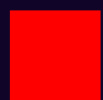


# SAXTOR



## 400 GTC

Owner's Manual

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# 1 Welcome on board

Congratulations on the purchase of your new Saxdor yacht - the best decision ever made!

Saxdor Yachts welcomes you to the new era of boating! Your Saxdor yacht is built to the highest standards for your pleasure with cutting-edge technologies and attention to safety. Enjoy your new boat's amazing design and high functionality coupled with excellent driving.

This manual is your buddy — not something you stow in the furthest corner of your boat. It contains, together with the equipment manufacturers' manuals, essential information you will need to operate your boat in a safe and enjoyable way. It includes detailed information about the boat and its equipment and accessories, as well as instructions for use and correct maintenance of the boat. Please read the manual carefully and familiarise yourself with your boat before using it.

However, this owner's manual alone is not meant to be a sufficient source of information on safe boating and seamanship. If this is your first boat or if the boat type is not familiar to you, please make sure you obtain sufficient training and experience in handling and using the boat before heading out.

If you sell your boat, please make sure to pass this manual, along with the equipment manufacturers' manuals, on to the new owner.

For more details, see section [1.2 Your owner's manual](#) on page 6.

## 1.1 Is this your first boat?

We are really happy to welcome you on board as a captain of your first boat — and that being a Saxdor! Let's get you introduced to some important information so your boat can serve you well on every journey, and both you and the boat remain safe and well taken care of at all times.

- Safety first

We cannot emphasize the importance of safety enough. If you're new to the addictive joy of being a captain, please take the time to carefully read sections [2 Be safe](#) on page 10 and [3 You're the captain](#) on page 19. Although your boat is built to the highest safety standards, it is important that you understand the safety aspects of seamanship and have the necessary skills that allow you to enjoy your yacht to the fullest.

- Consider a boating course

If you are new to the world of seafaring, a course on boating safety and seamanship can help you get the right introduction and a feeling of confidence. Your Saxdor dealer or boating society will be able to guide you on this.

- You may need a driver's licence

Some countries require that you have a licence to operate your boat. There may also be specific regulations and carriage requirements in place. Your Saxdor dealer will know about the requirements in your own country.

- Insurance is a good idea, even if not required by law

Insurance can cover for any damage that may occur whenever the boat is being transported and stored, and in use.

Your Saxdor dealer and/or local authorities can provide you with information about insurance requirements in your area. You can also contact insurance companies directly for information on the various alternatives available.

- Registration

In some regions it may be mandatory to register boats of your boat type. Operating the boat may also be subject to holding a license or other qualification. In addition, minimum age requirements may apply.

If unsure, check with your Saxdor dealer.

## 1.2 Your owner's manual

Learn more about the contents and availability of the user documentation.

The latest version of your manual is always available in the Saxdor share portal. You can check for updated versions for your model year at [manuals.saxdoryachts.com](https://manuals.saxdoryachts.com).



This manual describes all the options available for this boat model. The configuration on your boat may vary depending on the equipment you have selected, and some of the options may not be available in your region.

The equipment manufacturers' manuals complement this owner's manual. They are included in the Saxdor documentation bag that comes with your purchase.

In case of any difficulties, contact Saxdor Yachts local representative for advice and assistance. Saxdor contact information is available at [www.saxdoryachts.com](https://www.saxdoryachts.com).

### 1.2.1 Structure of this manual

The information you will find in the following sections of this manual is organized as follows.

- Be safe

A guide on the steps you need to take to ensure you, your crew, and your guests remain safe at all times whenever on board.

- You're the captain

Get to know how your boat operates, and take control. This manual is, however, not a course on seamanship or boating safety. For the comfort and safety of both yourself and your crew and guests, please ensure you take a boating and seamanship course, or otherwise gain the handling and operating experience you need, before taking the boat out to sea.

- The what and where of your boat

This section is a graphical presentation of the contents of your boat. See the overall layout and positions of equipment on board at a glance, and discover the different components and control functions in detail.

- The how of your boat

Learn how the systems on your boat work. While this section does give some instructions on how to operate the boat, it doesn't provide full step-by-step instructions on the equipment on board. For these, you need to consult the equipment manufacturers' own manuals.

- Respect the environment  
What you can do to keep other persons, the sea and mother nature from harm.
- Care for your boat  
This section will give you some guidelines on how to best take care of your boat to ensure a long lifespan and maximum pleasure, but it is not a detailed maintenance guide. Consult the equipment manufacturers' manuals for more detailed instructions. We advise you to always turn to a professional service for the maintenance of your boat.
- When in trouble  
Some tips for simple troubleshooting.
- The details  
All the technical specifications and the dimensions of your boat.
- Extras  
Appendices. Links to the full warranty card, wiring diagrams, and equipment manufacturers' websites. Also a glossary of some important terms, and a summary of warnings and cautions that occur in this manual.

## 1.2.2 Equipment manufacturers' manuals

The Saxdor documentation bag includes a hard copy of the manuals or quick guides of the equipment that you have selected for your boat.

However, in today's digital world many manufacturers, like us, do not offer any printed documentation at all. So have a look at their websites for any content you might need! For example, you can look there for more detailed instructions and for the most up-to-date information.

For your convenience, a list of the equipment manufacturers' websites is available in Extras. Note that the list is not exhaustive.

### Related information

[9.4 Equipment manufacturers' websites](#) on page 89

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## 1.4 Definitions

See here the conventions used in this manual.

### Measurement units

Measurement units are, in general, given in accordance with the International System of Units (SI) and the United States Customary Units (USCS). Exceptions:

- Wind force is given in the Beaufort scale (BFT)
- Speed is given in knots (kn).

### Figures

All figures are shown for illustration purposes only. Actual product may vary depending on the selected optional features and equipment.

- Details framed in solid red line illustrate areas and equipment locations on your boat.
- Details framed in dotted red line refer to areas or equipment which are inside your boat or not directly visible in the figure.
- Green arrows indicate emergency exits.
- Filled orange circles refer to designated passenger seats.
- Filled orange area with diagonal lines illustrates the working deck area.



## Safety symbols

Warnings and cautions are labeled in accordance with the international ISO and ANSI standards.

 **DANGER**

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

 **WARNING**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION**

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**NOTICE**

Indicates a potential situation which, if not avoided, may result in property damage or in an undesirable result or state.



Gives additional information or calls for attention to the correct use of the product, to the expectations of the user, or to how to avoid error situations.

## 2 Be safe

A guide on the steps you need to take to ensure you, your crew, and your guests remain safe at all times whenever on board.

### 2.1 Your responsibilities

Safety is the first step and most important step towards getting maximum pleasure out of your boat. Please familiarize yourself with the contents of this chapter before taking your boat out to sea for the first time.

As the captain of your boat, you have the ultimate responsibility! Not just for yourself, but also for your crew, any guests on board and other seafarers.

#### **WARNING**

Neglecting the necessary safety precautions can risk lives.

Take safety seriously. Remember that you as the driver are responsible for the safety for others.

#### **Behave responsibly!**

- Make sure you and any other persons who will operate your boat have the necessary boating and navigation skills.
- Check that all persons on board, yourself inclusive, are wearing a life jacket at all times.
- Do not let anyone swim around the boat when the engine is running.
- Load the boat correctly within capacity limits.
- Don't drink and drive.
- Do not climb on the roof or use the engine as a stepping platform.
- Be aware of and make sure you comply with all applicable local laws and regulations.
- Make sure the safety equipment complies with local regulations.
- Take good care of your boat and have it serviced regularly. Don't attempt to perform any major repairs by yourself or make modifications to your boat without consulting your Saxdor dealer first.
- Read this manual and the documentation supplied in the Saxdor documentation bag and heed the warnings and cautions in them.

#### **Be prepared!**

- Know your boat and understand the safety limitations set on your boat by capacity and design category.
- Proactively maintain your boat to keep it in good condition. Keep an eye on any signs of wear and tear and have them repaired immediately.
- Familiarize yourself with the location of all safety equipment on board, and check that they are fully functional before setting off.
- Make sure you understand all emergency procedures.
- Also make sure that everyone on board is familiar with the correct use and operation of all safety equipment in the event of an emergency.

- Check the weather conditions and forecast before you set off.
- Plan your route and stopovers, and make sure you have the equipment and facilities needed.

### Be aware of risks and know how to act

Boating always comes with certain risks. Make sure you know how to minimize these risks, and be prepared to act in the event something were to happen.

### Learn more

- How to be prepared: [2.5 Avoid emergencies](#) on page 13
- How to act in case of emergency: [2.6 Help!](#) on page 16

## 2.2 Your safety bells and whistles on board

To ensure carefree and safe boating, your boat is equipped with different safety fixtures. Familiarize yourself with them before setting off on your voyage for the first time.



There maybe different or additional requirements for safety equipment in your country. In some countries it is a legal requirement to wear a life jacket.

This kind of additional safety equipment is not Saxdor's responsibility. Also, it is your responsibility to ensure that the equipment complies with local regulations and that these devices are fully functional. If unsure, consult your Saxdor dealer.

### Builder's plate

Start with the builder's plate! It contains important safety information, such as maximum load and number of people, which you must abide by at all times.

### Safety equipment and emergency exits

Your boat comes with emergency exits, a CO detector and space reserved for additional safety equipment. Your Saxdor dealer will help you get the additional safety equipment required in your country, such as fire extinguishers and smoke detectors.

Before setting off, make sure:

- All safety equipment is fully functional and easily accessible.
- Everyone on board knows where to find the safety equipment and emergency exits.
- Everyone knows how to use the equipment and how to act in an emergency.
- Everyone wears a life jacket, even if not required by law.

### Maintain your safety equipment

- Have the fire extinguisher inspected at the intervals indicated on the device or according to the local legislation. Replace the fire extinguisher if it has been expired.
- Test the operation of smoke and CO detectors according to the local legislation.

## Safety labels

Your boat is equipped with labels containing important safety information. Make sure:

- You and everyone on board understands the meaning of the safety symbols and the texts on the labels.
- Everyone obeys the instructions on the labels.

## Related information

[4.3 Builder's plate](#) on page 42

[4.4.1 Safety equipment and emergency exits](#) on page 44

[4.4.3 Safety labels on board](#) on page 46

## 2.3 What is builder's plate?

The builder's plate is an ISO certification label and proof of the consistent, high standard of Saxdor yachts.

The builder's plate on your boat is located close to the steering wheel and contains important safety information such as:

- Your boat's design category
- Load capacity (not including fuel)
- Maximum permitted number of persons, engine weight and power

The plate also shows the boat builder's contact details.

### **WARNING**

Not heeding the limitations on the builder's plate can put you and your passengers at risk.

Do not exceed the maximum permitted engine power or number of persons on board.

Respect the conditions set out by the design category of your boat.

## Related information

[4.3 Builder's plate](#) on page 42

## 2.4 What is design category?

Design category is an important element of safe boating! It defines the weather and nautical conditions in which it is safe to operate your boat.

**⚠ WARNING**

Not respecting the design category limitations of your boat can put you and your passengers at risk.

Do not exceed the maximum permitted engine power or number of persons on board.

Ensure that the anticipated wind and sea conditions correspond to the design category of your boat.

Always make sure your boat and your operating skills match the weather and water conditions where you are going to operate.

Design category conditions are specified using maximum wind speed and maximum significant wave height as measurement. A significant wave height refers to the average height of the highest one third of all waves, visually estimated.

For example, design category C conditions are typically encountered in exposed inland waters, estuaries and coastal areas in moderate weather conditions. Design category B conditions are more severe — typically encountered offshore, but also in coastal areas and larger inland waters where sheltered areas are not readily available.

Table 2.1 - Design category specification

Description	Category A		Category B		Category C		Category D	
Wind force	Beaufort force exceeding 8		Beaufort force 8 or less		Beaufort force 6 or less		Beaufort force 4 or less	
Significant wave height	>4 m	>13 ft	≤4 m	≤13 ft	≤2 m	≤6.6 ft	≤0.3 m	≤1 ft

### What is my boat's design category?

Your boat's design category is indicated on the builder's plate. You can also check it from the Technical specification in this manual.



Your boat's design category is B. So please make sure you follow the safety rules, for example:

- For category B conditions, you can have the maximum number of passengers indicated on the builder's plate on board.

## 2.5 Avoid emergencies

Know what the risks are, act responsibly, and have a plan.

### 2.5.1 Avoid flooding and capsizing

Don't compromise stability!

Do not worry! Your boat is designed to be very stable and does not get easily flooded.

Also, remember that when boating, it is normal to get water into the boat. To keep your feet nice and dry, and the boat afloat, there are several drainage openings in the hull. Automatic bilge pumps work non-stop to keep the bilge clear of water. A manual pump complements the automatic pump.

However, stability can be compromised by many things such as rough waters, towing, poorly balanced load and too much water in the bilge. Take these steps to maximize stability:



1. Load your boat right.

- Respect the design category limitations on the number of persons on board.
- Make sure everybody on board is seated in the designated seats.
- Do not exceed the maximum allowed load on the builder's plate.
- Make sure all equipment, accessories and luggage items are stowed and will stay securely in place even in rough sea conditions and strong winds.

**⚠ WARNING**

Any change in the weight distribution may significantly affect the stability, trim and performance of the boat.

When loading the boat, never exceed the maximum recommended load. Always load the boat carefully and distribute loads appropriately to maintain design trim (approximately level). Avoid placing heavy weights high up.

Take into account any modifications that may affect weight distribution, such as a different engine or a fishing tower.

**⚠ WARNING**

Getting entrapped in the cabin and not having quick access to safety equipment can be fatal in case of flooding.

Never lock or block the access to the emergency exits or safety equipment.

Do not store luggage or other heavy items on top of the front deck hatch.

2. Close side terraces, doors and hatches while under way.

- Always lock the side terraces in upright position before you set off.
- Always keep all hatches and storage locker lids closed while under way.
- Keep portlights, windows, washboards, doors and ventilation openings closed in rough weather or at planing speed.

**⚠ WARNING**

Getting water into the hatches or inside the boat increases the risk of flooding.

Always keep hatches closed and side terraces in upright position when under way.

3. Keep the drain outlets functional and monitor water levels.

- Always keep the drain holes open. The only time you may close them is in a situation where water starts getting into boat during loading.
- Clear the pump inlets from debris if needed.
- If the seacocks are fitted in the front and aft peak bulkheads, keep them closed. You may only open them in order to let water drain into the main bilges.
- If you notice that there is more water than usual in the bilge, or if you get the high bilge water alarm, check your boat for leaks and damage to the hull. Use the manual bilge pump to pump out the excess water.

## 2.5.2 Move safely on board



To ensure your safety, your boat has designated areas for moving on board and sitting while using the boat.

- Use the working deck area when mooring and leaving the shore.
- Ensure that everyone on board is seated in the designated seating areas during voyage. Do not exceed the maximum allowed number of persons on board.

## 2.5.3 Don't play with fire

Avoid situations that can cause a risk of fire.

Make sure you are familiar with the location of safety equipment and emergency exits on board.

**⚠ WARNING** Risk of fire or explosion.

Handle open flame and fuel-driven devices with caution.

**⚠ WARNING** Careless refueling is a fire hazard.

Never fill the fuel tank or handle fuel when the engine is running.

Don't smoke when handling fuel.

To minimize the risk of fire, always take these safety measures:



- Be careful not to damage fuel lines.
- Never store fuel containers or equipment containing fuel in any area not designated for the purpose.
- Never obstruct access to the fuel tank compartment, safety controls, electrical systems, ventilation units, safety equipment or passageways to fire exits and hatches.
- Don't make changes to your boat's electrical, ventilation or fuel systems yourself.
- Never leave the stove or heater unattended or have any free hanging curtains or other fabrics near them.
- Check the bilge regularly to make sure that there are no fuel leaks.
- When replacing safety equipment, make sure it complies with local requirements.

## 2.5.4 Consider the carbon monoxide hazard

Carbon monoxide (CO) is an odorless but potentially lethal gas! Be aware of and avoid situations in which there is a risk of CO accumulation.

**⚠ WARNING** Carbon monoxide (CO) is harmful to your health in higher concentrations, and can even be lethal. Even low concentrations of CO can cause damage with prolonged exposure.

Prevent the accumulation of CO in the first place by minimizing the risk situations.

Act quickly if the CO alarm turns on or if you suspect CO poisoning.

Engine exhausts contain carbon monoxide (CO). High CO concentrations can occur especially when:

- Running the engine in confined spaces in a standstill, for example with the boat close to another vessel or with the engine next to a wall.
- Driving at slow speeds or in a tailwind.
- Driving with the bow high.
- Running the engine with the cabin door open may cause exhaust fumes to enter the cabin.

To prevent CO accumulation:



- Do not rev or idle the engine unnecessarily, for example when mooring or when there are persons in the water.
- Do not block exhaust outlets and inspect the exhaust system regularly.
- Ensure all areas on the boat are kept well ventilated if you're using a diesel heater or any other fuel-burning device.
- Keep the cabin door closed when running the engine.
- Leave enough space between the engine and any obstacle.

### Related information

[2.6.4 If you suspect carbon monoxide poisoning on page 17](#)

## 2.6 Help!

Even though you try to avoid it - emergencies do occur. Being prepared and knowing how to act is the best way to prevent them from getting serious.

### **⚠ WARNING**

Trying to cope by yourself too long can quickly escalate an emergency.

In case you cannot handle the situation, always contact rescue service without delay!

### 2.6.1 What if your boat is flooded?

When boating, it is normal to get some water into the boat. However, if water starts to accumulate, you need to take action.

### **⚠ WARNING**

Risk of drowning! The boat can sink or capsize if too much water gets into the boat.

Do not rely solely on the bilge pump system. It is not designed to pump out large amounts of water.



- If you suspect a leak, act quickly.
  - If there is a rapid increase in water accumulation, call rescue service.
  - If you have moderate accumulation of water, reduce the flooding manually. Use the manual pump or a bail.
- Make sure everyone is wearing a life jacket.
- Find out the reason and go ashore as soon as possible.



## Related information

[2.5.1 Avoid flooding and capsizing](#) on page 13

[5.4 Draining system](#) on page 66

## 2.6.2 Man overboard!

If a person has fallen into the water.



- Point the boat directly into the wind.
- Stop the engine if it is running.
- Hand the person a flotation device if they are not wearing one.
- Help the person back on board. You can lower the bathing ladder for the purpose.

**⚠ WARNING** Risk of injury.

Do not use the outboard engine's cavitation plates for reboarding.

## Related information

[4.1.6 Bathing platform](#) on page 31

[5.8.6 Bathing ladder](#) on page 77

## 2.6.3 Fire!

Don't waste time!



- Turn off power from all the power sources.
- Close the fuel valve.
- Check that everyone is wearing a life jacket.
- Use a fire blanket or fire extinguisher to put out the fire. Do not use water!

**⚠ WARNING** Risk of explosion.

Never use water to put out fuel fire. If the fire gets in touch with a flammable fuel, water can spread the fire and cause an explosion.

- Don't hesitate to call for help and evacuate the boat if the fire starts spreading.

## 2.6.4 If you suspect carbon monoxide poisoning

If a person has been exposed to carbon monoxide, act quickly!

**⚠ WARNING**

Carbon monoxide (CO) is harmful to your health in higher concentrations, and can even be lethal. Even low concentrations of CO can cause damage with prolonged exposure.

Prevent the accumulation of CO in the first place by minimizing the risk situations.

Act quickly if the CO alarm turns on or if you suspect CO poisoning.



- If the CO alarm turns on:
  - Turn off the engine(s) and all possible devices.
  - Do not use fire or any electronics.
  - Open all the ventilation hatches and doors.
- If a person shows signs of CO poisoning (headache, dizziness, ringing in the ears, nausea, loss of consciousness):
  - Move the person to a well ventilated area and have them breathe fresh air deeply.
  - If breathing has stopped, call rescue service and resuscitate!

## 3 You're the captain

In this section of the manual we will help you understand how to operate a boat and how to take control.

This manual is, however, not a course on seamanship or boating safety. For the comfort and safety of both yourself and your crew and guests, please ensure you take a boating and seamanship course, or otherwise gain the handling and operating experience you need, before taking the boat out to sea.

### 3.1 Get going!

You're raring to go, and so is your boat! But before you set off, ensure that you've gone through all the relevant checks.

- Check the weather forecast. Consider the prevailing wind force, wave profile and visibility. Don't exceed the capabilities of your boat's design category.
- Make sure you and your crew have the necessary boating and navigation skills. Agree on the duties for each person before approaching and leaving the shore.
- Make sure you load your boat right. Ensure that your load, including the number of passengers, does not exceed the maximum limit of your design category.
- Check you have all the necessary equipment such as life jackets for all passengers, mooring lines, fenders, functional safety equipment and a compass. Have a print copy of your charts covering a sufficiently large area.
- Refuel the boat and make sure you use the right type of fuel. Check the engine manual, if in doubt.
- Inspect the engine as specified in the engine manual.
- Be prepared for unexpected situations with extra fuel and provisions. Not to forget spare batteries for equipment like phones and flashlight.
- Check that all the critical equipment such as the steering system, navigation lights, horn and bilge pumps are functional.
- Check that the seacocks are open, hatches closed, and bilge clear of water and fuel.
- Ensure sufficient ventilation of the fuel compartments to reduce the risk of fire. Make sure ventilation channels are unobstructed.
- Make sure you know and obey the right-of-way rule and other navigation rules defined in the International Regulations for Preventing Collisions at sea (COLREG).



When filling the fuel and fresh water tanks, remember that you may not be able to fill up the tanks all the way if the boat is not level due to the trim or an uneven load trim. Therefore, always keep an extra 20% reserve.

#### Related information

[2.1 Your responsibilities](#) on page 10

[2.4 What is design category?](#) on page 12

[2.5.1 Avoid flooding and capsizing](#) on page 13

## 3.2 Driving and steering

All aboard? Check out these tips and get cruising!

### 3.2.1 Get to know how your boat handles

Your boat has its own unique behavior. Learn to know her before entering crowded waters or docks.

#### Maneuvering the boat

- First practice controlling your boat in open and protected water with enough space.
- Learn how your boat responds to wind, waves and currents from different directions.
- Avoid sudden maneuvers at speed.
- Always be certain you have sufficient distance to stop or maneuver if required to avoid collisions.
- When approaching or leaving the shore, apply the throttle in sharp and short doses to make your steering maneuvers efficient. Avoid sudden steering movements and make sure that all crew members not required to assist in the docking remain seated.
- Practice trimming until you are comfortable using it.
- If you have a twin engine model, practice docking and other behaviors specific to twin engines.
- If you are the driver and must leave the helm station, make sure to shift the engine into neutral.

#### Using the engine throttle and shift control

- Start the engine(s) and attach the lanyard stop switch cord to yourself.
- Shift to forward or reverse as necessary to get out of the dock.
- When you leave the dock, maneuver and gradually add speed as necessary.
- Always stop at the neutral position and allow the engine idle speed to stabilize before you shift into another gear. Shift into gear with a quick motion.
- Push the control handle gently forward or back until you reach the desired speed.
- Gently pull the control handle back to neutral position when you want to slow down.
- Learn how to trim the boat with the throttle and shift control.

#### NOTICE

Risk of severe engine damage! Shifting the engine into reverse at forward speeds higher than idling speed could cause the engine to stall and allow water to enter the engine's cylinders.

Drop the speed to idling speed before you shift into reverse.

#### Related information

[3.2.3 Got the attitude? About trimming your boat on page 21](#)

[3.2.5 Take it up a notch or a few on page 22](#)

[5.2.1.1 Starting the engine on page 64](#)

### 3.2.2 What is lanyard stop switch?

Don't want your boat to ride without a driver? The lanyard stop switch comes to the rescue.

The lanyard stop switch shuts down the engine if the driver moves too far from the helm station, or falls overboard. The switch with the lanyard is located at the helm station.



The switch doesn't work if the driver is not hooked onto it!

- Always attach the lanyard to yourself immediately after having released the mooring lines.
- Don't forget to release the lanyard when docking so that the engine doesn't stop unintentionally.

Check the engine manufacturer's manual for more details about using the lanyard stop switch.



You may have an option for a wireless lanyard stop switch. If you have this feature, you may use it instead of the fixed lanyard stop switch.

### 3.2.3 Got the attitude? About trimming your boat

Learn how to trim your boat in order to ensure a smooth cruise and optimal performance.

The trim, or attitude, of your boat is its running angle as it makes way in the water. Running in the wrong trim angle gives you a bumpy ride and loads the engine unnecessarily. Learn how to:

- Adjust the boat's vertical running angle (raise or lower the bow) when getting to planing speed or changing speeds.
- Play with your trim until you find the most comfortable ride while cruising.
- Adjust the boat's heel (lateral angle) when travelling in a crosswind or with an unbalanced load.

You can trim your boat from the trim tabs control at the helm station. By using the trim tabs you can adjust:

- The boat's vertical running angle.
- The boat's heel.

You can also trim your boat's vertical angle using the engine throttle and shift control. Trimming changes the propeller shaft angle, which causes the bow to move up or down.

#### **WARNING**

Poor trimming can risk lives! Adjusting the trim angle at high speeds may radically affect your boat's behavior. A high running trim can obstruct the view so you may not notice swimmers and small vessels.

Avoid making adjustments at high speeds.

Don't drive with the bow high for long periods of time. Trim the boat's vertical angle to lower the attitude in congested areas.

See the trim tab manufacturer's manual for detailed instructions on how to use the trim tabs.

See also the engine manufacturer's manual.

### Related information

[5.2 Engine and steering system](#) on page 63

## 3.2.4 See where you're going

To avoid any unexpected dangerous situations, ensure you are always able to see where you are going and what is happening around your boat.

- Make sure nobody or nothing is blocking the view from the helm station.
- Be aware that a high running trim can obstruct the view so you may not notice swimmers and small vessels. Don't drive with the bow high for long periods of time and trim the boat to lower the attitude in congested areas.
- Turn on the navigation lights when it is dark or the visibility is poor.
- Find out beforehand how the windshield wiper works.

## 3.2.5 Take it up a notch or a few

Despite your Saxdor boat's wow performance, you will resist the urge to show off driving at full speed — being the responsible person you are.

### WARNING

Overcorrecting, dropping the speed suddenly or hitting the waves at a wrong angle when driving at high speeds can have serious consequences.

Do not exceed your boating capabilities. Drive at speeds you are comfortable with. Avoid sudden maneuvers.

Always use the lanyard stop switch.

### Respect the boat's and your own limits

- The faster you drive your boat, the less of it is connected to the water, and this means the boat feels more responsive to even your small adjustments. At high speed you have less control over your boat at the beginning of a turn.
- Be careful with trimming at high speeds. Don't drive with the bow down.
- When driving in planing mode the boat lifts off the water surface and the air draft increases. Reduce speed when driving under low obstacles such as bridges.
- Do not drive at maximum speed while in congested high traffic waterways, high winds, large waves or when visibility is reduced.
- Do not exceed the maximum recommended engine power shown on the builder's plate and in Technical specifications.
- Secure loose equipment safely when underway.

### Be considerate

- Reduce your speed and wake as a courtesy and as a safety consideration to yourself and others.
- Observe and obey the speed limits.
- Respect no wake zones to protect the environment.

## 3.3 Mooring, towing and anchoring

Check here for tips about mooring, towing and anchoring.

### Practice the techniques

- Practice mooring in calm weather, and use large enough fenders.
- Always tow or be towed at a slow speed. Never exceed the hull speed of a displacement boat when being towed.
- When anchoring, make sure you anchor far enough from the shore, and a sufficiently long rope to get a good hold.
- Always lift and secure the anchor when you are not using it.

### Strong points for attachment

Your boat has several cleats to be used as strong points for mooring, towing and anchoring.

- When you tow another boat, use the aft cleats.
- When your boat is towed, use the bow cleats.



Some boat models have a separate towing plate in the bow, which you can also use for towing your boat.

- Always use at least two cleats and big enough fenders when mooring at a dock to prevent the boat from moving and scraping against other boats or structures onshore.
- Do not exceed the breaking strength of the strong points. See Technical specification for details.

### Mooring, anchoring and towing lines

- Ensure that mooring lines, towing lines, anchor chains, anchor lines and anchors are adequate for the boat's intended use. The lines or chains must not exceed 80 % of the breaking strength of the respective strong point. Preferably, use the towing and mooring lines provided in the mooring package of your boat. If you are unsure what kind of equipment to use, contact your Saxdor dealer.
- Always attach the lines so that they can be released when under load.
- Make sure your mooring lines and fenders are ready at hand for docking.
- Make sure the lines and chains don't get tangled in the propeller.

### Related information

[5.7 Anchor system](#) on page 71

## 3.4 Lifting and trailering

Treat your boat well even on land.

You and your boat would rather be on the water, but sometimes you need to lift and transport your boat for maintenance, out-of-the-season storage, or to another location.

It is recommended you use a professional service, unless you're skilled enough and have the right type of equipment for the task.

### Lifting

#### **⚠ CAUTION**

The boat may tip or the lifting straps may slide during lifting if the straps are not attached properly or if the loads move and disturb the balance of the boat.

Empty the bilge and waste water tanks and remove any unnecessary load from the boat.

Do not hook the boat through the aft wings as the straps may slide away.

- Lift the boat only from the recommended lifting points.
- Always use spreader bars when lifting the boat. They distribute the weight of the boat over the two lifting points. Make sure the spreader bars are long enough to protect the hull and side terraces from damage.

### Trailering

#### **⚠ CAUTION**

Trailering a large load can be a traffic hazard.

Use a trailer that is suitable for the boat.

Do not exceed the trailer capacity.

Secure the boat and the trailer properly.

- Make sure to remain within the limits of the maximum mass indicated in Technical specification (m<sub>T</sub>).
- Make sure your vehicle is powerful enough and you know how to maneuver the trailer.
- Use the cleats in the bow of your boat to pull your boat onto a trailer.
- Attach the boat to the trailer from all cleats of your boat.

### Related information

[4.5.2 Lifting points](#) on page 51



## 4 The what and where of your boat

Here you can see the overall layout, the equipment and the features of your boat in pictures.



The following images describe the options available for this boat model. The configuration on your boat may vary depending on the equipment you have selected, and some of the options may not be available in your region.

### 4.1 General boat layout

Get an overview of the general layout of your boat and become familiar with the different compartments.

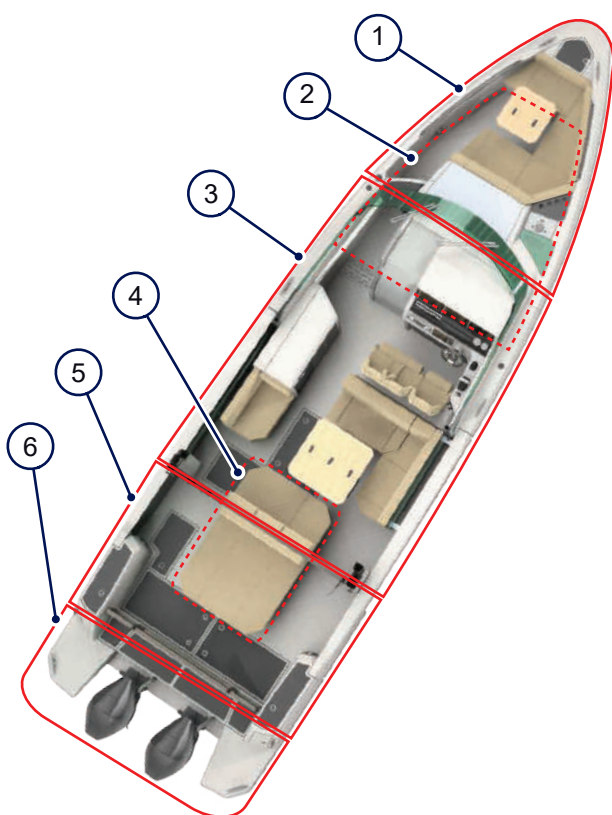


Figure 4.1 - General boat layout

- |   |             |   |                  |
|---|-------------|---|------------------|
| 1 | Foredeck    | 4 | Aft cabin        |
| 2 | Front cabin | 5 | Aft deck         |
| 3 | Main cabin  | 6 | Bathing platform |

### 4.1.1 Foredeck

See here what you can find on the foredeck.

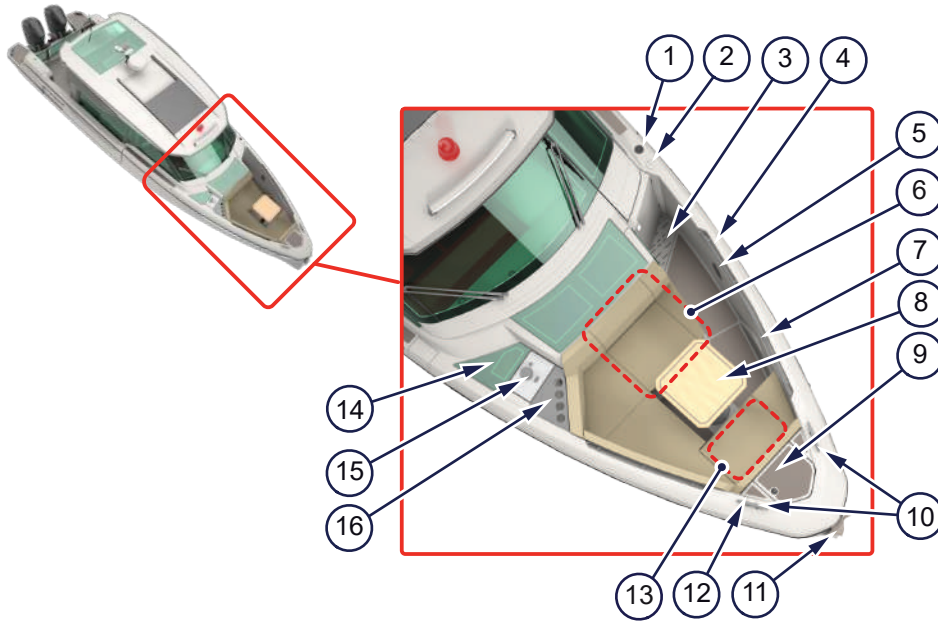


Figure 4.2 - Foredeck

- |   |                                       |    |                        |
|---|---------------------------------------|----|------------------------|
| 1 | Fresh water inlet                     | 9  | Anchor box hatch       |
| 2 | Gasoline fuel inlet                   | 10 | Bow cleats             |
| 3 | Foredeck drainage                     | 11 | Anchor                 |
| 4 | Handrails                             | 12 | Sun shade mountings    |
| 5 | Speaker                               | 13 | Storage box hatch      |
| 6 | Emergency exit (from the front cabin) | 14 | Front cabin skylight   |
| 7 | Deck lights                           | 15 | Ventilation hatch      |
| 8 | Table and sofas                       | 16 | Cup and bottle holders |

### 4.1.2 Front cabin

See here what you can find in the front cabin.

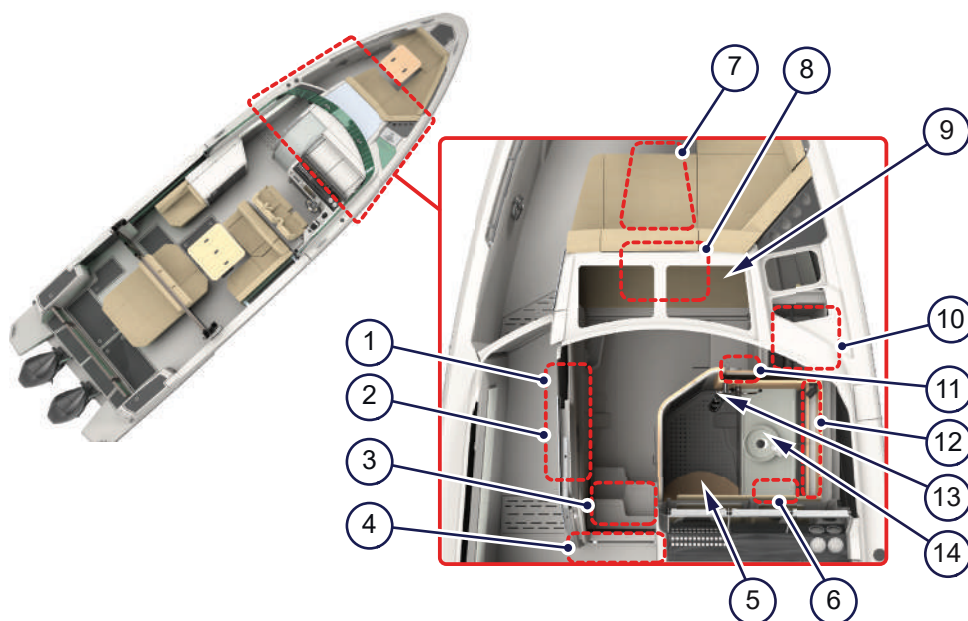


Figure 4.3 - Front cabin

- |   |   |    |  |
|---|---|----|--|
| 1 | Temperature control panel, audio control panel              | 8  | Cabin technical compartment hatch (bow thruster and battery) |
| 2 | Fuse panel, power outlets, light switch                     | 9  | Bed  |
| 3 | Shower's grey water box and bilge pump hatch                | 10 | Smoke and carbon monoxide (CO) detector                      |
| 4 | Kit cabin hatch (AC pump, black water valve, sea strainers) | 11 | Wardrobe   |
| 5 | Toilet and toilet compartment                               | 12 | Mirror cupboard  |
| 6 | Toilet compartment control panel                            | 13 | Fresh water shower   |
| 7 | Storage under the bed                                       | 14 | Fresh water tap, sink, bidet shower                          |

### 4.1.3 Main cabin

Check here the facilities and equipment that you can find in the main cabin.

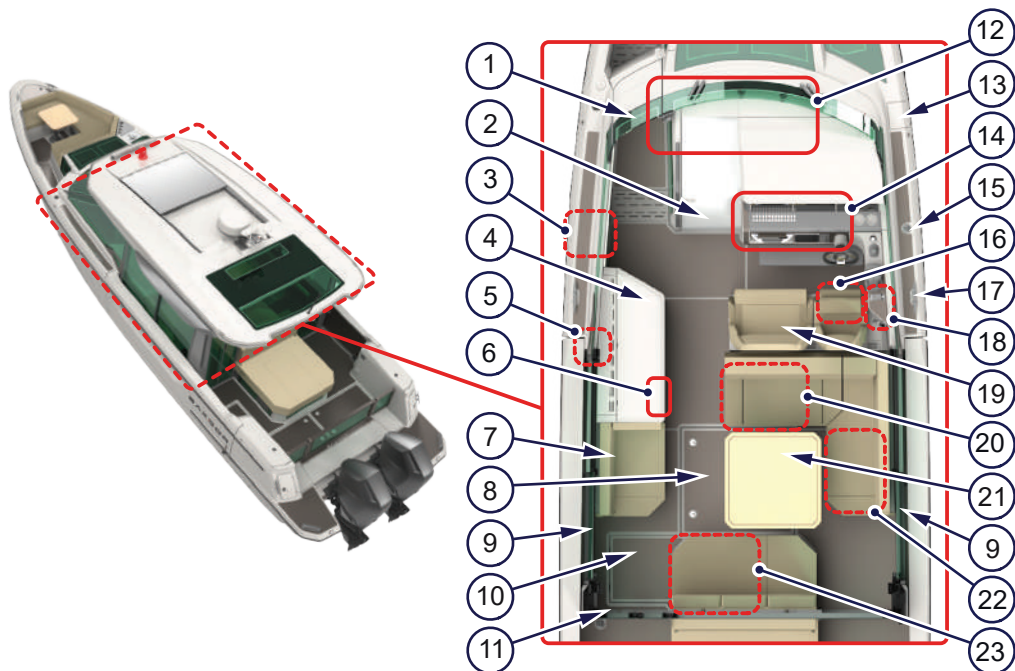


Figure 4.4 - Main cabin

- |    |  |    |  |
|----|--|----|--|
| 1  | Door and doorway to the foredeck                           | 13 | Toilet compartment ventilation opening             |
| 2  | Door and doorway to the front cabin (Emergency exit)       | 14 | Helm station                                       |
| 3  | Access hatch to the fuel and water pipes                   | 15 | Black water discharge outlet                       |
| 4  | Wet bar  | 16 | Battery control panel / Manual bilge pump          |
| 5  | Access hatch to the electrical systems (behind the fridge) | 17 | Middle cleats                                      |
| 6  | Sofa and table control panel                               | 18 | Access hatch to electrical connections             |
| 7  | Wet bar seat and drawer                                    | 19 | Driver's and passengers' seats                     |
| 8  | Access hatch to fuel tank and storage                      | 20 | Electric sofa                                      |
| 9  | Door and doorway to the bathing platform                   | 21 | Electric table                                     |
| 10 | Access hatch to the aft cabin                              | 22 | Sofa and storage                                   |
| 11 | Door and doorway to the aft deck                           | 23 | Door and doorway to the aft cabin (Emergency exit) |
| 12 | Windshield and wipers                                      |    |  |

### 4.1.4 Aft cabin

Check here the facilities and equipment that you can find in the aft cabin.

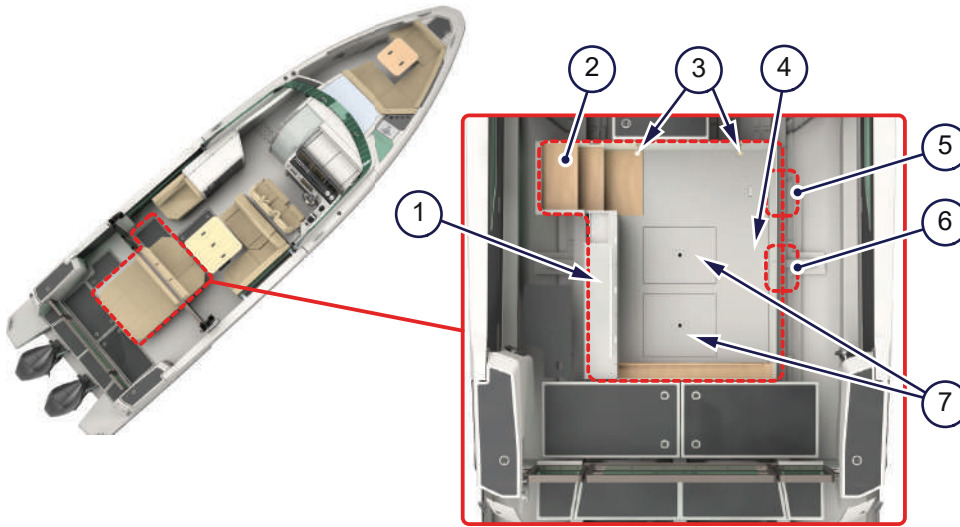


Figure 4.5 - Aft cabin

- |   |                         |   |  |
|---|-------------------------|---|--|
| 1 | Locker                  | 5 | Recommended location for the smoke and CO detector |
| 2 | Stairs to the aft cabin | 6 | Heating and air conditioning outlets               |
| 3 | Lights                  | 7 | Storage under the bed                              |
| 4 | Bed                     |   |  |

### 4.1.5 Aft deck

See here what you can find on the aft deck.

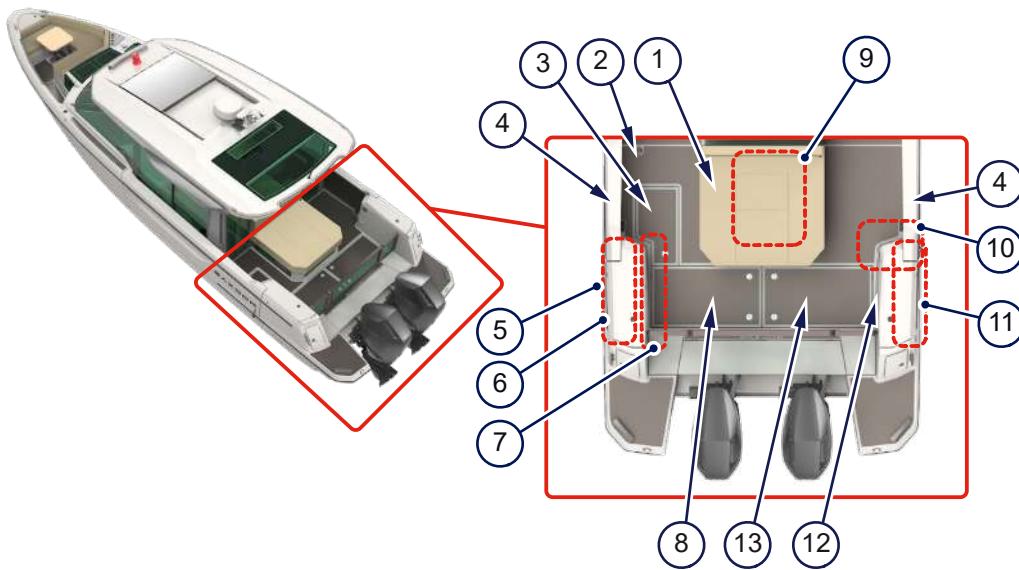


Figure 4.6 - Aft deck

- |   |                                 |    |   |
|---|---------------------------------|----|---|
| 1 | Sofa                            | 8  | Aft technical compartment (batteries)                               |
| 2 | Grey water discharge outlet     | 9  | Emergency exit from the aft cabin                                   |
| 3 | Storage / cooler box hatch      | 10 | Side terrace control panel  |
| 4 | Side terraces                   | 11 | Diesel fuel inlet and storage                                       |
| 5 | Barbecue grill                  | 12 | Deck lights (both sides of the deck)                                |
| 6 | Fresh water tap and sink        | 13 | Aft technical compartment (generator replacement system, batteries) |
| 7 | Access hatch to drainage valves |    |   |

### 4.1.6 Bathing platform

See here what you can find on the bathing platform.

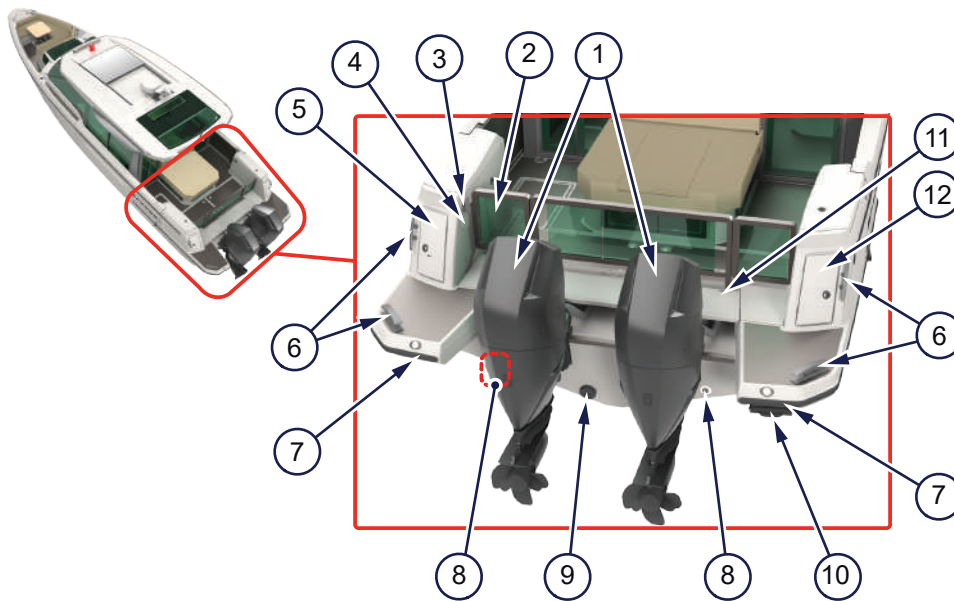


Figure 4.7 - Bathing platform

- |   |                                   |    |                                       |
|---|-----------------------------------|----|---------------------------------------|
| 1 | Twin engines                      | 7  | Warning lights for rotating propeller |
| 2 | Transom gates                     | 8  | Underwater lights                     |
| 3 | Fresh water control panel         | 9  | Zinc anode                            |
| 4 | Fresh water shower                | 10 | Bathing ladder                        |
| 5 | Shore power panel 1               | 11 | Engine well bridge                    |
| 6 | Aft cleats for towing and mooring | 12 | Shore power panel 2                   |

## 4.2 User controls

See here the location of the different user controls on your boat.

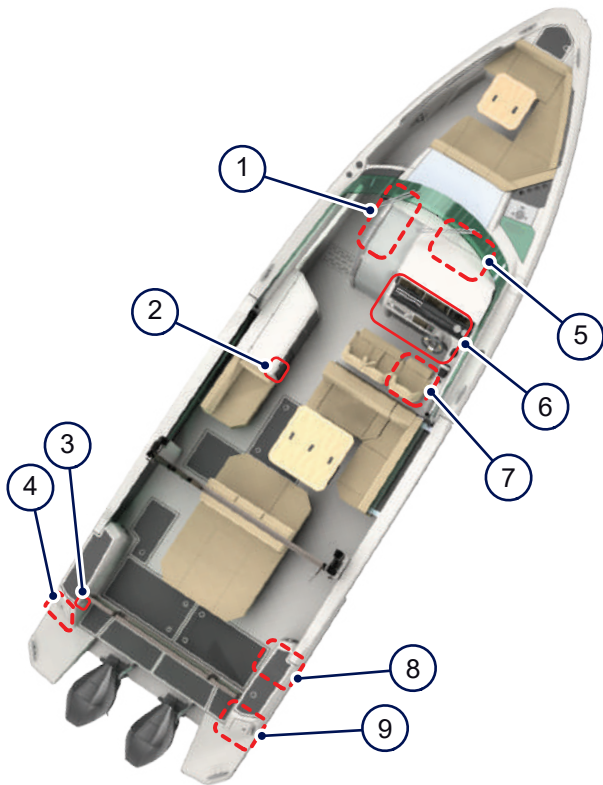


Figure 4.8 - Locations of user controls

- |   |  |   |                            |
|---|--|---|----------------------------|
| 1 | Fuse panel / Temperature control panel | 6 | Helm station controls      |
| 2 | Sofa and table control panel           | 7 | Battery control panel      |
| 3 | Fresh water control panel              | 8 | Side terrace control panel |
| 4 | Shore power panel 1                    | 9 | Shore power panel 2        |
| 5 | Toilet compartment control panel       |   |                            |



## 4.2.1 Helm station controls

Get a quick overview of the locations and names of different controls at the helm station. Drill deeper into the functions available for each control unit in the following sections.

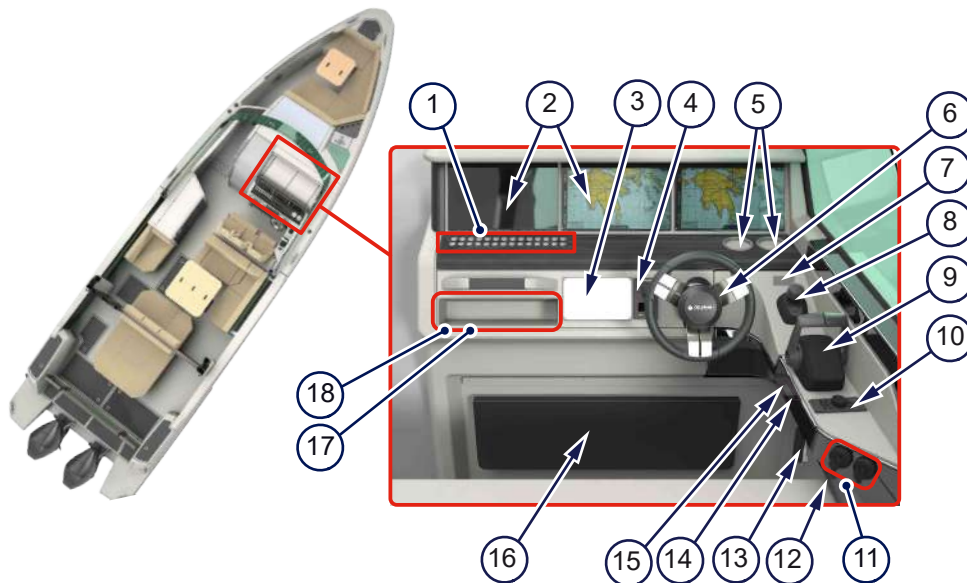


Figure 4.9 - Helm station controls

1	Boat system and equipment controls	10	Remote control for multifunction displays
2	Main multifunction displays	11	Ignition key switch (1 and 2)
3	Battery charging system display	12	Lanyard stop switch
4	Bow thruster control panel	13	VHF and AIS handset
5	Cup holders	14	Mercury diagnostic port
6	Steering wheel	15	SD card reader
7	Audio control switch	16	Foot rest
8	Mercury piloting joystick	17	Glove compartment and VHF radio speaker
9	Engine throttle and shift control	18	Mobile phone charger and USB outlet

### Learn more

- How to use the engine controls, lanyard stop switch and how to trim your boat: [3.2 Driving and steering](#) on page 20

### Related information

[5.2 Engine and steering system](#) on page 63

[5.6 Navigation equipment](#) on page 70

[5.7 Anchor system](#) on page 71

### 4.2.1.1 Navigation and lighting control panel

The navigation and lighting control panel controls navigation equipment, anchor, lights and bilge pumps.

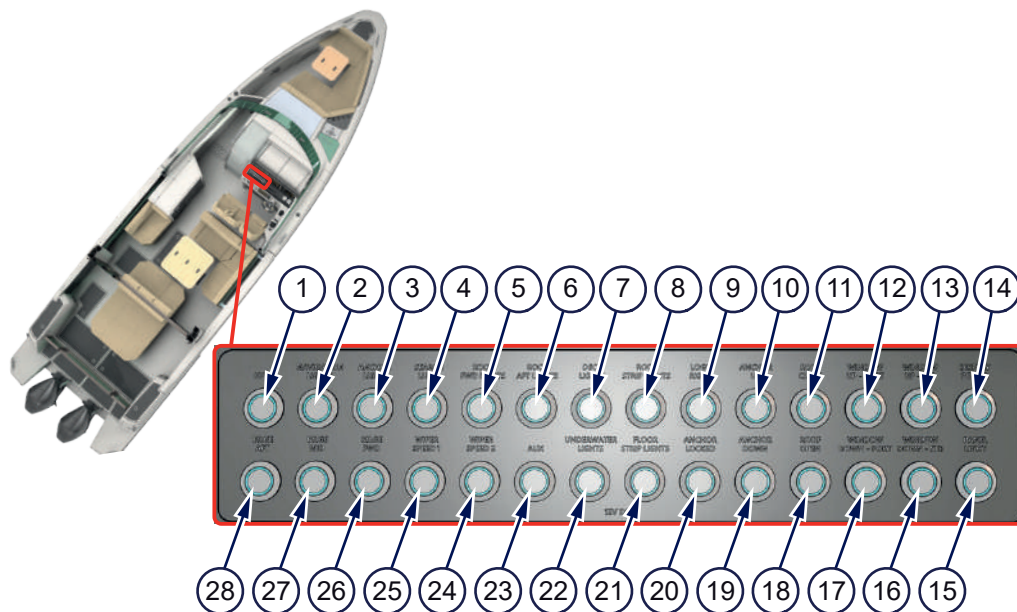


Figure 4.10 - Control functions on the navigation and lighting control panel

1	Horn	15	Panel light
2	Navigation lights	16	Starboard window down
3	Anchor light	17	Port window down
4	Search light	18	Roof open
5	Roof FWD lights	19	Anchor down
6	Roof AFT lights	20	Anchor locked
7	Deck lights	21	Floor strip lights
8	Roof strip lights	22	Underwater lights
9	Logo right	23	Auxiliary battery
10	Anchor up	24	Wiper speed 2
11	Roof close	25	Wiper speed 1
12	Port window up	26	Bilge pump FWD
13	Starboard window up	27	Bilge pump MID
14	Display power	28	Bilge pump FWD

#### Learn more

- When to use bilge pumps in case of flooding: [2.6.1 What if your boat is flooded?](#) on page 16
- Before departure checklist for navigation: [3.1 Get going!](#) on page 19

#### Related information

[5.4 Draining system](#) on page 66

[5.6 Navigation equipment](#) on page 70

[5.8.8 Lighting and audio](#) on page 78

## 4.2.2 Sofa and table control panel

You can change the seating direction of the electric sofa, as well as lift and lower the electric table from the sofa and table control panel.

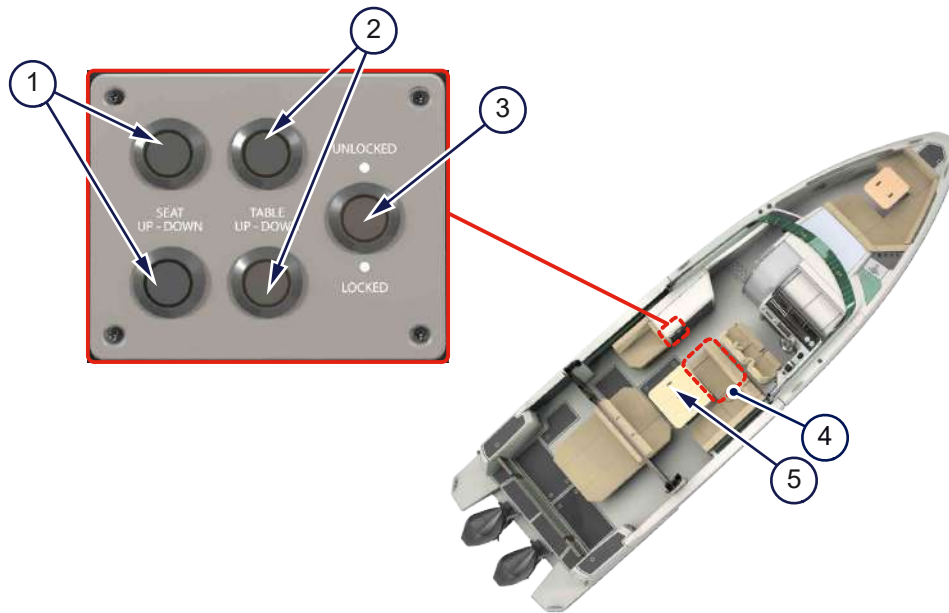


Figure 4.11 - Main cabin table control panel

- |   |                                 |   |                |
|---|---------------------------------|---|----------------|
| 1 | Electric sofa up / down         | 4 | Electric sofa  |
| 2 | Electric table up / down        | 5 | Electric table |
| 3 | Lock release for sofa and table |   |                |

### 4.2.3 Toilet compartment control panel

You can operate the toilet as well as the fresh and waste water pumps from the toilet compartment control panel.

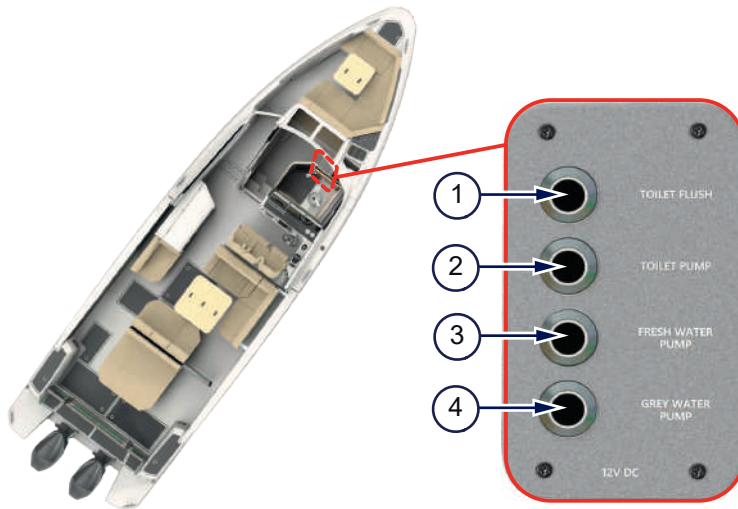


Figure 4.12 - Toilet compartment control panel

- |   |              |   |                  |
|---|--------------|---|------------------|
| 1 | Toilet flush | 3 | Fresh water pump |
| 2 | Toilet pump  | 4 | Grey water pump  |

#### Related information

[5.5 Fresh and waste water systems](#) on page 68

## 4.2.4 Side terrace control panel

You can operate the side terraces from the side terrace control panel.

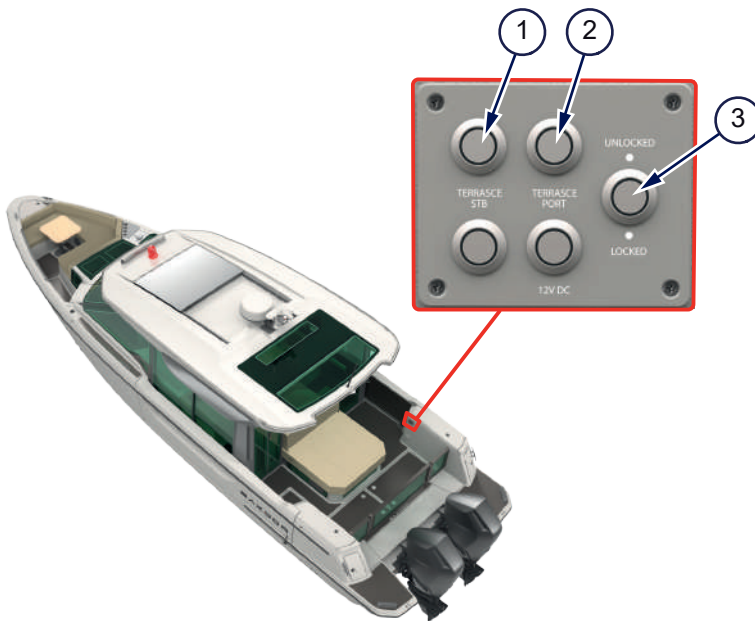


Figure 4.13 - Side terrace control panel

- |   |                           |   |                      |
|---|---------------------------|---|----------------------|
| 1 | Starboard terrace down/up | 3 | Terrace lock release |
| 2 | Port terrace down/up      |   |                      |

### Related information

[5.8.4 Side terraces](#) on page 75

## 4.2.5 Fuse panel

The fuse panel contains the fuses, switches and indicators for the electrical equipment on your boat.

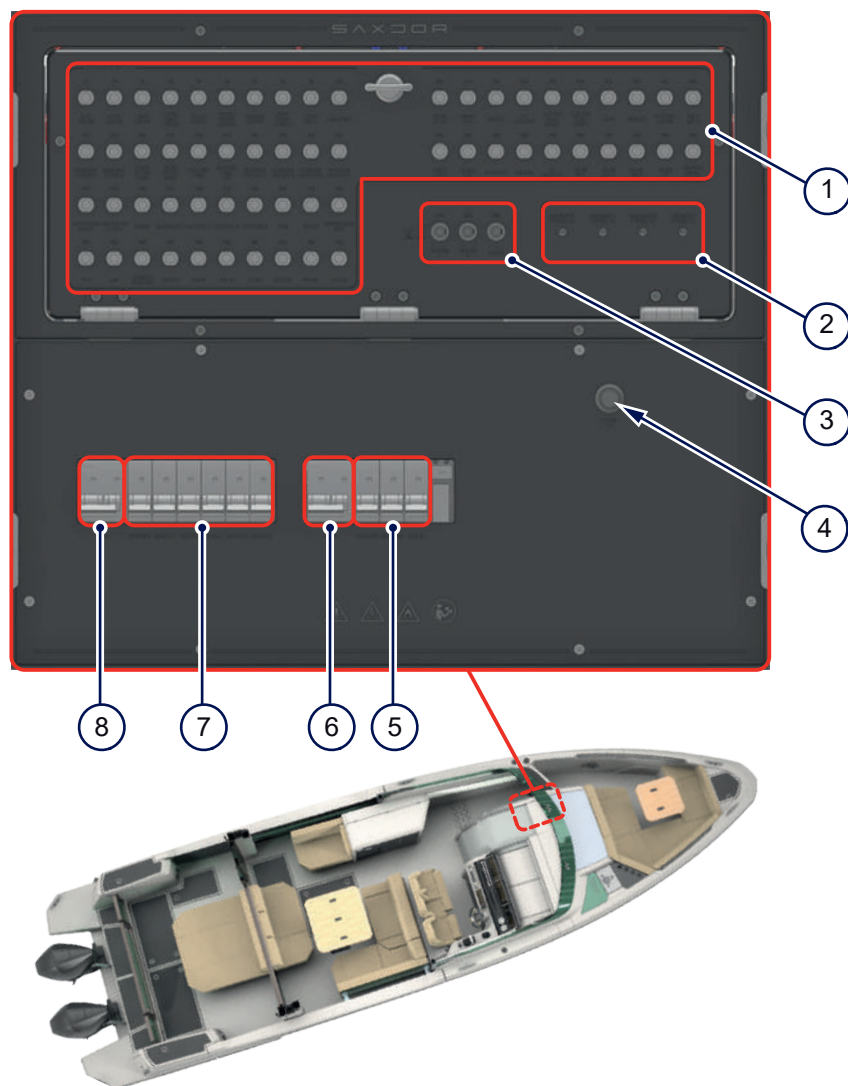


Figure 4.14 - Fuse panel

- |   |                             |   |  |
|---|-----------------------------|---|--|
| 1 | Fuses 12 V                  | 5 | 110 V or 230 V fuses for shore power 2             |
| 2 | Bilge pump indicator lights | 6 | Shore power 2 main switch / overcurrent protection |
| 3 | Fridge and stove buttons    | 7 | 110 V or 230 V fuses for shore power 1             |
| 4 | Water heater on/off         | 8 | Shore power 1 main switch / overcurrent protection |

## 4.2.6 Battery control panel

Check here the location of your boat's battery control panel. The panel contains the battery on/off switches. You can use the battery on/off switches to turn power off from the batteries to the equipment on your boat when you leave the boat unattended, and turn power on when you return.

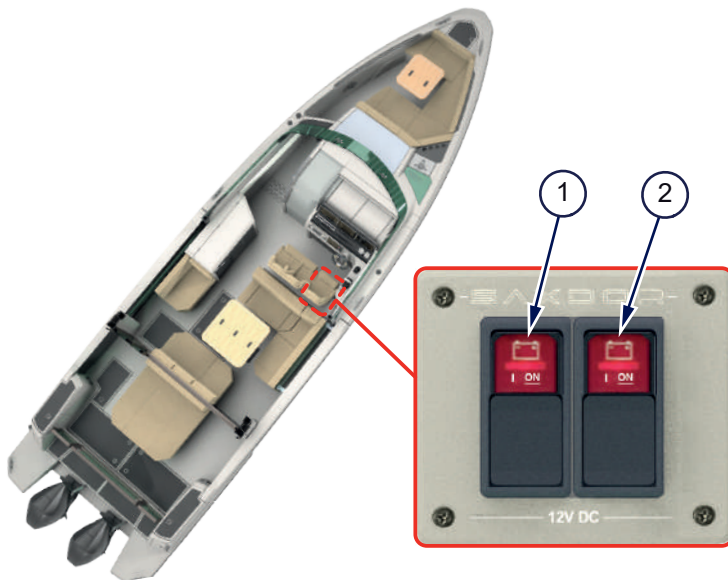


Figure 4.15 - Battery control panel

- 1 Switch for engine batteries and bow thruster batteries
- 2 Switch for house (auxiliary) batteries

### Related information

[5.1 Electrical system](#) on page 54

## 4.2.7 Shore power panel

Check here the location of the port and starboard shore power panels to connect your boat to shore power.

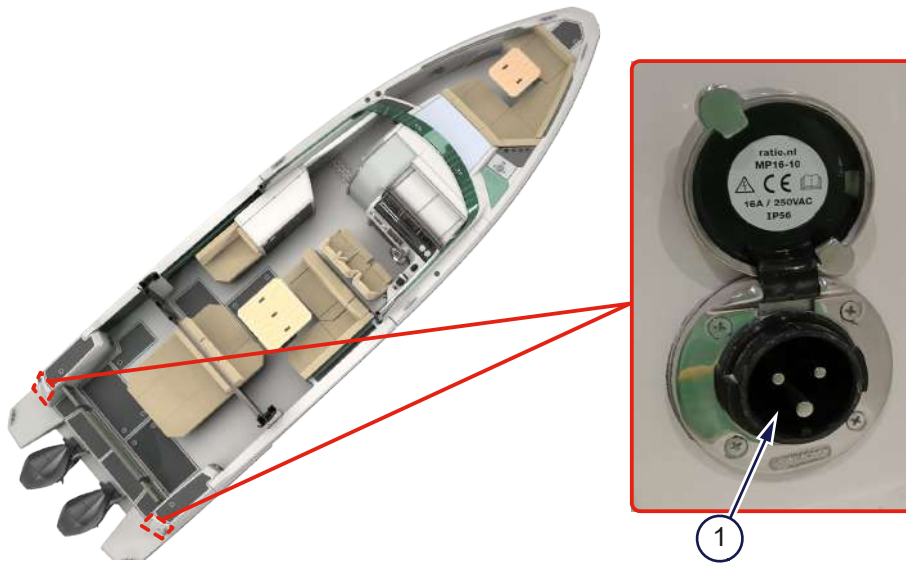


Figure 4.16 - Shore power panel

- 1 Shore power inlet

### Related information

[5.1.4 Shore power](#) on page 60



## 4.2.8 Cooktop control panel

You can use the cooktop control panel to operate the optional diesel-powered cooktop on the wet bar.

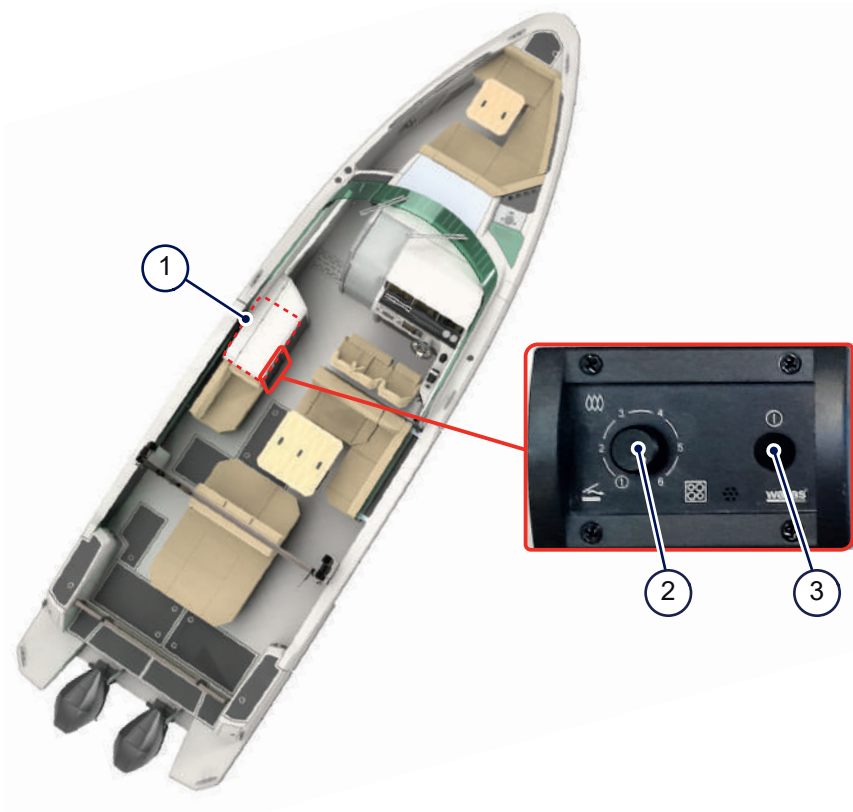


Figure 4.17 - Cooktop control panel

- |   |                      |   |                      |
|---|----------------------|---|----------------------|
| 1 | Cooktop              | 3 | Cooktop power on/off |
| 2 | Cooktop heat setting |   |                      |

Check the cooktop manufacturer's manual for more information on the features and the use of the equipment.

### Related information

[5.8.2 Wet bar and barbecue grill](#) on page 73

## 4.2.9 Temperature control panel

Check here the location of your boat's temperature control panel.

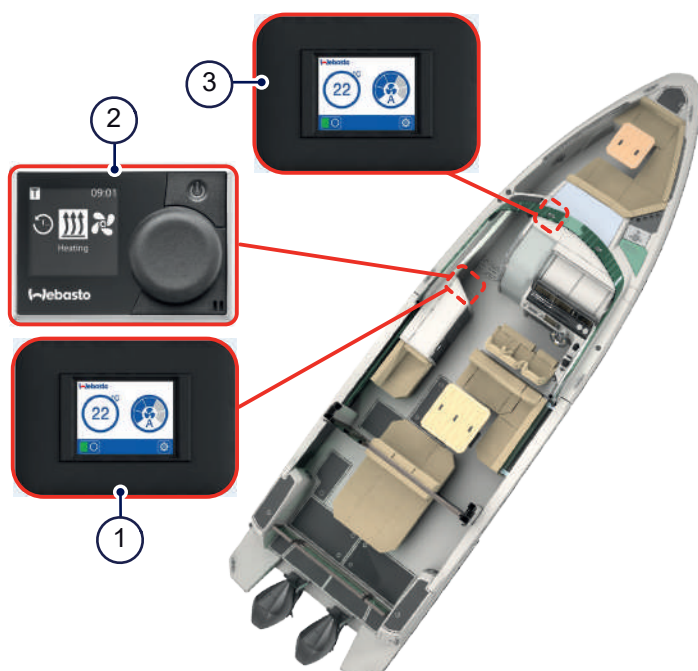


Figure 4.18 - Temperature control panel

- |  |   |
|--|---|
| <p>1 Temperature control panel for main cabin air conditioning (optional)</p> <p>2 Temperature control panel for heating</p> | <p>3 Temperature control panel for front cabin air conditioning</p> |
|--|---|

## 4.3 Builder's plate

Check here the location and details on the builder's plate on your boat.

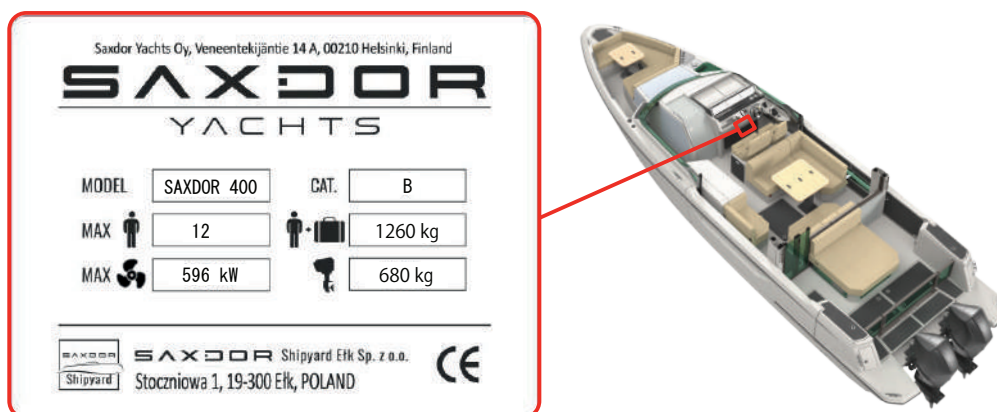


Figure 4.19 - Builder's plate



The maximum load indicated on the plate does not include fuel.

#### Learn more

- About the purpose of the builder's plate: [2.3 What is builder's plate?](#) on page 12

## 4.4 Safety on board

Check here the basic safety features on your boat.

### 4.4.1 Safety equipment and emergency exits

Check here the location of your boat's safety equipment and emergency exits.

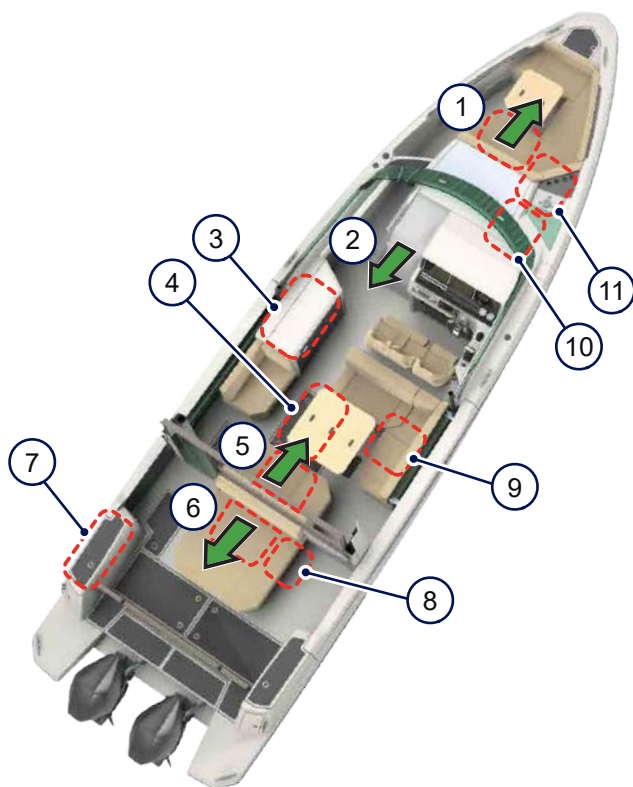


Figure 4.20 - Safety equipment and emergency exits

- |   |   |    |   |
|---|---|----|---|
| 1 | Emergency exit through the foredeck hatch (under the foredeck sofa) | 7  | Recommended location for the fire extinguisher in the aft storage                 |
| 2 | Emergency exit through the front cabin doorway                      | 8  | Recommended location for the smoke and CO detector in the aft cabin               |
| 3 | Recommended location for the fire blanket                           | 9  | Recommended location for the fire extinguisher in the sofa storage                |
| 4 | Recommended location for the life raft                              | 10 | Recommended location for the smoke and CO detector in the front cabin             |
| 5 | Emergency exit through the aft cabin doorway                        | 11 | Recommended location for the fire extinguisher in the wardrobe of the front cabin |
| 6 | Emergency exit through the aft deck hatch (under the aft deck sofa) |    |   |

## 4.4.2 Safe seating and moving areas

See where passengers are allowed be seated and move about in different situations.

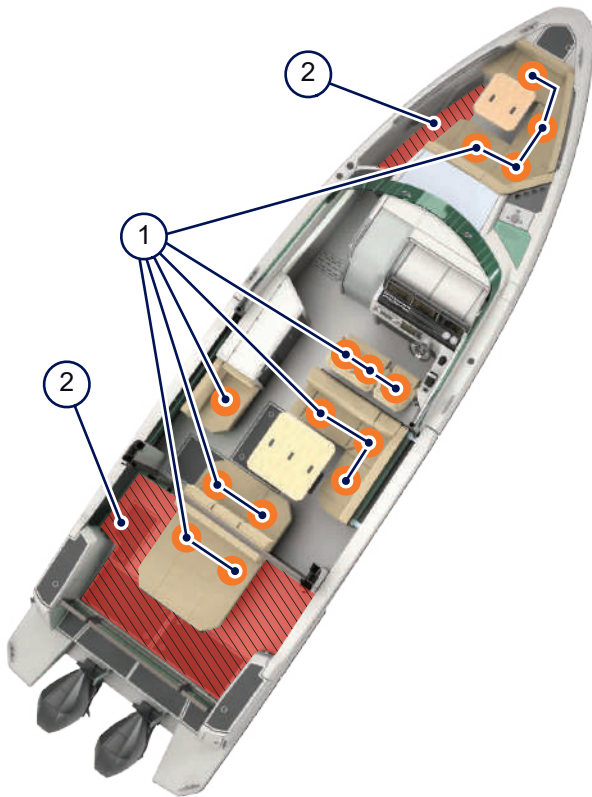


Figure 4.21 - Safe seating and moving areas

- 1 Allowed seating
- 2 Working deck area

### Learn more

- Limitations on the number of people on board: [2.4 What is design category?](#) on page 12
- Using the designated areas: [2.5.2 Move safely on board](#) on page 15
- How to recover people from the water: [2.6.2 Man overboard!](#) on page 17

### 4.4.3 Safety labels on board

The safety labels on your boat emphasize important safety precautions, which every crew member must pay attention to.

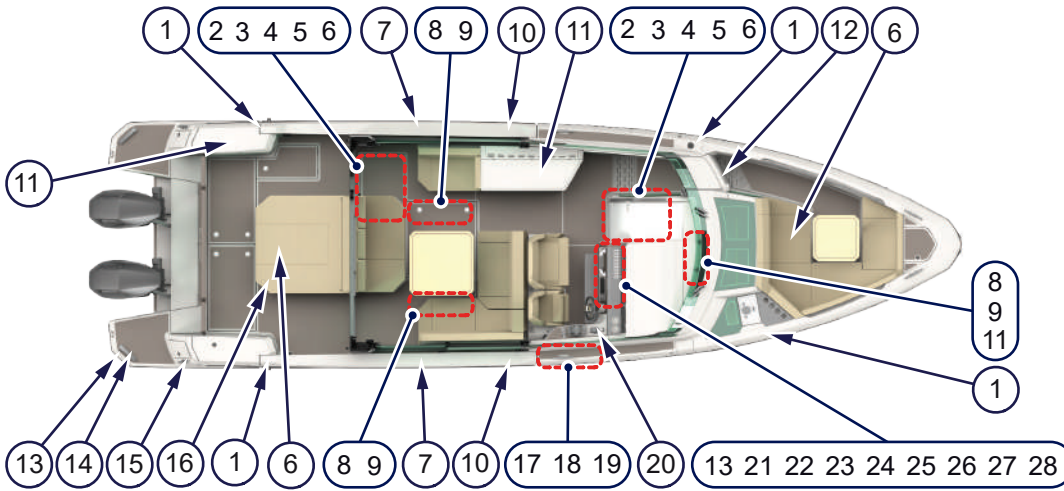


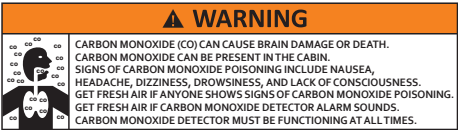
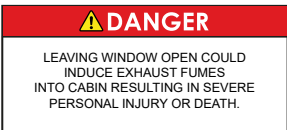
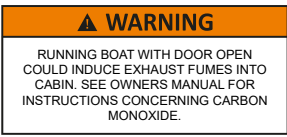



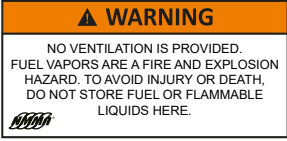



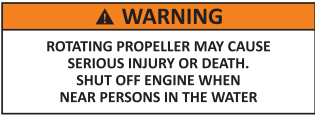
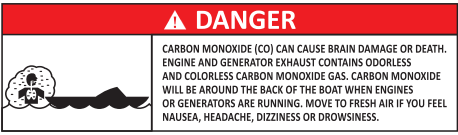

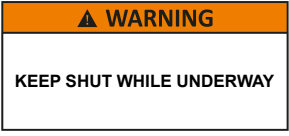
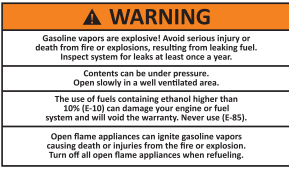


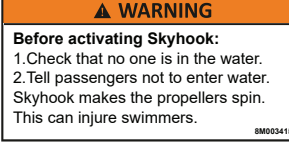


Figure 4.22 - Location of safety labels on your boat

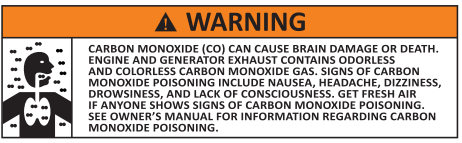
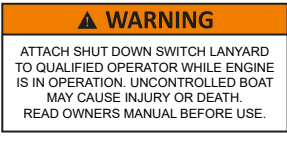


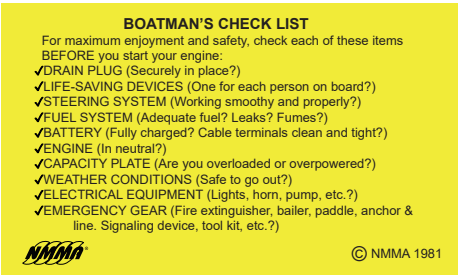
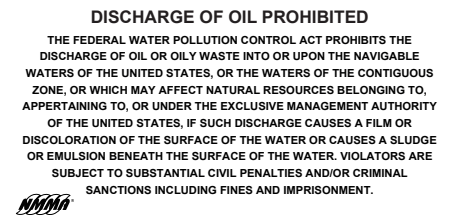
Table 4.1 - Safety labels on board


Num ber	Label	Clarification
1		Indicates a lifting point.
2		WARNING Keep stairs and door shut while underway.
3		WARNING Carbon monoxide (CO) can cause brain damage or death. Carbon monoxide can be present in the cabin. Signs of carbon monoxide poisoning include nausea, headache, dizziness, drowsiness, and lack of consciousness. Get fresh air if anyone shows signs of carbon monoxide poisoning. Get fresh air if carbon monoxide detector alarm sounds. Carbon monoxide detector must be functioning at all times.
4		DANGER Leaving window open could induce exhaust fumes into cabin resulting in severe personal injury or death.

Number	Label	Clarification
5		<p>WARNING</p> <p>Running the boat when the door marked with the warning is open could induce exhaust fumes into cabin. See the owner's manual for instructions concerning carbon monoxide.</p>
6		<p>Indicates a designated emergency exit.</p>
7		<p>The maximum load allowed on the bathing platform is 300 kg (660 lb).</p>
8		<p>Indicates the location of a fire extinguisher.</p>
9		<p>WARNING</p> <p>No ventilation is provided. Fuel vapors are a fire and explosion hazard. To avoid injury or death, do not store fuel or flammable liquids here.</p>
10		<p>STOP AQUATIC HITCHHIKERS</p> <p>Recreational boating may spread aquatic invasive species. Clean off visible aquatic plants, animals, and mud from the boat, engine, trailer, and equipment before leaving water access. Drain the engine, bilge, and other water containing devices. Let everything dry for at least five days or wipe with a towel before reuse.</p>
11		<p>WARNING</p> <p>The water in the fresh water system is non-potable. Do not drink it.</p>
12		<p>Indicates a risk of head injury due to reduced headroom.</p>
13		<p>WARNING</p> <p>A rotating propeller may cause a serious injury or death. Shut off the engine when there are people in the water near the boat.</p>

Number	Label	Clarification
14		<p><b>DANGER</b></p> <p>Carbon monoxide (CO) can cause brain damage or death. Engine and generator exhaust contains odorless and colorless carbon monoxide gas. Carbon monoxide will be around the back of the boat when engines or generators are running. Move to fresh air if you feel nausea, headache, dizziness or drowsiness.</p>
15		<p><b>WARNING</b></p> <p>Electrical shock and fire hazard. Failure to follow these instructions may result in injury or death.</p> <ol style="list-style-type: none"> <li>1. Turn off the boat's shore power connection switch before connecting or disconnecting the shore power cable.</li> <li>2. Connect the shore power cable at the boat first.</li> <li>3. If the polarity-warning indicator is activated, immediately disconnect the cables.</li> <li>4. Disconnect the shore power cable at the shore outlet first.</li> <li>5. Close the shore power inlet cover tightly.</li> </ol> <p>Do not alter the shore power cable connectors.</p>
16		<p><b>WARNING</b></p> <p>Keep the door shut when the boat is moving.</p>
17		<p><b>WARNING</b></p> <p>Gasoline vapors are explosive! Avoid serious injury or death from fire or explosions, resulting from leaking fuel. Inspect the system for leaks at least once a year.</p> <p>The contents can be under pressure. Open slowly in a well ventilated area.</p> <p>The use of fuels containing ethanol higher than 10% (E-10) can damage your engine or fuel system and will void the warranty. Never use (E-85).</p> <p>Open flame appliances can ignite gasoline vapors, causing death or injuries from fire or explosion. Turn off all open flame appliances when refueling.</p>
18		<p><b>WARNING</b></p> <p>Gasoline vapours may cause fires or explosions. Do not overfill the fuel tank. Keep the boat away from flames and sparks. Do not start the engine if liquid gasoline or vapours are present. Always replace the engine cover (or seat) before starting.</p>
19		<p><b>WARNING</b></p> <p>Leaking fuel can cause fire or explosion which may lead to serious injury or death.</p>
20		<p><b>WARNING</b></p> <p>Swimmers can be injured by the spinning propellers when Skyhook is activated.</p> <p>Before activating Skyhook, check that no one is in the water and tell the passengers not to enter water.</p>



Number	Label	Clarification
21		<p><b>WARNING</b></p> <p>Carbon monoxide (CO) can cause brain damage or death. Engine and generator exhaust contains odorless and colorless carbon monoxide gas. Signs of carbon monoxide poisoning include nausea, headache, dizziness, drowsiness, and lack of consciousness. Get fresh air if anyone shows signs of carbon monoxide poisoning. See the owner's manual for information regarding carbon monoxide poisoning.</p>
22		<p><b>WARNING</b></p> <p>Attach the shut down switch lanyard to a qualified operator while the engine is in operation. An uncontrolled boat may cause injury or death. Read the owner's manual before use.</p>
23		<p><b>WARNING</b></p> <p>A qualified operator must be in control at all times. Operation by an unqualified operator can cause loss of control. This may result in severe injury, death or property damage. Boat stability and handling will change with weight distribution. Read the owner's manual before use.</p>
24		<p><b>WARNING</b></p> <p>Use caution when a skier is in tow as the tow rope may backlash into the cockpit when released.</p>
25		<p><b>BOATMAN'S CHECKLIST</b></p> <p>For maximum safety and enjoyment, check each of the items listed on the label BEFORE you start your engine:</p> <ul style="list-style-type: none"> <li>• DRAIN PLUGS (Securely in place?)</li> <li>• LIFE-SAVING DEVICES (One for every person on board?)</li> <li>• STEERING SYSTEM (Working smoothly and properly?)</li> <li>• FUEL SYSTEM (Adequate fuel? Leaks? Fumes?)</li> <li>• BATTERY (Fully charged? Cable terminals clean and tight?)</li> <li>• ENGINE (In neutral?)</li> <li>• CAPACITY PLATE (Are you overloaded or overpowered?)</li> <li>• WEATHER CONDITIONS (Safe to go out?)</li> <li>• ELECTRICAL EQUIPMENT (Lights, horn, pump, etc. work OK?)</li> <li>• EMERGENCY GEAR (Fire extinguisher, bailer, paddle, anchor &amp; line, signaling device, tool kit, etc. OK and available on board?)</li> </ul>
26		<p><b>DISCHARGE OF OIL PROHIBITED</b></p> <p>The Federal Water Pollution Control Act prohibits the discharge of oil or oily waste upon or into any navigable waters of the United States, or the waters of the contiguous zone, or which may affect natural resources belonging to, appertaining to, or under the exclusive management authority of the United States, if such discharge causes a film or discoloration of the surface of the water or causes a sludge or emulsion beneath the surface of the water. Violators are subject to substantial civil penalties and/or criminal sanctions including fines and imprisonment.</p>

Number	Label	Clarification
27	<p style="text-align: center;"><b>▲ WARNING</b></p> <p>Death or serious injury can result if you fail to observe these safety rules:</p> <ul style="list-style-type: none"> <li>• Anyone who controls the boat should have taken a boating safety course and have trained in the proper operation of the boat.</li> <li>• Always operate the boat at speeds that will not put people or property in danger.</li> <li>• Be constantly aware of conditions in all directions when underway and before turning.</li> <li>• Reduce speed, use a lookout to identify possible hazards or difficulties, and turn on navigation lights when:                             <ul style="list-style-type: none"> <li>- visibility is impaired;</li> <li>- in rough water; and</li> <li>- in congested waterways.</li> </ul> </li> <li>• Watch your wake. It can capsize a small boat or damage moored boats or other property. You are responsible for damage caused by your wake.</li> </ul>	<p>WARNING</p> <p>Death or serious injury can result if you fail to observe these safety rules:</p> <ul style="list-style-type: none"> <li>• Anyone who controls the boat should have taken a boating safety course and have trained in the proper operation of the boat.</li> <li>• Always operate the boat at speeds that will not put people or property in danger.</li> <li>• Be constantly aware of conditions in all directions when underway and before turning.</li> <li>• Reduce speed, use a lookout to identify possible hazards or difficulties, and turn on navigation lights when:                             <ul style="list-style-type: none"> <li>◦ visibility is impaired;</li> <li>◦ in rough water; and</li> <li>◦ in congested waterways.</li> </ul> </li> <li>• Watch your wake. It can capsize a small boat or damage moored boats or other property. You are responsible for damage caused by your wake.</li> </ul>
28		<p>Label calling attention to reading the manual and paying attention to the warning labels.</p>

Check the equipment manufacturers' manuals for more information about safety precautions.

## 4.5 Hull and deck

See here the features and equipment on the hull and deck.

### 4.5.1 Attachment points

Your boat is equipped with cleats for mooring, towing and attaching the boat onto a trailer. You can also use removable fender cleats that allow you to hang fenders to protect the hull when docking.

**▲ CAUTION**

Risk of injury to people, risk of damage to your boat or other vessels.

The protruding fender cleats may collide with people or other boats when driving.

Remove the fender cleats before you drive.

**Learn more**

- About how to use the cleats and fenders: [3.3 Mooring, towing and anchoring](#) on page 23

## 4.5.2 Lifting points

Check here the approximate locations for the lifting points of your boat as measured from the end of the keel in the aft of the boat.

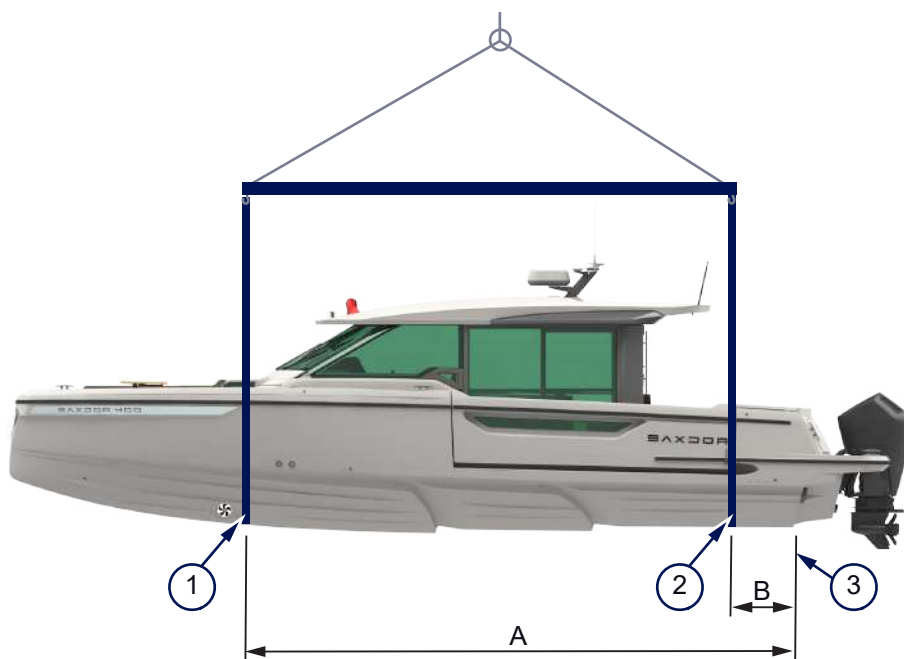


Figure 4.23 - Lifting points

- 1 Lifting point in the bow
- 2 Lifting point in the aft
- 3 Measuring point in the end of the keel

Table 4.2 - Lifting point locations

Dimension	Description	Value	
A	Minimum distance from the measuring point in the end of the keel to the lifting point in the bow	7.60 m	24.9 ft
B	Minimum distance from the measuring point in the end of the keel to the lifting point in the aft	0.80 m	2.6 ft

### Learn more

- How to lift your boat: [3.4 Lifting and trailering](#) on page 24

### 4.5.3 Hull openings

Your boat has a number of openings through the hull. Check here their locations.

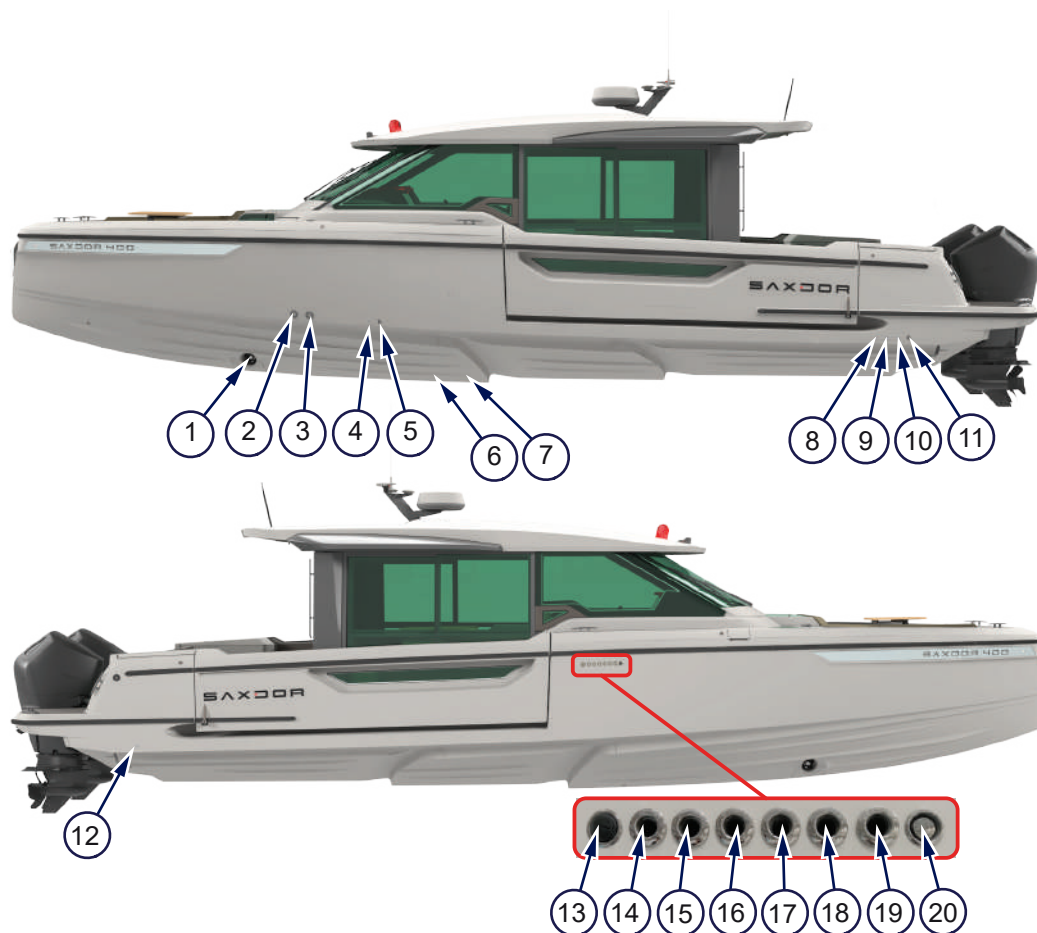


Figure 4.24 - Hull openings

- |    |                                  |    |  |
|----|----------------------------------|----|--|
| 1  | Bow thruster                     | 11 | Grey water tank seacock opening (option) |
| 2  | Deck draining seacock opening    | 12 | Heater vent                              |
| 3  | Deck draining seacock opening    | 13 | Fuel tank vent                           |
| 4  | Deck draining seacock opening    | 14 | Bilge pump draining opening              |
| 5  | Grey water seacock opening       | 15 | Bilge pump draining opening              |
| 6  | Air conditioner sea water intake | 16 | Bilge pump draining opening              |
| 7  | Black water seacock opening      | 17 | Bilge pump draining opening              |
| 8  | Deck draining seacock opening    | 18 | Bilge pump draining opening              |
| 9  | Deck draining seacock opening    | 19 | Manual bilge pump draining opening       |
| 10 | Grey water seacock opening       | 20 | Black water tank vent                    |

## 4.5.4 Hatches

The hatches provide you access to the cabins, the equipment and systems on your boat. Some of them also act as storage space and emergency exits.

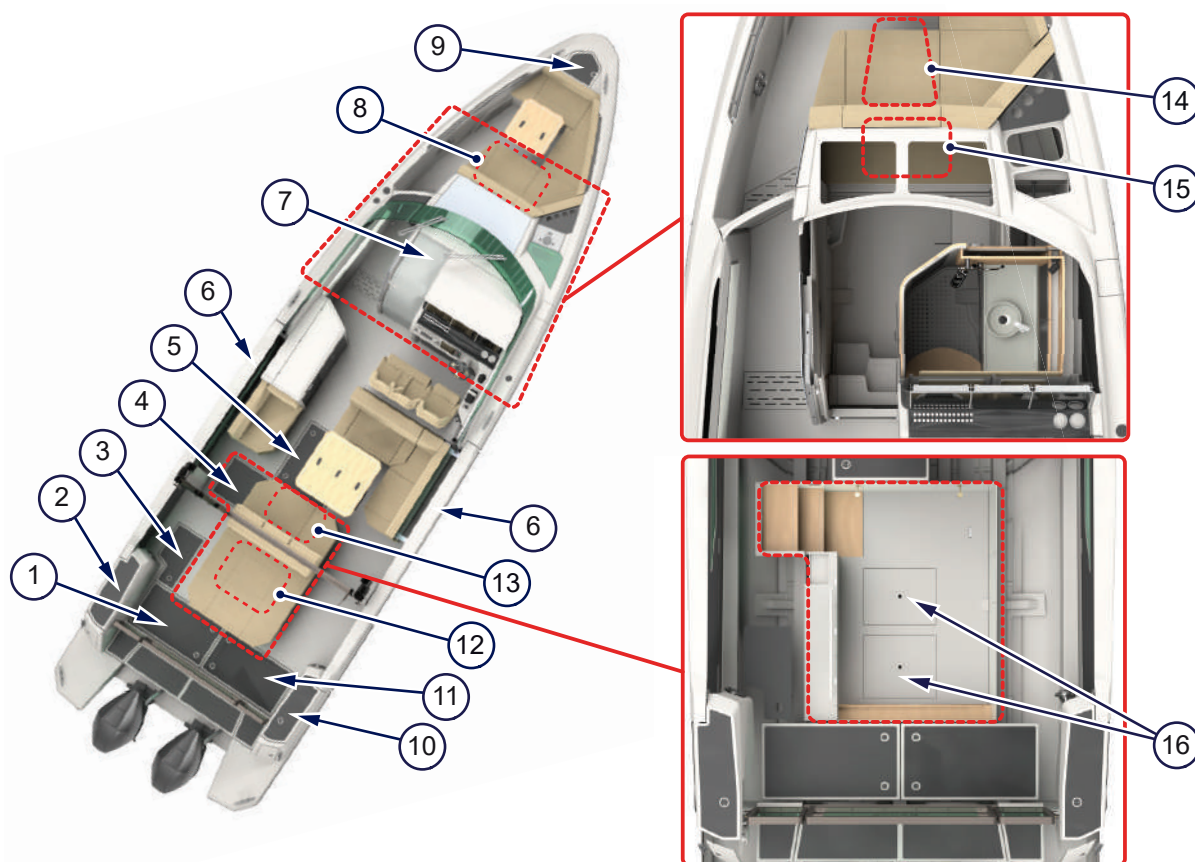


Figure 4.25 - Hatches

- |   |  |    |   |
|---|--|----|---|
| 1 | Aft technical compartment (batteries)          | 9  | Anchor box hatch  |
| 2 | Hatch to water tap, sink and barbecue grill    | 10 | Hatch for the diesel fuel inlet   |
| 3 | Storage / cooler box hatch                     | 11 | Aft technical compartment (generator replacement system, batteries)       |
| 4 | Access hatch to the aft cabin                  | 12 | Emergency exit from the aft cabin   |
| 5 | Technical hatch (fuel tank access and storage) | 13 | Aft cabin door and doorway (emergency exit)                               |
| 6 | Side terraces                                  | 14 | Storage hatch in the front cabin  |
| 7 | Front cabin door and doorway (emergency exit)  | 15 | Front cabin technical compartment (bow thruster and anchor winch battery) |
| 8 | Emergency exit from the front cabin            | 16 | Storage hatches in the aft cabin  |

### Related information

[4.4.1 Safety equipment and emergency exits](#) on page 44

[5.1 Electrical system](#) on page 54

[5.7 Anchor system](#) on page 71

[5.8.6 Bathing ladder](#) on page 77

## 5 The how of your boat

Learn here how the different systems on your boat work and how to use them.

If you need more detailed, step-by-step instructions in using the equipment, refer to the equipment manufacturer's manuals provided in the Saxdor documentation bag.

### 5.1 Electrical system

The electrical system of your boat consists of a state-of-the-art power package which covers your power needs onshore and offshore.



Risk of electric shock, fire or explosion.

Remember that water and electricity are a bad combination.

Let only a competent marine electrical technician carry out any installation, alteration or maintenance work to the electrical system.

The power package is a combination of batteries, shore power and the components of the generator replacement system. The NMEA network connects the different components of your power package. You can monitor the operation of the power package with an application on the multifunction display in the cockpit.



The less you use the electrical equipment on your boat, the longer the system can give you power.

Check here the different components of the electrical system.

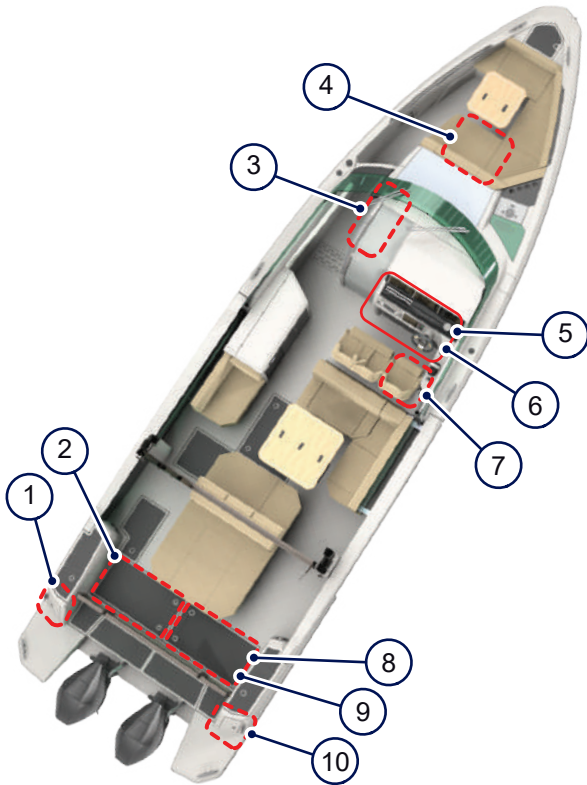


Figure 5.1 - Electrical system

- |   |                                       |    |   |
|---|---------------------------------------|----|---|
| 1 | Shore power panel 1                   | 6  | Application on the multifunction display          |
| 2 | Auxiliary batteries                   | 7  | Battery control panel                             |
| 3 | Fuse panel                            | 8  | Generator replacement system and engine batteries |
| 4 | Bow thruster and anchor winch battery | 9  | Service battery                                   |
| 5 | Battery charging system display       | 10 | Shore power panel 2                               |

### Related information

[4.2.5 Fuse panel](#) on page 38

[4.2.6 Battery control panel](#) on page 39

## 5.1.1 Main switches and indicators

The front cabin fuse panel contains main switches and indicators for the equipment on your boat.

The shore power main switch needs to be on when connecting to shore power. In addition, the main switch protects the boat from an overcurrent fault and a ground fault.



The backup power supply from the starboard engine battery powers up only the priority equipment. Other equipment get the power from their dedicated batteries.

## Related information

[4.2.5 Fuse panel](#) on page 38

### 5.1.1.1 Switching power on and off

To save battery power and for safety reasons, always switch the power off when you leave your boat unattended and switch the power on when you return.

#### CAUTION

Risk of electric shock.

Do not touch the batteries or electric connections.



To keep the boat afloat and for safety reasons, the priority equipment (bilge pump, fire protection and alarm equipment) keep on operating even when you switch the power off.



- When you leave the boat, use the on/off switches on the battery control panel to switch off power supply from the batteries to the equipment on your boat.
- When you return to the boat, use the on/off switches on the battery control panel to switch on the power supply.

## Related information

[4.2.6 Battery control panel](#) on page 39

### 5.1.2 Fuses

The front cabin fuse panel on your boat contains separate fuses for the 12 V battery power and for the 110 V or 230 V shore power.

#### NOTICE

Risk of short circuit, overcurrent and damage to the equipment.

Make sure the amperage of the connected appliances does not exceed the amperage marked on the fuse.

Make sure the equipment and appliances on your boat are intact and properly connected.

- The 12 V fuses are connected to the different equipment and functions on your boat, such as lights, side terraces, radar, autopilot and water pumps.
- The main supply fuses are connected to the fridges and batteries.
- The priority fuses are connected to the priority equipment: bilge pump, fire protection and navigation lights. These systems require constant power supply. The systems stay on even when you switch off



the power supply to the other equipment from the battery control panel when you leave the boat unattended.



The smoke detector and the carbon monoxide detector have their own batteries as a backup in case of a power failure.

- DSF1#1 is the direct supply fuse, MSF1#1 the main supply fuse and MF1#1 the service main fuse.
- The shore power 110 V or 230 V fuses are connected to the battery charger, inverter, power outlets, electrical cooktop and air-conditioner unit. In addition, the shore power fuses protect these devices from an overcurrent fault.

### Related information

[4.2.5 Fuse panel](#) on page 38

[4.2.6 Battery control panel](#) on page 39

## 5.1.2.1 Resetting tripped fuses

There are two types of fuses on your boat. Each type indicates the tripping differently and need to be reset differently.

When a 12 V DC fuse is tripped:

- The fuse button is up

When a 110 V / 230 V AC fuse is tripped:

- The switch in the fuse is down
- The indicator in the fuse is green

### CAUTION

Risk of electric shock or damage to the equipment.

Before you reset the fuse, find out why it has tripped.



1. Reset the fuse:
  - Press the button of the 12 V DC fuse down.
  - Flip the switch of the 110 V / 230 V AC fuse up. The indicator in the fuse turns red.
2. Check that the equipment or appliances connected to the fuse work properly. If the problem persists, contact a qualified nautical electrician.

### Related information

[4.2.5 Fuse panel](#) on page 38

## 5.1.3 Batteries

The batteries give your boat 12 V DC power when used offshore.

**⚠ WARNING**

Risk of electric shock, battery overheating, explosion, fire or harmful gases.

Do not block the battery ventilation.



You can monitor the power use and the battery capacity from an application on the multifunction display on the helm station.

There are several batteries on your boat, depending on the level of equipment you have chosen.

In the aft technical compartment:

- Two engine batteries power up the engines on your boat. Each engine has its own battery.
- The domestic service (house) batteries power up the other equipment on your boat.
- The battery pack of the optional generator replacement system can include two to four batteries, depending on your options.

In the cabin technical compartment (under the bed in the front cabin):

- The auxiliary battery powers up the bow thruster and the anchor winch.

Check the battery manufacturer's manual for more details/information about the batteries and their maintenance.

The battery hub manages the batteries. If the domestic batteries are empty, you can use the start batteries as a backup by switching their parallel switches ON in the battery hub.

The emergency parallel switches for the start batteries can be used in an emergency but only after starting the engines. If a starting battery is empty, you can also use its emergency parallel switch to connect it in parallel with the domestic batteries.

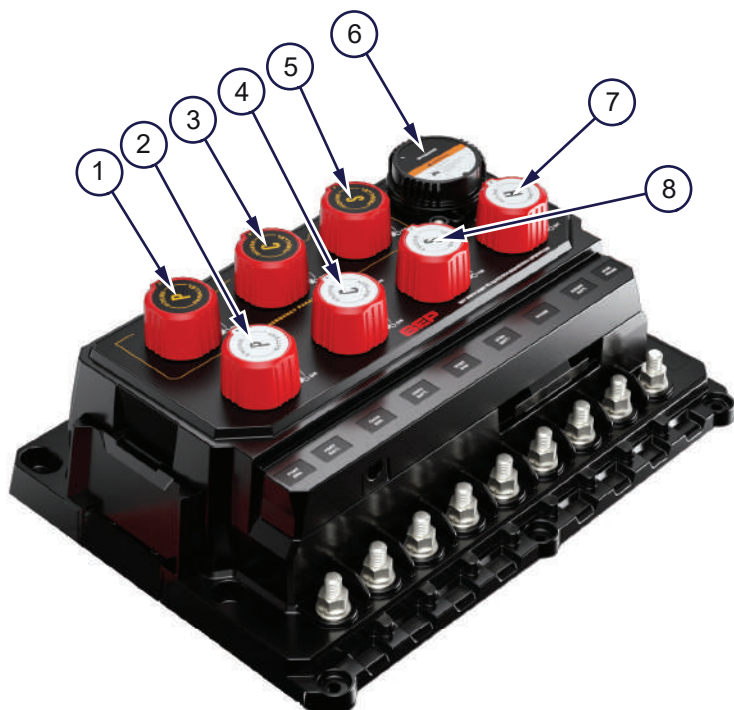


Figure 5.2 - Battery hub

- |   |   |   |  |
|---|---|---|--|
| 1 | Emergency parallel switch for port engine battery                   | 5 | Emergency parallel switch for starboard engine battery |
| 2 | Parallel switch for port engine battery                             | 6 | Fuse cover   |
| 3 | Emergency parallel switch for bow thruster and anchor winch battery | 7 | Parallel switch for house batteries                    |
| 4 | Parallel switch for bow thruster and anchor winch battery           | 8 | Parallel switch for starboard engine battery           |

### Related information

[4.2.5 Fuse panel](#) on page 38

[4.2.6 Battery control panel](#) on page 39

### 5.1.3.1 Charging batteries

The batteries charge automatically when the engines are running or when your boat is connected to the shore power.

#### **⚠ WARNING**

Risk of electric shock, battery overheating, explosion, fire or harmful gases.

Do not use external charger on the boat.



- If there is a problem with the battery charging, call a qualified nautical electrician.

## 5.1.4 Shore power

When onshore, you can run your boat's equipment and charge the batteries with the 110 V or 230 V alternative current (AC) shore power.

The shore power saves you fuel as you do not need to run your engines to charge the batteries.

You can connect your boat from an external power source on shore to a shore power inlet on your boat with the shore power cable.

### Related information

[4.2.7 Shore power panel](#) on page 40

### 5.1.4.1 Connecting shore power

Follow this procedure to connect the shore power cable to your boat.

**⚠ DANGER**

Risk of death, electric shock or injury.

Connect the shore power cable first to your boat and only then to the power supply onshore.

If you connect the cable in the wrong order and the live power cable comes into contact with water, people on board, nearby swimmers and marine life will be exposed to a potentially lethal electric shock.

**⚠ DANGER**

Risk of death, electric shock, injury or fire.

Do not alter shore power cable connectors. Use only cable connectors that are compatible with the shore power inlet on your boat.

Disconnect the shore power connection when the system is not in use.



1. Check that the shore power main switch / overcurrent protection switch on the fuse panel is switched on.
2. Check that the shore power cable is intact.
3. Connect the shore power cable first to the inlet on the shore power panel on your boat and then to the power source at the dock.
4. Disconnect the shore power cable first from the shore power source and then from the shore power inlet on your boat.

### Related information

[4.2.5 Fuse panel](#) on page 38

[4.2.7 Shore power panel](#) on page 40

## 5.1.5 Generator replacement system

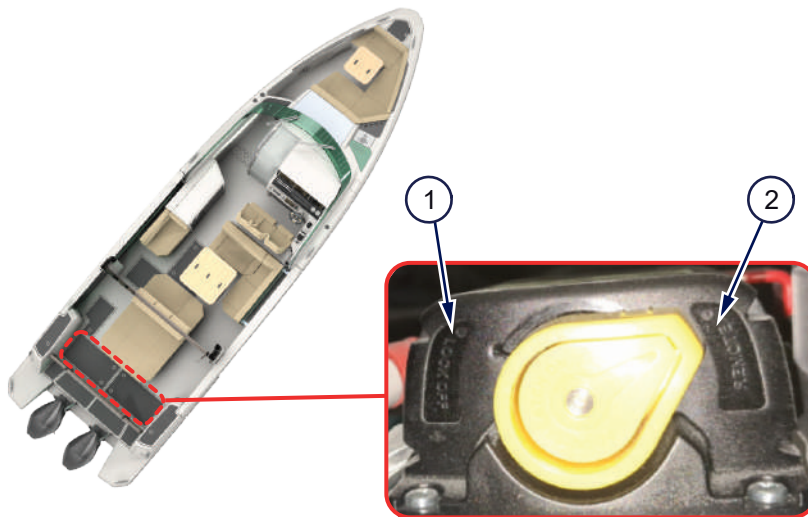
The optional generator replacement system gives you extended use of 110 V or 230 V power to run the electrical appliances and equipment on your boat when you have no access to shore power.

The generator replacement system is located in the aft technical compartment. The system consists of a high-capacity 500 Ah battery pack (can be expanded to 1000 Ah) and a charger / inverter unit. Depending on your choice of equipment, the optional shore power can be used to charge the battery pack of the system.

You can monitor the charge level of the battery pack and the status of the generator replacement system with an application on the multifunction display on the helm station.

It is important to monitor the charge level, since the bilge pumps run on the battery pack power. If the charge level of the battery pack of the generator replacement system runs too low, or if there is a fault in the system, the system shuts itself down automatically. When shutting down, the safety relay switch of the battery pack switches automatically to the OFF position and the bilge pumps shut down, too.

When the boat is not used for an extended period of time, put the safety relay switch to the OFF position.



*Figure 5.3 - Battery pack safety relay switch*

- 1 Safety relay switch in OFF position
- 2 Safety relay switch in REMOTE position

Check the manufacturer's manuals for details of the components of the generator replacement system.

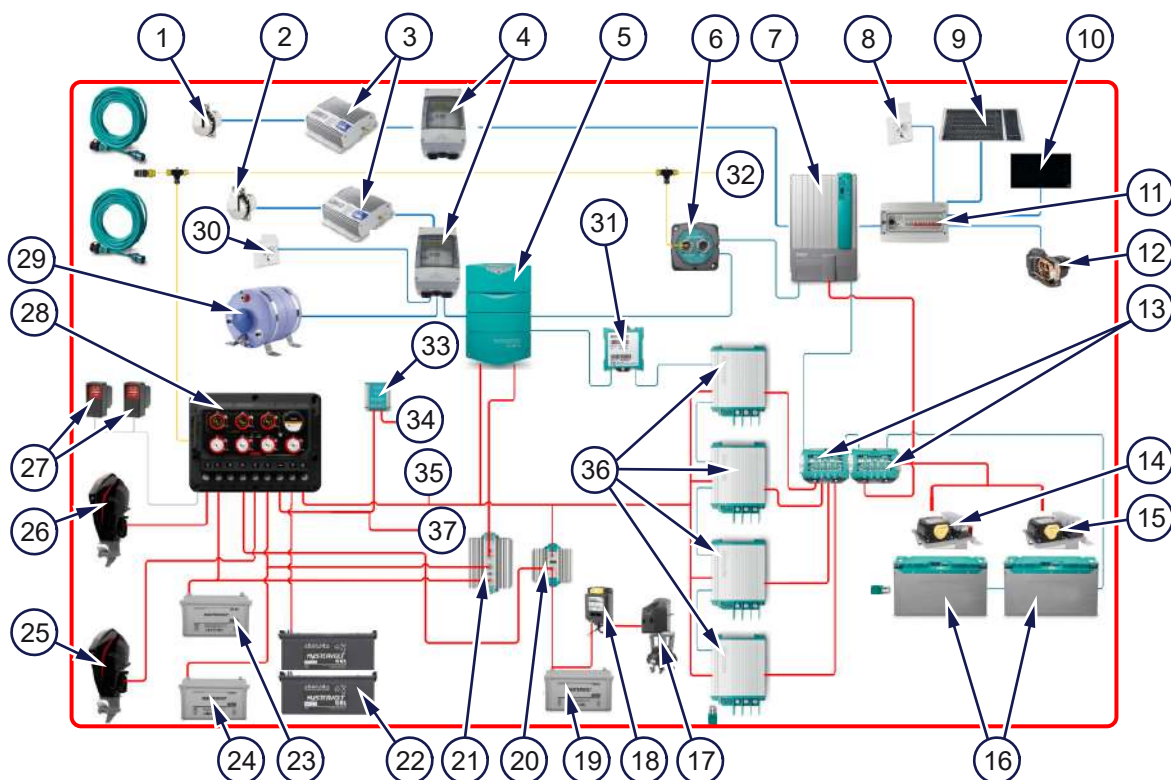


Figure 5.4 - Electrical system and generator replacement system

- |    |   |    |                                    |
|----|---|----|------------------------------------|
| 1  | Shore power inlet 1                               | 20 | Charging relay                     |
| 2  | Shore power inlet 2                               | 21 | Battery isolator                   |
| 3  | Galvanic isolators                                | 22 | Domestic service (house) batteries |
| 4  | Inlet fuse boxes                                  | 23 | Port engine battery                |
| 5  | Battery charger                                   | 24 | Starboard engine battery           |
| 6  | Czone bridge                                      | 25 | Starboard engine                   |
| 7  | Generator replacement system charger / inverter   | 26 | Port engine                        |
| 8  | Sockets   | 27 | Battery switches                   |
| 9  | Grill   | 28 | Battery management system          |
| 10 | Stove   | 29 | Boiler                             |
| 11 | Fuse box  | 30 | Sockets                            |
| 12 | Air conditioning                                  | 31 | Fuse box                           |
| 13 | DC distribution unit                              | 32 | Connection to navigation network   |
| 14 | Safety relay switch                               | 33 | DC-DC converter                    |
| 15 | Safety relay switch                               | 34 | Power for navigation network       |
| 16 | Generator replacement system battery pack         | 35 | DC power supply                    |
| 17 | Bow thruster / Anchor winch                       | 36 | DC-DC converters                   |
| 18 | Bow thruster and anchor winch fuse switch         | 37 | Switched-mode DC power supply      |
| 19 | Auxiliary battery for bow thruster / anchor winch |    |                                    |

### Related information

[4.2.5 Fuse panel](#) on page 38

## 5.2 Engine and steering system

You can steer the boat and control the engines, the Zipwake system and the bow thruster from the helm station controls.



Figure 5.5 - Engine and steering

- |   |                 |   |   |
|---|-----------------|---|---|
| 1 | Twin engines    | 3 | Engine, zip wake system and bow thruster controls |
| 2 | Zip wake system | 4 | Bow thruster                                      |

### Learn more

- How to use the engine controls, lanyard stop switch and how to trim your boat: [3.2 Driving and steering](#) on page 20

### Related information

[4.2.1 Helm station controls](#) on page 33

### 5.2.1 Engine

The engine on your boat is a powerful, industry-leading outboard engine.

Before using the engine, check the engine manufacturer's manual for more detailed instructions for use and maintenance.

You can check your boat's engine model and serial number from the label on the engine. See Technical specification for the make and type of the engine(s) on your boat.

**NOTICE**

Risk of damage to the hull or engine fixing points.

Do not exceed the maximum engine power shown on your boat's builder's plate.

### 5.2.1.1 Starting the engine

Read the engine manufacturer's manual before starting the engine.

**NOTICE**

Neglecting the break-in period for a new engine may cause engine damage or result in poor engine performance.

For instructions for breaking in the engine as well as other more detailed instructions for using the engine, check the engine manufacturer's manual.



1. Before starting the engine, make sure there are no fuel or oil leaks and there is enough fuel in the tank.
2. Turn on the main switch.
3. Set the lanyard stop switch to the RUN position.
4. Check that the gear shift is in neutral.
5. Start the engine as described in the engine manufacturer's manual. If your boat has two engines, make sure to start them both.

### 5.2.2 Zipwake system

The Zipwake system controls the trimming and the running angle of your boat automatically to give you a smooth ride.

#### Learn more

- About the basics of trimming on your boat: [3.2 Driving and steering](#) on page 20

### 5.2.3 Bow thruster

A bow thruster provides lateral thrust and thus makes your boat easier to maneuver when docking and undocking.

The bow thruster shuts off automatically in 6 to 9 minutes after last use. Check the bow thruster manufacturer's manual for more details.

## 5.3 Fuel system

Your boat's engines run on gasoline. The optional heater system is powered by diesel fuel.

**⚠ WARNING**

Hot engine parts could cause a fire if in contact with flammable materials.

Store equipment that contains gasoline only in compartments designed for this purpose.



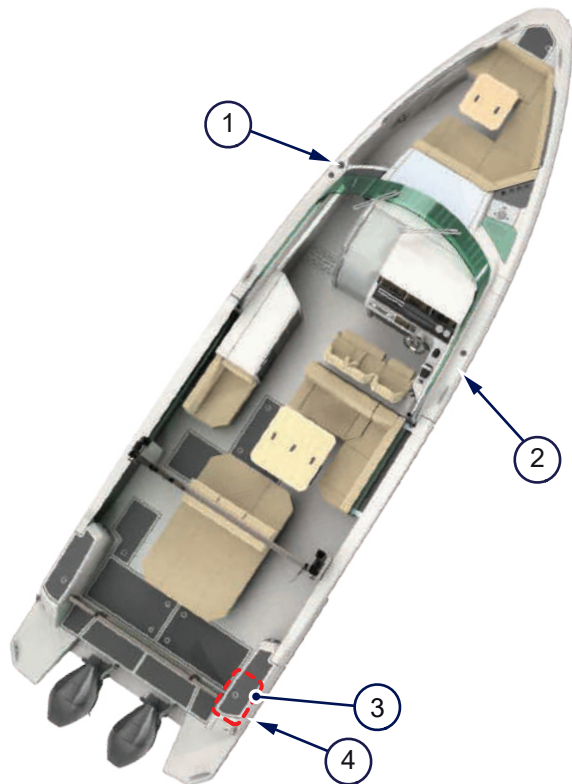


Figure 5.6 - Fuel system

- |   |                                   |   |                                 |
|---|-----------------------------------|---|---------------------------------|
| 1 | Gasoline fuel filling inlet       | 3 | Diesel fuel filling inlet       |
| 2 | Gasoline tank ventilation opening | 4 | Diesel tank ventilation opening |

You can monitor the fuel level in the tanks on the multifunction display. Always use high-quality fuels that meet the requirements stated in the engine and heater manufacturer's manuals.

**CAUTION** Risk of fire, explosion or material damage.

Avoid damaging the fuel lines on your boat. Pay attention to the location and condition of the fuel lines.

Check the engine and heater manufacturer's manuals for more information on:

- Instructions for use and care
- Detailed refueling instructions
- Suitable fuel types

#### Learn more

- How to minimize risk of fire: [2.5.3 Don't play with fire](#) on page 15

## 5.4 Draining system

Your boat's draining system consists of an automatic bilge pump system with electric bilge pumps, a manual bilge pump and a draining system with drainage holes on the deck for rain water and wave splashes.



The draining system is not foolproof! The bilge pump system is not designed to pump out large amounts of water.

See the bilge pump manufacturer's manuals for instructions on how to use and maintain the pumps.

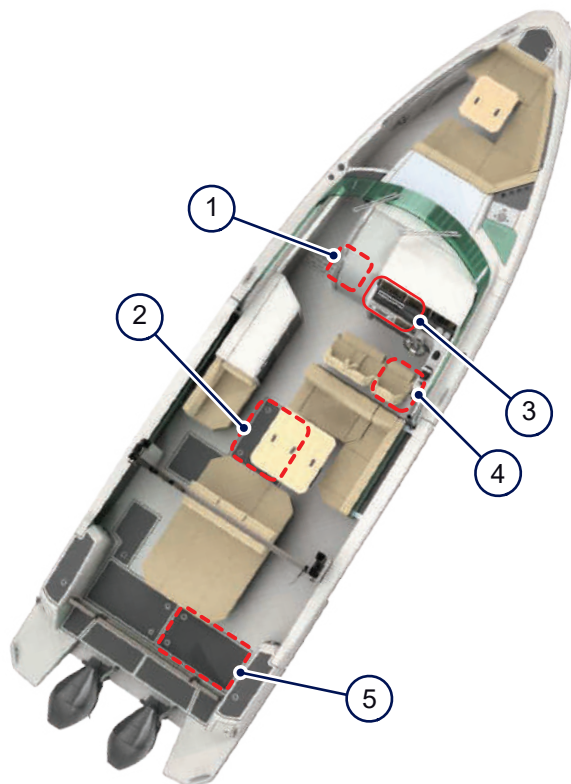


Figure 5.7 - Manual and automatic bilge pumps and controls

- |   |   |   |   |
|---|---|---|---|
| 1 | Access to FWD bilge pump in the bow of the boat     | 4 | Manual bilge pump                               |
| 2 | Access to MID bilge pump in the midship of the boat | 5 | Access to AFT bilge pump in the aft of the boat |
| 3 | FWD, MID and AFT bilge pump controls                |   |   |

### Learn more

- How to ensure stability: [2.5.1 Avoid flooding and capsizing](#) on page 13

### Related information

[4.5.3 Hull openings](#) on page 52

## 5.4.1 Using bilge pumps

If there is water in the bilge, the automatic bilge pump system activates and pumps out any extra water buildup from the bilge.

Normally, you don't need to do anything other than monitor the water buildup. The automatic bilge pumps detect water in the bilge and automatically pump out water when required.

You can also control the automatic bilge pump system from the Navigation and lighting control panel on the steering console. A light on the panel is lit when the pump is on.



- Start the automatic pump from the panel if water starts building up.

### **⚠ WARNING**

The boat can sink if too much water gets into the boat.

If you suspect a leak, find out the reason and go ashore as soon as possible. The bilge pump system is not designed to pump out large amounts of water.

If there is a rapid increase in water accumulation, call rescue service.

### Related information

[4.2.1.1 Navigation and lighting control panel](#) on page 34

## 5.5 Fresh and waste water systems

Your boat can be equipped with a fresh water system and a waste water system. Depending on your choice of equipment, the waste water system can consist of separate grey water and black water systems.

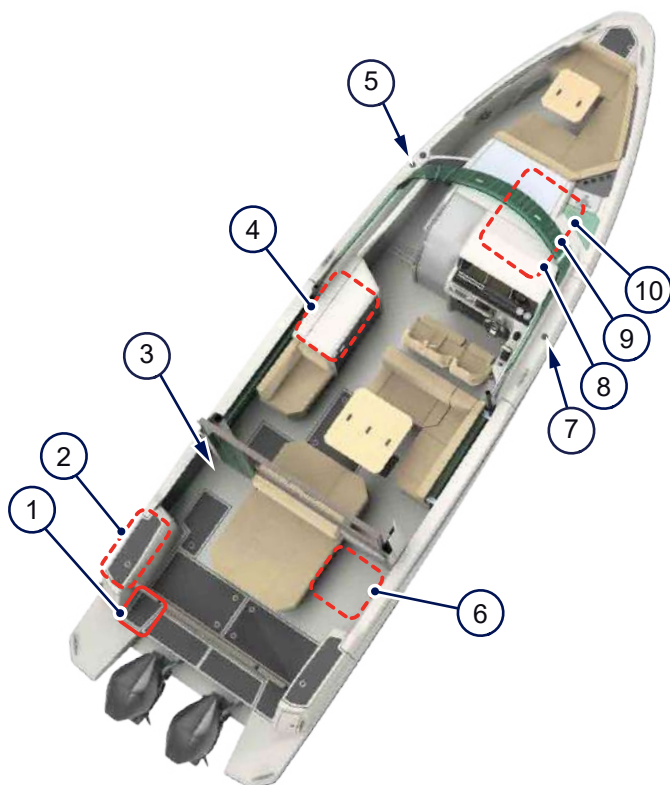


Figure 5.8 - Fresh, grey and black water systems

1	Fresh water shower and control panel	6	Water heater (access from the aft cabin)
2	Fresh water tap and sink	7	Black water discharge outlet
3	Grey water discharge outlet	8	Toilet and toilet compartment control panel
4	Fresh water tap and sink in wet bar	9	Fresh water tap, sink and bidet shower in toilet compartment
5	Fresh water filling inlet	10	Fresh water shower in the toilet compartment

The fresh, grey and black water systems have each their own plumbing and tanks.

- The fresh water system provides water to the shower on the bathing platform, to the shower and bidet shower in the toilet compartment, and to the taps in the wet bar and in the toilet compartment.
- The water heater provides hot water. It operates on shore power only.
- The grey water system collects waste water from the shower in the toilet compartment as well as from the sinks in the toilet compartment and wet bar. In addition, the grey water system collects the condensation water from the optional air conditioning equipment.
  - The grey water runs from the sinks to the holding tanks below the sinks, and from the toilet compartment shower to the holding tank under the front cabin stairs.
  - Use the **Grey water pump** button on the toilet compartment control panel to pump the grey water from the holding tanks to the separate grey water tank. Use the pump regularly to ensure the grey water system works properly.

- The black water system collects the waste water from the toilet.
- The toilet operates with electricity or manually, depending on your choice of equipment. The electrical toilet uses fresh water for flushing, and the manual toilet uses sea water or lake water for flushing.



When you leave the boat unused for a longer period of time or store the boat over winter, the fresh and waste water systems will build up bacteria and impurities, or will freeze in cold weather. Before you leave or store your boat, empty the fresh and waste water systems and tanks and flush them with fresh water.

### 5.5.1 Using the fresh water system



- Fill the fresh water tank from the filling inlet marked with the text **Water**. To ensure you will always have enough fresh water, top up the tank whenever you have the chance.
- If the water pressure is low, press the **Fresh water pump** button on the toilet compartment control panel to switch on the fresh water pump. The button for the fresh water pump is also available on the fresh water control panel on the bathing platform. The pump switches off automatically when the system has generated enough water pressure.
- To prevent a build-up of bacteria and impurities, empty, flush and refill the tank with fresh water at regular intervals.

#### Related information

[4.2.3 Toilet compartment control panel](#) on page 36

### 5.5.2 Using the toilet

You can flush the toilet electrically or manually, depending on the equipment you have chosen.



- Press the **Toilet flush** button in the toilet compartment control panel to flush.
- If you are using the manual flush, open the seacock tap before flushing, and close it afterwards.

### 5.5.3 Emptying the waste water tanks

Always empty the grey and black water tanks into the fixed waste water tanks onshore.

#### ⚠ CAUTION

Pollution and health hazard.

Do not empty the waste water tanks into the water.

Plan your voyage in a way that you can always reach shore with proper fixed waste water tanks in good time before your waste water tanks get filled.



1. Use the **Grey water pump** button on the toilet compartment control panel to pump the grey water from the holding tanks to the grey water tank.
2. Make sure the seacocks in the grey and black water openings on your boat are closed tightly.
3. Connect the suction hose from the shore tank to your boat's grey water or black water discharge outlet marked with the text **Waste**.

4. Turn on the waste water pump of the shore tank.
5. Hold the suction hose tightly in place in the discharge outlet during the whole emptying process to prevent any accidental spilling onto the deck or water.
6. When the grey water tank or the black water tank is empty, shut off the waste water pump on the shore.
7. Disconnect the suction hose from the discharge outlet on your boat and close the outlet lid tightly.

#### Related information

[6 Respect the environment](#) on page 79

## 5.6 Navigation equipment

Your boat is equipped with the navigation equipment of your choice. See the equipment manufacturers' manuals for details for instructions for their use.

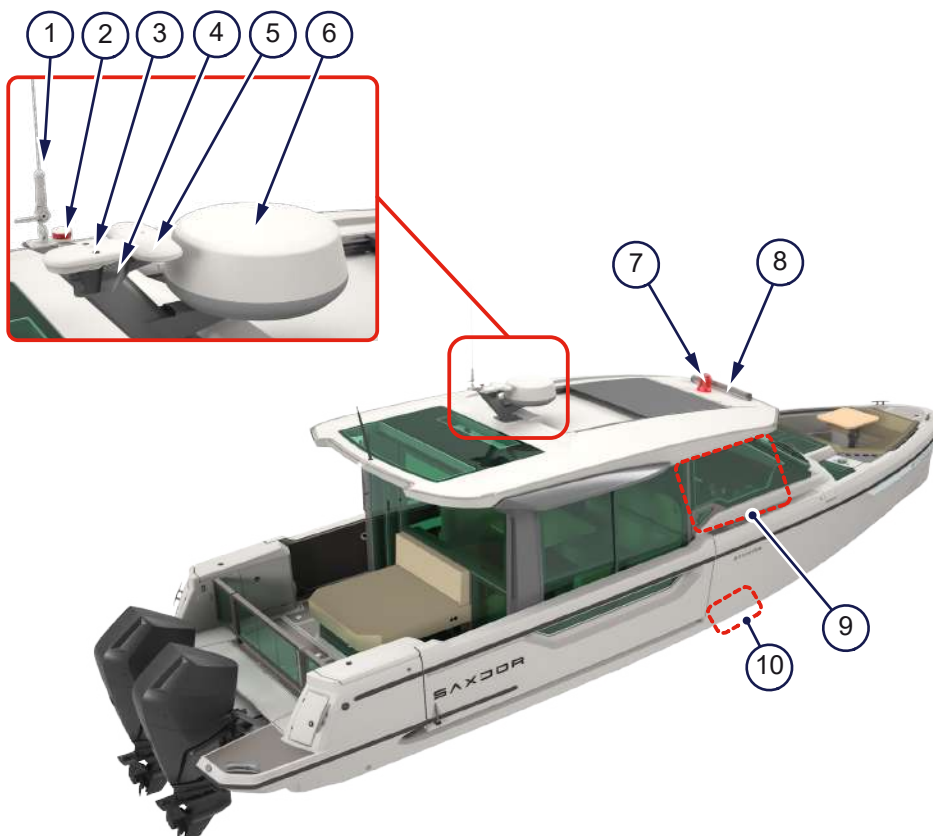


Figure 5.9 - Navigation equipment

- |   |                                 |    |                               |
|---|---------------------------------|----|-------------------------------|
| 1 | VHF+AIS antenna                 | 6  | Radar dome                    |
| 2 | Navigation light                | 7  | Night-vision camera           |
| 3 | Horn                            | 8  | Light bar                     |
| 4 | GPS antenna                     | 9  | Navigation equipment controls |
| 5 | Satellite compass for autopilot | 10 | Echosounder transducer        |

### Navigation lights, horn and windshield wiper

Your boat is equipped with LED navigation lights, an anchor light, a horn and a light bar on the front edge of the T-Top. You can find the control buttons for all these equipment on the helm station.

### Multifunction displays

You can control the following navigation equipment via the multifunction displays on the helm station:

- Chartplotter
- Echosounder
- Radar
- Autopilot
- Night-vision camera
- GPS antenna and satellite compass

### VHF and AIS

The VHF radio and AIS controls are available on the integrated VHF and AIS handset on the helm station.

### Related information

[4.2.1 Helm station controls](#) on page 33

## 5.7 Anchor system

You can lower and lift the anchor with the electrical anchor winch, or you can use the anchor manually.

#### **⚠ CAUTION**

Risk of injury or material damage.

Always lift the anchor up and secure it in the anchor box or lock it in the retaining system when you are not using the anchor.

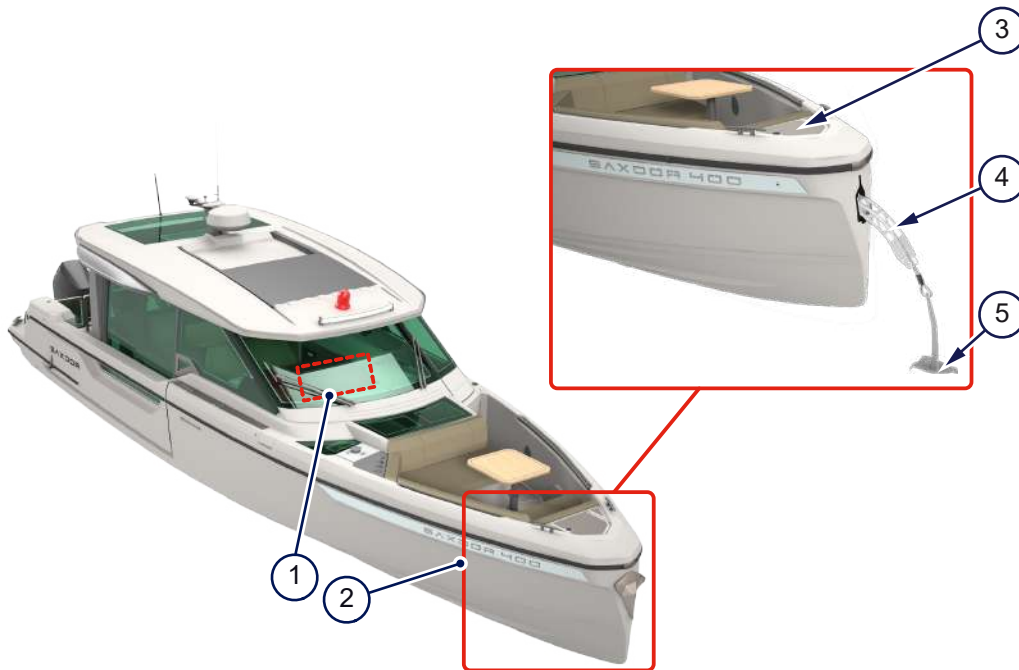


Figure 5.10 - Anchor system

- |   |                       |   |                |
|---|-----------------------|---|----------------|
| 1 | Anchor winch controls | 4 | Anchor roller  |
| 2 | Anchor lifted         | 5 | Anchor lowered |
| 3 | Anchor box            |   |                |

The anchor on your boat is located either in the anchor box, or in the optional electrical anchor retaining system under the anchor box. The retaining system consists of the electrical anchor winch and other components of the lifting/lowering mechanism, such as the anchor roller.

When you lower or lift the anchor electrically, the anchor roller extends from the bow and guides the anchor far enough from the bow so that the anchor and the anchor wire do not touch the bow and damage it.

#### Learn more

- About anchoring and anchor chains: [3.3 Mooring, towing and anchoring](#) on page 23

#### Related information

[4.2.1.1 Navigation and lighting control panel](#) on page 34

## 5.8 Comfort and fun

Find out here what fun and comforts your boat offers offshore, and how to protect the boat's interior and surfaces when in dock.



## 5.8.1 Heating and air-conditioning

The optional heating and air-conditioning system keeps you warm at night and cool by day.

**⚠ WARNING** Risk of fire or carbon monoxide accumulation.

Do not block the heater's exhaust pipe, ventilation or warm air outlet.

You can operate the heating and air-conditioning from the temperature control panel.

The air-conditioning unit takes water for the cooling circuit from the sea or lake through a hull opening. The condensate water from the air-conditioning system runs into the grey water tank.

The heater operates on diesel fuel.

Check the manufacturer's manual of the heating and air-conditioning system for more details about using the equipment.

### Related information

[4.2.9 Temperature control panel](#) on page 42

[4.5.3 Hull openings](#) on page 52

[5.3 Fuel system](#) on page 64

[5.5 Fresh and waste water systems](#) on page 68

## 5.8.2 Wet bar and barbecue grill

The wet bar and the barbecue grill offer you full cooking facilities when onboard.

**⚠ WARNING** Risk of fire or overheating.

Do not close the lid of the wet bar when the cooktop is hot.

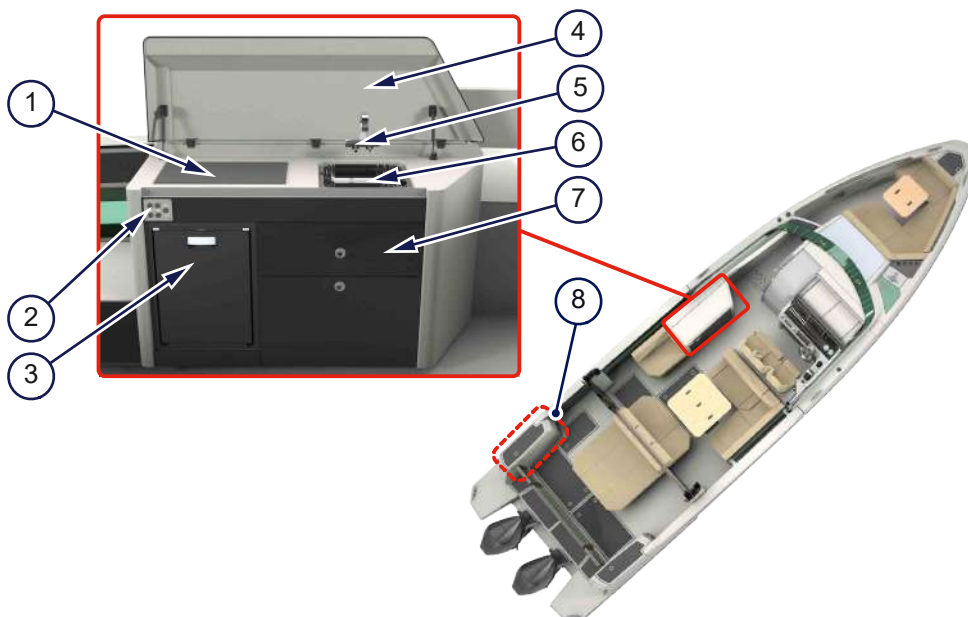


Figure 5.11 - Wet bar and barbecue grill

1	Cooktop	5	Fresh water tap and sink
2	Sofa and table control panel	6	Sink and chopping board
3	Fridge	7	Drawers
4	Wet bar lid	8	Barbecue grill

Cooking is quick and efficient with the cooktop on the wet bar.

Depending on your choice of equipment, you can power up your cooktop and barbecue grill like this:

- The electrical induction cooktop and the barbecue grill operate with shore power and with the battery capacity of the generator replacement system.
- The diesel-powered cooktop operates with diesel fuel.



For safety and hygiene reasons, close the lid when the cooktop has cooled down and when you are not using the wet bar.



It is a good idea to keep an eye on the battery capacity when cooking, and charge the battery when necessary. The cooktop is quick to drain the battery.

The fresh water tap and sink provide fresh water for cooking and doing the dishes.



If the water pressure is low, use the **Fresh water pump** button on the toilet compartment control panel to switch on the fresh water pump.

The fridges have their temperature control and on/off switches inside the fridge.

## Related information

[4.2.3 Toilet compartment control panel](#) on page 36

[4.2.8 Cooktop control panel](#) on page 41

[5.5 Fresh and waste water systems](#) on page 68

## 5.8.3 Seating

Your boat offers different areas and setups for seating.

Your boat is equipped with three seats at the helm station: one for the driver and two for the front passengers. You can move the seats back and forth and lock / unlock the seat from the locking handle.

### **⚠ WARNING**

Risk of death or serious injury.

Failure to lock the seat can cause you to be ejected from the seat.

Lock the cockpit seat when you drive.

Other seating setups:

- In the cockpit: a seat by the wet bar and a sofa setting around an adjustable table. You can lower and lift the table electrically.
- A part of the sofa setting is adjustable: you can change the seating direction electrically.
- There is a doorway hatch to the aft cabin under the sofa setting. The hatch serves as an emergency exit from the aft cabin.
- On the aft deck: a large sun bed sofa. There is an emergency exit from the aft cabin under the sofa.
- On the foredeck: sofa setting around a table. There is an emergency exit from the front cabin under the sofa.

## Related information

[4.2.2 Sofa and table control panel](#) on page 35

[4.4.1 Safety equipment and emergency exits](#) on page 44

## 5.8.4 Side terraces

The folding side terraces on both sides of your boat allow you to extend your offshore life onto a whole new level.

### **⚠ WARNING**

Risk of injury, falling overboard or material damage.

Make sure there are no people or objects near or on the side terraces when you lower or lift them. Always lower the side terrace to the lowest locking position.

Lift the side terraces before you move the boat. It is prohibited to drive the boat unless the side terraces are locked in upright position.

**⚠ CAUTION** Risk of boat tipping or side terrace breaking down, risk of people or property falling into the water.

Always remember the balance of the boat and the durability of the side terrace.

Do not allow too many people to stay on the lowered side terrace.

Do not place too much load on the lowered side terrace.

Do not exceed the maximum permitted load on the side terraces. Check the technical specification for the maximum permitted load.

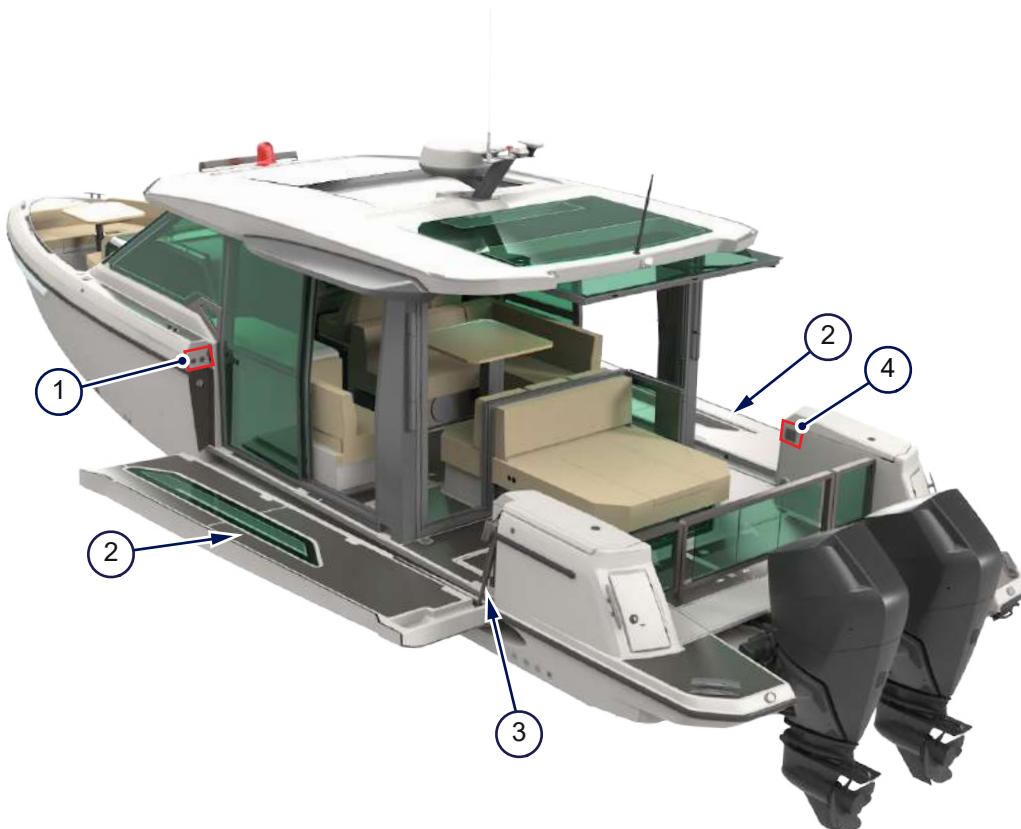


Figure 5.12 - Side terraces

- |   |                            |   |  |
|---|----------------------------|---|--|
| 1 | Side terrace latches       | 3 | Folding side terraces in the lowest locking position |
| 2 | Side terrace securing wire | 4 | Side terrace control panel                           |

You can lower and raise each side terrace separately from the side terrace control panel.

- Mechanical latches keep the folding side terraces locked in the upright position when you drive.
- When you lower the side terrace to the lowest locking position, the securing wire is straight and tight to show the proper position.
- The securing wire serves as a safety mechanism, as well. This ensures the terrace does not give way under your foot and cause you or your guests to fall into the water.

#### Related information

[4.2.4 Side terrace control panel](#) on page 37

### 5.8.4.1 Using the side terraces



You can lower and raise each folding side terrace separately.

1. Unlock the side terrace latches.  
If you want to lower just one terrace, unlock the latch for that terrace only.
2. Lower the terraces from the side terrace control panel.  
Press the locking button **Lock** and the arrow button of the port terrace or starboard terrace (**Terrace PORT** or **Terrace STB**) at the same time.
3. Lower the terraces to the lowest locking position so that the securing wire is straight and tight.  
The electric motor of the terrace mechanism stops automatically when the terrace is in the lowest locking position.
4. When you want to raise the side terraces, press the **Lock** button and the **Terrace PORT** or **Terrace STB** arrow button at the same time.  
The electric motor of the terrace mechanism stops automatically when the terrace is in the upright locking position.
5. Lock the side terrace latches.

### 5.8.5 Sun shade

The sun shades keep you and your passengers cool when the boat is stationary.

**⚠ CAUTION** Risk of injury or material damage.

Do not drive the boat when the sun shade is up. The sun shade and mounting poles may tear off.

Do not use the sun shade in harsh weather conditions and in strong wind.

You can set up, attach and lock the sun shades to the mountings on the foredeck and on the aft deck.

### 5.8.6 Bathing ladder

The bathing ladder on the bathing platform allows swimmers to go into the water and reboard safely and unattended. In addition, it is a safe way to rescue people from the water.

**⚠ WARNING** A rotating propeller may cause death or a serious injury.

Shut off the engine when there are people in the water near the boat.

Do not reboard the boat when the engine is running.

Do not use the engine's cavitation plates for reboarding the boat.

**⚠ CAUTION** Risk of injury or material damage.

Do not block access to the bathing ladder.

Do not drive the boat when the bathing ladder is down.

The bathing ladder is secured in place under the bathing platform. The bathing ladder is easy to pull out and extend even when you are in the water.

#### Learn more

- About how to rescue people from the water: [2.6.2 Man overboard!](#) on page 17

#### Related information

[4.1.6 Bathing platform](#) on page 31

## 5.8.7 Harbor covers

When you store your boat for the off-season, protect the seats and other surfaces from the sun, rain and dirt with harbor covers.

**⚠ CAUTION** Risk of injury or material damage.

Do not use the harbor covers when driving. The covers may tear off in strong wind.

When storing the boat, attach the harbor covers to the channels underneath the T-Top and to the windshield frame.

## 5.8.8 Lighting and audio

### Lighting

Your boat is equipped with LED lighting in the front cabin, on the cockpit and on the deck. You can adjust cockpit and deck lights from the control panel at the helm station.

### Audio

Depending on the options you choose, your boat can be equipped with a Hi-fi audio system with the audio device, amplifier, subwoofer and speakers.

Check the audio equipment manufacturer's manuals for more information on the features and the use of the equipment.

#### Related information

[4.2.1.1 Navigation and lighting control panel](#) on page 34

## 6 Respect the environment

As the proud captain of a Saxdor boat, you have the responsibility to protect the marine environment. Ensure that you and your crew comply with the environmental laws like the International Convention for the Prevention of Pollution from marine vessels (MARPOL) and the local regulations in the area where you are boating.

### 6.1 Handling waste properly



Follow these tips to ensure you are handling your boating waste properly.

- Never throw garbage or waste into the sea or on the shore.
- Never pour down sink substances that are harmful to the environment - even if your boat had a grey water tank that ensures that water does not drain directly into the sea from the sink.
- Never pump dirty bilge water into the sea. For dirty bilge water, use a separate container and dispose of it as hazardous waste.
- Check the bilge water regularly for contaminants like oil, diesel, or glycol.
- Do not empty the waste water tanks into the sea. Constantly monitor the level of your waste water tanks and plan your trip so that you can always empty the tanks at port.

### 6.2 Avoiding contaminant spills



Follow these tips to avoid contaminant spills.

- Take care not to spill fuel, oil, detergents or solvents into the sea. Keep oil absorbent material on board at all times in case of a spill or leakage.
- Do not overfill the fuel tank. Make sure fuel does not overflow into the sea from the fuel ventilation opening.
- When caring for your boat, do not use substances harmful to the environment. Follow the local regulations concerning acceptable cleaning agents, waxes and paints.

### 6.3 Minimizing emissions and disturbance



Follow these tips to minimize emissions and disturbance when boating.

- Have the engine and propeller serviced by an authorised professional.
- Adjust your speed to avoid disturbance and shoreline erosion caused by waves that your boat creates.
- To reduce fuel consumption and to avoid disturbing others, do not idle or rev the engine unnecessarily.
- Do not load your boat with unnecessary items as extra weight uses more fuel.
- Keep the hull of your boat clean to reduce the amount of drag.
- Maintain the optimal trim of the boat as it affects the fuel consumption.

## 6.4 Preventing the spreading of aquatic invasive species

Follow these tips to prevent the spreading of harmful watercraft-borne marine life.

The American Boat and Yacht Council (ABYC) has classified certain species of marine life as harmful aquatic invasive species (AIS). These species are plants, animals and microbes which can attach themselves to your boat or to your trailer, or which can find their way to the water systems or water deposits on your boat.



- Take necessary precaution when moving between different bodies of water to prevent the spreading of the AIS.

- Take necessary purification measures for your boat to eradicate the AIS.

The purification measures include (but not limited to) physical cleaning, draining and drying, as well as decontamination of the surfaces and water systems or water deposits on your boat.

- Contact your Saxdor dealer for more information about the prevention of the AIS.



## 7 Care for your boat

To ensure safety and the validity of your boat's warranty, have the boat regularly and professionally maintained and serviced.



Saxdor Yachts cannot be held responsible for modifications not approved by the company.

Always use trained and competent people for maintenance, repair or modifications.

Modifications that may affect the safety characteristics of the boat need to be assessed, executed and documented by competent people.

Contact your Saxdor dealer for information about authorized boat service providers.

Make sure your Saxdor dealer has registered the engine and other third party equipment on your boat with the equipment manufacturers to activate warranty. Warranty registration helps you in any service related issues with the equipment.

## 8 The details

Check here the relevant number information for your boat.

This information is handy when planning and provisioning for your next trip, and on the way, too.

### 8.1 Technical specification

Table 8.1 - General specifications

Description	Value
Boat model	Saxdor 400 GTC (Main cabin model)
Purpose of the boat	Recreational
Engine	Mercury 260 twin outboard engines
Maximum recommended engine power	596 kW / 800 HP
Maximum speed	45 kn (with twin engines)
Engine mounting	Engine with a shaft of 63 cm (25 in) is mounted in the 2nd hole from the top. Engines should be spaced 101 cm (40 in) apart.
Recommended fuel for the engine	See the engine manufacturer's manual
Recommended fuel for the heater	See the heater manufacturer's manual
Maximum number of people on board	
• Design category B	12
Battery DC system voltage	12 V
Shore power AC system voltage	110 V or 230 V
Breaking strength of strong points	50 kN

Table 8.2 - Weights

Description	Category B	
Light craft condition ( $m_{LC}$ )	7709 kg	16995 lb
Maximum load on the builder's plate ( $m_{MBP}$ )	860 kg	1896 lb
Full load	10237 kg	225619 lb
Weight of the maximum recommended number of people, luggage and other personal belongings (included on the builder's plate) <sup>1)</sup>	1260 kg	2778 lb
Inflatable life raft		

Description	Category B	
	Engine (recommended maximum)	680 kg
Fuel	750 kg	1653 lb
Fresh water	170 kg	375 lb
Grey water	105 kg	231 lb
Black water	60 kg	132 lb
Total weight of liquids in fixed tanks when full	1025 kg	2260 lb
Weight of the boat when towed on a trailer ( $m_T$ ) <sup>2)</sup>	7918.7 kg	17458 lb
Margin for future additional equipment	30 kg	66 lb
Maximum permitted load on one side terrace	300 kg	661 lb
Maximum load condition	10237 kg	22569 lb
Loaded displacement mass <sup>3)</sup>	10237 kg	22569 lb

1) Calculated average: one adult equals 75 kg / 165 lb, one child 37.5 kg / 83 lb.

2) Items included in the  $m_T$  weight: structure, permanent internal and external equipment, engine, tanks and tank content. Items not included in the  $m_T$  weight: loose internal equipment, loose electronic and navigational equipment (e.g. charts), tools, spare parts, personal safety and life-saving equipment, provisions, bilge water, bait tanks.

3) Includes the weight of all persons onboard, all provisions and personal effects, any equipment not included in the light craft mass, cargo (if any) and all consumable liquids (water, fuel, etc.).

Table 8.3 - Tank capacities

Description	Value	
	Gasoline (for engines)	1000 L
Diesel (for optional heater)	25 L	6.6 gal
Fresh water	170 L	45 gal
Black water	60 L	15.9 gal
Grey water	105 L	27.7 gal

Table 8.4 - Bilge pump capacity

Description	Value	
	Automatic	40 L/min
Manual (45 strokes/minute)	40 L/min	10.6 gal/min

Table 8.5 - Lifting point locations

Dimension	Description	Value	
A	Minimum distance from the measuring point in the end of the keel to the lifting point in the bow	7.60 m	24.9 ft
B	Minimum distance from the measuring point in the end of the keel to the lifting point in the aft	0.80 m	2.6 ft

## 8.2 Boat dimensions

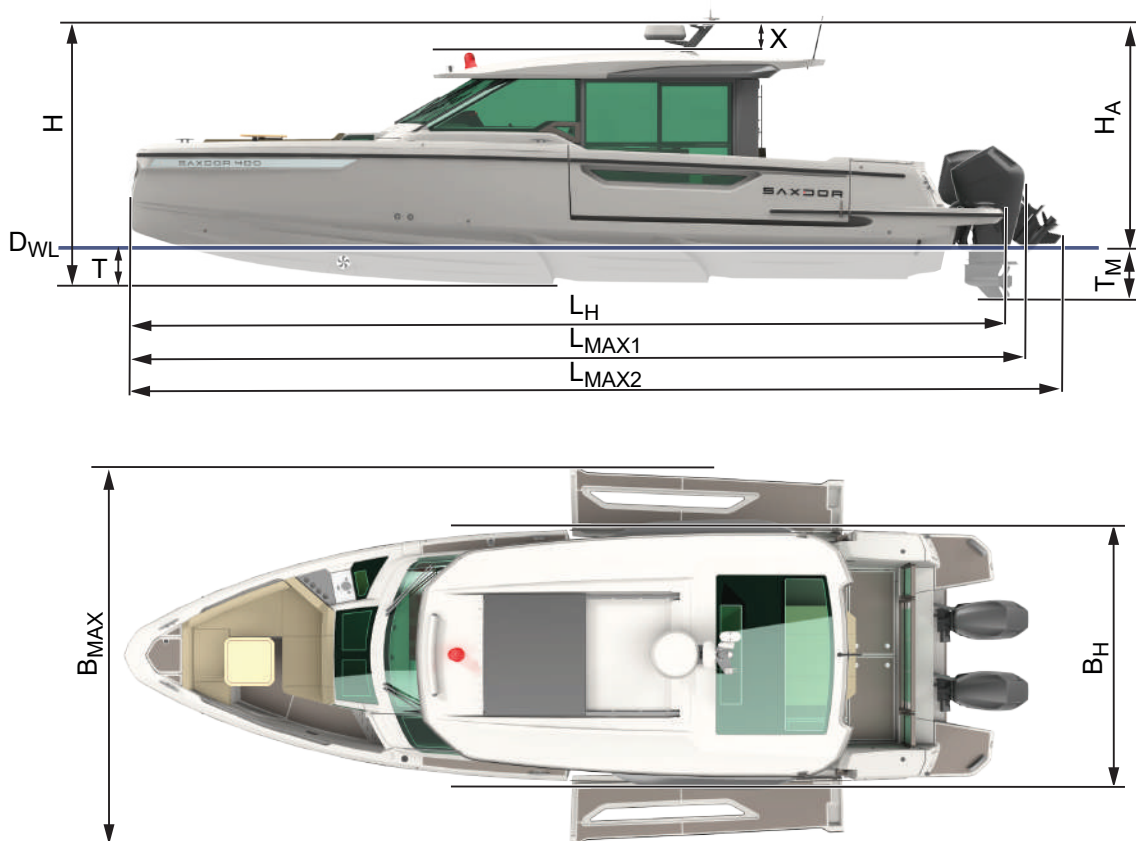


Figure 8.1 - Saxdor 400 GTC dimensions

Table 8.6 - Description of dimensions

Dimension	Description	Value	
H <sub>A</sub>	Air draft: the height from the waterline to the highest non-removable part of the boat (radar/antennas/lights on the T-Top)	2.95 m	9.68 ft
H	Overall height: the height from the bottom of the hull to the highest non-removable part of the boat	3.68 m	12.07 ft
X	The height from the roof to the highest non-removable part of the boat	0.37 m	1.21 ft
L <sub>H</sub>	Overall hull length: the overall length of the hull from the bow to the end of the bathing platform	12.4 m	40.68 ft

Dimension	Description	Value	
L <sub>MAX1</sub>	Overall length of the boat with the outboard engines	12.69 m	41.63 ft
L <sub>MAX2</sub>	Overall length of the boat with the outboard engines tilted up	13.12 m	43.04 ft
T	Draft: the measure from the waterline to the bottom of the keel	0.64 m	2.10 ft
T <sub>M</sub>	Hull draft: the measure from the waterline to the lowest part of the engine (the fin-like skeg that protects the propeller)	0.96 m	3.15 ft
B <sub>H</sub>	Beam: the width of the boat	3.5 m	11.48 ft
B <sub>MAX</sub>	The width of the boat with the side terraces lowered	5.0 m	16.40 ft

## 9 Extras

Check here the relevant info about the warranty and qualification of your boat, as well links to the manufacturer's information about the different equipment on your boat.

### 9.1 Declaration of conformity

The declaration of conformity states that your boat meets all relevant requirements of all product safety directives applicable to the boat.

- You can find the declaration of conformity document in the Saxdor documentation bag.

Multi-language template compiled by IMCI  English version approved by RCD ADCO on June 8th, 2016

**EU Declaration of Conformity of Recreational Craft with the Design, Construction and Noise Emission requirements of Directive 2013/53/EU**  
(To be completed by manufacturer or if mandated, authorised representative)

The empty template was compiled and made available by the International Marine Certification Institute at [www.imci.org](http://www.imci.org). This document is under the sole responsibility of the manufacturer.

**Name of recreational craft manufacturer:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Town:** \_\_\_\_\_ **Post Code:** \_\_\_\_\_ **Country:** \_\_\_\_\_

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**Name of authorised representative (if applicable):** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Town:** \_\_\_\_\_ **Post Code:** \_\_\_\_\_ **Country:** \_\_\_\_\_

---

**Module used for design and construction assessment:**  A  A1  B+C  B+D  B+E  B+F  G  H  
**Name of Notified Body for design and construction assessment (if applicable):** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Town:** \_\_\_\_\_ **Post Code:** \_\_\_\_\_ **Country:** \_\_\_\_\_ **ID Number:** \_\_\_\_\_  
**Notified Body certificate<sup>1</sup> number (if applicable):** \_\_\_\_\_ **Date:** \_\_\_\_\_

---

**Module used for noise emission assessment (if applicable):**  A  A1  G  H  
**Name of Notified Body for noise emission assessment (if applicable):** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Town:** \_\_\_\_\_ **Post Code:** \_\_\_\_\_ **Country:** \_\_\_\_\_ **ID Number:** \_\_\_\_\_  
**Notified Body certificate<sup>1</sup> number (if applicable):** \_\_\_\_\_ **Date:** \_\_\_\_\_

---

**Other Community Directives applied:** \_\_\_\_\_

**DESCRIPTION OF RECREATIONAL CRAFT:**

**Watercraft Identification Number:** \_\_\_\_\_

**Brand name of the Recreational Craft:** \_\_\_\_\_ **Model or Type:** \_\_\_\_\_

**Type of construction:**  Rigid  Inflatable  Rigid-Inflatable (RIB)

**Type of hull:**  Monohull  Multihull

**Hull construction material:**  Aluminium, aluminium alloys  Moulded Fibre Reinforced Plastic  
 Steel, steel alloys  Wood  
 Other (specify): \_\_\_\_\_

**Recreational Craft Design category(-ies) related to the maximum recommended number of persons:**

Category	Number of Persons	Max Load [kg]
A		
B		
C		
D		

**Length of hull L<sub>H</sub>:** \_\_\_\_\_ m  
**Beam of hull B<sub>H</sub>:** \_\_\_\_\_ m  
**Maximum Draught T:** \_\_\_\_\_ m

**Deck:**  Fully enclosed  Partially protected  Open

**Craft main propulsion:**  Sail, projected sail area A<sub>s</sub>: \_\_\_\_\_ m<sup>2</sup>  
 Human propulsion  
 Engine/motor propulsion  
 Other (specify): \_\_\_\_\_

**Installed engine type (if applicable):**  Internal combustion, Diesel (CI)  
 Internal combustion, Petrol (SI)  
 Internal combustion, LPG/CNG  
 Electric  
 Other (specify): \_\_\_\_\_

**Installed propulsion type (if applicable):**  Outboard  Inboard with shaft line  
 Z or Stern drive  Pod-drive  Sail-drive  
 Other (specify): \_\_\_\_\_

**Integral exhaust propulsion (if applicable):**  Yes  No  
**Maximum Recommended engine power:** \_\_\_\_\_ kW  
**Installed engine power:** \_\_\_\_\_ kW  
**Number of propulsion engines:** \_\_\_\_\_ #  
**Maximum recommended engine mass<sup>2</sup>:** \_\_\_\_\_ kg

This declaration of conformity is issued under the sole responsibility of the manufacturer. I declare on behalf of the manufacturer that the recreational craft mentioned above fulfils the requirements specified in Article 4 (1) and Annex I of Directive 2013/53/EU.

**Name and function:** \_\_\_\_\_ **Signature and title:** \_\_\_\_\_  
(identification of the person empowered to sign on behalf of the manufacturer or his authorised representative) (or an equivalent marking)

**Date and place of issue (dd/mm/yyyy):** \_\_\_\_\_

<sup>1</sup> The document may have a different name according to each module (A1: Stability and buoyancy report, B: EC type examination certificate, G: Certificate of conformity, etc.)  
<sup>2</sup> For outboard powered boats only

Figure 9.1 - Declaration of conformity, page 1

This document is under the sole responsibility of the manufacturer. The empty template was compiled and made available by the International Marine Certification Institute at [www.imci.org](http://www.imci.org).

Essential requirements (reference to relevant articles in Annex IA & IC of the Directive)	Harmonised standards Full Application	Harmonised standards Partial application, see tech. file	Other reference documents <sup>3</sup> Full Application	Other reference documents Partial Application, see tech. file	Other proof of conformity See technical file	Specify the harmonised <sup>4</sup> standards or other reference documents used <i>(with year of publication like "EN ISO 8666:2002")</i>
	Tick only one box per line					
<b>General requirements (2)</b>						
Principal data – main dimensions	<input checked="" type="checkbox"/>					
Watercraft Identification Number – WVN (2.1)	<input checked="" type="checkbox"/>					
Watercraft Builder's Plate (2.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Protection from falling overboard and means of reboarding (2.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Visibility from the main steering position (2.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Owner's manual (2.5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Integrity and structural requirements (3)</b>						
Structure (3.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stability and freeboard (3.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Buoyancy and flotation (3.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Openings in hull, deck and superstructure (3.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Flooding (3.5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Manufacturer's maximum recommended load (3.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Liferaft stowage (3.7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Escape (3.8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anchoring, mooring and towing (3.9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Handling characteristics (4)</b>						
<b>Engines and engine spaces (5.1)</b>						
Inboard engine (5.1.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ventilation (5.1.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed parts (5.1.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outboard engine starting (5.1.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Fuel system (5.2)</b>						
General – fuel system (5.2.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fuel tanks (5.2.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Electrical systems (5.3)</b>						
<b>Steering systems (5.4)</b>						
General – steering system (5.4.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency arrangements (5.4.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Gas systems (5.5)</b>						
<b>Fire protection (5.6)</b>						
General – fire protection (5.6.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire-fighting equipment (5.6.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Navigation lights, shapes and sound signals (5.7)</b>						
<b>Discharge prevention (5.8)</b>						
<b>Annex I.B – Exhaust Emissions<sup>5</sup></b>						
<b>Annex I.C – Noise Emissions<sup>6</sup></b>						
Noise emissions level (I.C.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Owner's manual (I.C.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<sup>3</sup> Such as non-harmonised standards, rules, regulations, guidelines, etc.  
<sup>4</sup> Standards published in EU Official Journal  
<sup>5</sup> See Declaration of Conformity of engine manufacturer  
<sup>6</sup> Only to be completed for boats with inboard engines or sterndrive engines without integral exhaust

Figure 9.2 - Declaration of conformity, page 2



## 9.2 Electrical wiring diagram

The electrical wiring diagram includes the drawings of all circuits and electrical connections on your boat.

- If you need a copy of the electrical wiring diagram, please contact Saxdor Yachts.

## 9.3 Warranty

The warranty states the guarantee of the integrity of your boat and the maker's responsibility of your boat.

- Check the warranty at [www.saxdoryachts.com](http://www.saxdoryachts.com).

## 9.4 Equipment manufacturers' websites

The equipment on your boat consists of top products from different original manufacturers. You can find the manuals for the equipment in the Saxdor documentation bag. For more details, check the equipment manufacturer's websites.

Table 9.1 - Equipment manufacturers

Equipment	Product model	Link
Audio equipment	<ul style="list-style-type: none"> <li>• JL Audio</li> <li>• Clarion</li> </ul>	<a href="http://www.jlaudio.com">www.jlaudio.com</a> <a href="http://www.clarion.com">www.clarion.com</a>
Batteries	Mastervolt MLI Ultra 12/600	<a href="http://www.mastervolt.com">www.mastervolt.com</a>
Bilge pumps	Whale Pump Super Sub 650 Smart	<a href="http://www.whalepumps.com">www.whalepumps.com</a>
Bow thruster	Bow thruster side power SE 50-140S-12V	<a href="http://www.sleipnergroup.com">www.sleipnergroup.com</a>
Multifunction displays	IDS Display	<a href="http://www.simrad-yachting.com">www.simrad-yachting.com</a>
Cooktop	Wallas 85Dt Ceramic Flush Mount Diesel Stove	<a href="https://wallas.fi">https://wallas.fi</a>
Engine and accessories	Mercury V10 AMS 350/400	<a href="http://www.mercurymarine.com">www.mercurymarine.com</a>
Fridge	Drawer Fridge 50L-49L/V 12-24	<a href="http://www.dometic.com">www.dometic.com</a>
Generator replacement system	<ul style="list-style-type: none"> <li>• Mastervolt 500 Ah battery pack</li> <li>• BEP Smart Battery Hub</li> </ul>	<a href="http://www.mastervolt.com">www.mastervolt.com</a> <a href="http://www.bepmarine.com">www.bepmarine.com</a>
Heater and air conditioning	<ul style="list-style-type: none"> <li>• Aircon unit Turbo DTG</li> <li>• Heater Air Top Evo 40</li> </ul>	<a href="http://www.dometic.com">www.dometic.com</a> <a href="http://www.webasto.com">www.webasto.com</a>
Main switches and relays	Blue sea ML-RBS remote switches	<a href="http://www.blueseas.com">www.blueseas.com</a> <a href="http://www.bepmarine.com">www.bepmarine.com</a>
Shore power and inverter control	Mastervolt Combimaster inverter/charger 12V/3000W 160A	<a href="http://www.czone.com">www.czone.com</a>

Equipment	Product model	Link
Toilet	Marine Toilet Standard Electric EVO comfort 12V	<a href="http://www.jabsco.com">www.jabsco.com</a>
Trim tabs	Zipwake interceptor system	<a href="http://www.zipwake.com">www.zipwake.com</a>
Wireless lanyard stop switch	1st Mate for Mercury SmartCraft Engines	<a href="http://www.1stMate.net">www.1stMate.net</a>

## 9.5 Warnings and cautions

Heed all the warnings and cautions in this manual! For your convenience, they are also listed here.

### DANGER

Risk of electric shock, fire or explosion.

Remember that water and electricity are a bad combination.

Let only a competent marine electrical technician carry out any installation, alteration or maintenance work to the electrical system.

### DANGER

Risk of death, electric shock or injury.

Connect the shore power cable first to your boat and only then to the power supply onshore.

If you connect the cable in the wrong order and the live power cable comes into contact with water, people on board, nearby swimmers and marine life will be exposed to a potentially lethal electric shock.

### DANGER

Risk of death, electric shock, injury or fire.

Do not alter shore power cable connectors. Use only cable connectors that are compatible with the shore power inlet on your boat.

Disconnect the shore power connection when the system is not in use.

### WARNING

Neglecting the necessary safety precautions can risk lives.

Take safety seriously. Remember that you as the driver are responsible for the safety for others.

### WARNING

Not heeding the limitations on the builder's plate can put you and your passengers at risk.

Do not exceed the maximum permitted engine power or number of persons on board.

Respect the conditions set out by the design category of your boat.

**⚠ WARNING**

Not respecting the design category limitations of your boat can put you and your passengers at risk.

Do not exceed the maximum permitted engine power or number of persons on board.

Ensure that the anticipated wind and sea conditions correspond to the design category of your boat.

Always make sure your boat and your operating skills match the weather and water conditions where you are going to operate.

**⚠ WARNING**

Any change in the weight distribution may significantly affect the stability, trim and performance of the boat.

When loading the boat, never exceed the maximum recommended load. Always load the boat carefully and distribute loads appropriately to maintain design trim (approximately level). Avoid placing heavy weights high up.

Take into account any modifications that may affect weight distribution, such as a different engine or a fishing tower.

**⚠ WARNING**

Getting entrapped in the cabin and not having quick access to safety equipment can be fatal in case of flooding.

Never lock or block the access to the emergency exits or safety equipment.

Do not store luggage or other heavy items on top of the front deck hatch.

**⚠ WARNING**

Getting water into the hatches or inside the boat increases the risk of flooding.

Always keep hatches closed and side terraces in upright position when under way.

**⚠ WARNING**

Risk of fire or explosion.

Handle open flame and fuel-driven devices with caution.

**⚠ WARNING**

Careless refueling is a fire hazard.

Never fill the fuel tank or handle fuel when the engine is running.

Don't smoke when handling fuel.

**⚠ WARNING**

Trying to cope by yourself too long can quickly escalate an emergency.

In case you cannot handle the situation, always contact rescue service without delay!

**⚠ WARNING**

Risk of drowning! The boat can sink or capsize if too much water gets into the boat.

Do not rely solely on the bilge pump system. It is not designed to pump out large amounts of water.

**⚠ WARNING**

Risk of explosion.

Never use water to put out fuel fire. If the fire gets in touch with a flammable fuel, water can spread the fire and cause an explosion.

**⚠ WARNING**

Carbon monoxide (CO) is harmful to your health in higher concentrations, and can even be lethal. Even low concentrations of CO can cause damage with prolonged exposure.

Prevent the accumulation of CO in the first place by minimizing the risk situations. Act quickly if the CO alarm turns on or if you suspect CO poisoning.

**⚠ WARNING**

Poor trimming can risk lives! Adjusting the trim angle at high speeds may radically affect your boat's behavior. A high running trim can obstruct the view so you may not notice swimmers and small vessels.

Avoid making adjustments at high speeds.

Don't drive with the bow high for long periods of time. Trim the boat's vertical angle to lower the attitude in congested areas.

**⚠ WARNING**

Overcorrecting, dropping the speed suddenly or hitting the waves at a wrong angle when driving at high speeds can have serious consequences.

Do not exceed your boating capabilities. Drive at speeds you are comfortable with. Avoid sudden maneuvers.

Always use the lanyard stop switch.

**⚠ WARNING**

Risk of electric shock, battery overheating, explosion, fire or harmful gases. Do not block the battery ventilation.

**⚠ WARNING**

Risk of electric shock, battery overheating, explosion, fire or harmful gases. Do not use external charger on the boat.

**⚠ WARNING**

Risk of death, electric shock or injury.

Remember that there is a live current to the batteries at all times when the solar panel main switch is switched on.

**⚠ WARNING**

Hot engine parts could cause a fire if in contact with flammable materials.

Store equipment that contains gasoline only in compartments designed for this purpose.

**⚠ WARNING**

The boat can sink if too much water gets into the boat.

If you suspect a leak, find out the reason and go ashore as soon as possible. The bilge pump system is not designed to pump out large amounts of water.

If there is a rapid increase in water accumulation, call rescue service.

**⚠ WARNING**

Risk of fire or carbon monoxide accumulation.

Do not block the heater's exhaust pipe, ventilation or warm air outlet.

**⚠ WARNING**

Risk of fire or overheating.

Do not close the lid of the wet bar when the cooktop is hot.

**⚠ WARNING**

Risk of death or serious injury.

Failure to lock the seat can cause you to be ejected from the seat.

Lock the cockpit seat when you drive.

**⚠ WARNING**

Risk of injury, falling overboard or material damage.

Make sure there are no people or objects near or on the side terraces when you lower or lift them. Always lower the side terrace to the lowest locking position.

Lift the side terraces before you move the boat. It is prohibited to drive the boat unless the side terraces are locked in upright position.

**⚠ WARNING**

Risk of serious injury or material damage.

The water ski pole and its mounting may tear off and cause damage and injury.

Use the pole only for water skiing. Do not use it for towing other boats, vessels or water toys.

**⚠ WARNING**

A rotating propeller may cause death or a serious injury.

Shut off the engine when there are people in the water near the boat.

Do not reboard the boat when the engine is running.

Do not use the engine's cavitation plates for reboarding the boat.

**⚠ CAUTION**

The boat may tip or the lifting straps may slide during lifting if the straps are not attached properly or if the loads move and disturb the balance of the boat.

Empty the bilge and waste water tanks and remove any unnecessary load from the boat.

Do not hook the boat through the aft wings as the straps may slide away.

**⚠ CAUTION**

Trailing a large load can be a traffic hazard.

Use a trailer that is suitable for the boat.

Do not exceed the trailer capacity.

Secure the boat and the trailer properly.

**⚠ CAUTION**

Risk of electric shock.

Do not touch the batteries or electric connections.

**⚠ CAUTION**

Risk of electric shock or material damage.

Before you reset the solar panel fuse, find out why it has tripped.

**⚠ CAUTION**

Risk of fire, explosion or material damage.

Avoid damaging the fuel lines on your boat. Pay attention to the location and condition of the fuel lines.

**⚠ CAUTION**

Pollution and health hazard.

Do not empty the waste water tanks into the water.

Plan your voyage in a way that you can always reach shore with proper fixed waste water tanks in good time before your waste water tanks get filled.

**⚠ CAUTION**

Risk of injury or material damage.

Always lift the anchor up and secure it in the anchor box or lock it in the retaining system when you are not using the anchor.

**⚠ CAUTION**

Risk of boat tipping or side terrace breaking down, risk of people or property falling into the water.

Always remember the balance of the boat and the durability of the side terrace.

Do not allow too many people to stay on the lowered side terrace.

Do not place too much load on the lowered side terrace.

Do not exceed the maximum permitted load on the side terraces. Check the technical specification for the maximum permitted load.

**⚠ CAUTION**

Risk of injury or material damage.

Do not drive the boat when the sun shade is up. The sun shade and mounting poles may tear off.

Do not use the sun shade in harsh weather conditions and in strong wind.

**⚠ CAUTION**

Risk of injury or material damage.

Do not attach the water ski rope to cleats or other parts of the boat.

**⚠ CAUTION**

Risk of injury or material damage.

Do not lock or block the bathing ladder hatch.

Do not drive the boat when the bathing ladder is down.

**⚠ CAUTION**

Risk of injury or material damage.

Do not use the harbor covers when driving. The covers may tear off in strong wind.



Saxdor Yachts cannot be held responsible for modifications not approved by the company.

Always use trained and competent people for maintenance, repair or modifications.

Modifications that may affect the safety characteristics of the boat need to be assessed, executed and documented by competent people.

## 9.6 Glossary

Check here the terms and abbreviations used in the manual.

Table 9.2 - Terms and abbreviations

Term, abbreviation, acronym	Definition
ABYC	American Boat and Yacht Council
Aft, AFT	The rear of the boat
Aftdeck	Deck area in the rear part of the boat, social area
AIS	An automatic identification system (AIS) transponder which automatically provides position, identification and other information about the boat to other ships and to coastal authorities
	Aquatic Invasive Species. Plants, animals or microbes that have been classified as harmful by the ABYC if they spread from a body of water to another body of water.
ANSI	American National Standards Institute, the main organization supporting the development of technology standards in the United States
Auxiliary, Aux	Backup or supplementary equipment, such as auxiliary battery
Beaufort scale, BFT	The measure that relates wind speed to observed conditions at sea or on land
Bilge	Lowest point of the boat's inner hull
Black water	The waste water collected from the toilet.
Bow	The front end of the boat
COLREG	International regulations for preventing collisions at sea
Foredeck	Deck area at the bow of the boat
GPS	Global positioning system
Grey water	The waste water collected from the sinks in the toilet compartment and wet bar, and from the condensate water of the air conditioning unit.
Helm station	Steering station comprising the steering and navigation equipment and the driver's seat
Hull	Boat's frame

Term, abbreviation, acronym	Definition
ISO	International Standards Organization, the international standard development organization
kN	Kilonewton, unit of force
kn	Knot, a unit of speed equal to one nautical mile per hour (1 kn = 1.852 km/h or 1.151 mph)
kW	Kilowatt, unit of engine power (1 kW = 1.34 hp)
MARPOL	International Convention for the Prevention of Pollution from Ships
NMEA	National Marine Electronics Association, a combined electrical and data specification for communication between marine electronics such as echo sounder, sonars, autopilot, GPS receivers and many other types of instruments
Port	Left side of the boat when facing the bow
Starboard, STB	Right side of the boat when facing the bow
Saxdor documentation bag	A satchel including the manufacturer's manuals for the different equipment on the boat
Transom	Vertical section at the stern of the boat
Trim	The relationship of the boat's bow and stern angle to the water. Also known as attitude.
VHF	Very High Frequency radio communication system



## 9.7 Customer satisfaction survey

Please answer the following questions (5 = very satisfied, 1 = not satisfied at all):

	5	4	3	2	1
How satisfied are you with your new boat overall?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How satisfied are you with your new engine overall?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How satisfied are you with your dealer overall?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other comments:

# SAXDOR

## ROCK THE BOAT INDUSTRY!

### Contact

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