE COVERS

- Flush/clean the various protective covers. — QUARTERLY
- Dry the exterior upholstery before storage — AFTER USE

AIR CONDITIONING

- Check the sea cocks and clean / change the various seawater filters — QUARTERLY
- Remove dust from the fans of the air heaters — ANNUAL

ELECTRICITY

- Check the tightness of the connection lugs of the batteries and the main switches — BI-ANNUAL
- Check the tightness of the connection lugs of the main relays (windlass, etc.) — BI-ANNUAL

WATERMAKER

- Check and clean the sea water suction filters — MONTHLY
- General inspection by the manufacturer — ANNUAL

PIPING

- Check the electric bilge pumps and alarms — MONTHLY
- Check the manual bilge pump — MONTHLY
- Flush the holding tank — QUARTERLY
- Flush the grey water collector — QUARTERLY
- Check the pressurized water unit — QUARTERLY
- Control the various drains and scuppers — QUARTERLY
- Handle the various valves on board; + grease if necessary — BI-ANNUAL

ENGINES AND GENERATOR

- Check the oil level — MONTHLY
- Check the tension of the belts — QUARTERLY
- Clean the sea water filters — MONTHLY
- Check for leaks (oil, water, fuel) and fumes — QUARTERLY
- Control and empty the primary filters (fuel) — QUARTERLY
- General overhaul — REFER TO THE MANUFACTURER'S MANUAL

8.6 Liquids

SYSTEM	OIL	TYPE	QUANTITY	COMMENTS
4LV150 YANMAR engine	Engine oil	YANMAR SAE 15W40 oil	8.5L/engine	
	Pink coolant	YANMAR COOLANT	5L/engine	
	Inverter oil	SD15 DEXRON III (ATF)	10L + 0,8 L (expansion tank)	
Steering system	Steering Gear oil	VHM 32	20 L	
Generator	Oil	TEKMA MEGA 15W40 Oil	5.6L	
	Coolant	AUTO COOL EXPERT - 37°C ADI 525	7.6L	
Tender-lift	Hydraulic oil	VHM 32	5L	
Gangway	Hydraulic oil	VHM 32	5L	

9-YOUR BOAT

BOAT NAME: .....

VERSION : .....

DATE OF DELIVERY : .....

REGISTRATION NUMBER : .....

HULL NUMBER : .....

ENGINE BRAND : .....

ENGINE KEY NUMBER : .....

STARBOARD ENGINE SERIAL NUMBER : .....

PORT ENGINE SERIAL NUMBER : .....

OTHER INFORMATION : .....

OWNER NAME : .....

ADDRESS : .....

.....

.....

EMAIL ADDRESS : .....

LINE PHONE : .....

MOBILE PHONE : .....

EMERGENCY CONTACTS

10-PERSONAL NOTES

DEALER'S STAMP

Production: Atelier Florence GUÉNAULT
This document is not contractual. The descriptions, illustrations, etc. are given as an indication. Our models are subject to change or improvement as standard without notice.

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