

OWNER'S MANUAL

ANYTEC A21





Anytec A2 I Owner's Manual

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TABLE OF CONTENTS

WELCOME ABOARD	I
I. INTRODUCTION	3
I.I ABOUT THIS OWNER'S MANUAL	3
I.2 GENERAL DESCRIPTION	
I.3 CRAFT IDENTIFICATION NUMBER (CIN)	4
I.4 EXPLANATION OF SAFETY LABELS	
1.5 DEALER RESPONSIBILITIES	5
I.6 WARRANTY	
1.7 INSURANCE	
I.8 SECURMARK ANTI-THEFT MARKING AND TRACKING SYSTEM	6
2. OPERATING THE BOAT	7
2.1 SAFETY ROUTINES BEFORE LEAVING SHORE	7
2.1.1 Weather and forecast	7
2.1.2 Loading	7
2.1.3 Passengers	
2.1.4 Fuel	
2.1.5 Erigine	
2.1.7 Nautical charts	
2.1.8 Safety check of the boat	
2.1.9 Inform about your route	
2.1.10 Safety equipment	
2.2 EMERGENCY ENGINE SHUTDOWN SWITCH	
2.3 MAN-OVERBOARD PREVENTION AND RECOVERY	
2.4 FIRE PREVENTION	
2.4.1 Fire extinguisher	
2.4.3 Refuelling	
2.4.4 Webasto heater, optional equipment (diesel fuel)	
2.5 STARTING THE BOAT	
2.5.1 Starting the engine	14
2.5.2 After starting the engine	14
2.5.3 Leaving shore	
2.6 OPERATING THE BOAT AT SEA	15
2.6.1 Trim of boat pitch (longitudinal angle)	16



	2.6.2 Trim of the boat roll (transverse movement)	18
	2.7 RISK OF CARBON MONOXIDE ACCUMULATION	. 20
	2.8 ANCHORING, MOORING AND TOWING	. 21
	2.9 LIFE RAFT STORAGE AREAS	. 24
3.	GENERAL INFORMATION	.25
	3.1 BASIC BOAT DIMENSIONS & SPECIFICATIONS	. 25
	3.2 DESIGN CATEGORIES	
	3.3 ENGINE REQUIREMENTS	
	3.4 VESSEL STABILITY AND BUOYANCY	
	3.5 LOAD CAPACITY / CE SIGN	
	3.6 PASSENGER LOCATIONS AND EMBARKING/DISEMBARKING	. 29
	3.7 SAFETY LABEL LOCATIONS	
	3.8 BOAT LAYOUT	. 33
	3.8.1 Boat layout, Standard equipment	33
	3.8.2 Boat layout, optional equipment	34
	3.9 STORAGE AREAS	
	3.10 THRU HULL LOCATIONS	
	3.11 DASH LAYOUT (STANDARD AND OPTIONAL EQUIPMENT)	
	3.11.1 Dash layout	
	3.11.2 Dash switch panel	
	3.12 TRAILERING	
	3.13 STRONG POINTS	
	3.14 LIFTING OF THE BOAT	. 40
4.	SYSTEMS & COMPONENTS	.43
	4.1 FUEL SYSTEM	
	4.1.1 Fuel tank	
	4.1.2 Filling the tank	
	4.1.3 Phase separation	
	4.1.4 Fuel Jiller	
	4.3 NAVIGATION LIGHTS	
	4.4 BILGE PUMPS	
	4.5 SIMRAD® MULTIFUNCTION DISPLAY & NAVIGATION SYSTEM	
	4.6 ENGINE CONTROLS AND INSTRUMENTATION	
	4.7 LECTROTAB TRIM SYSTEM	
	4.8 SWIM LADDER / MOB RESCUE LADDER	
	4.9 WINDSHIELD WIPERS	
	4.7 VVINDSHIELD VVIFERS	. ۷۷



4.10.1 Canopy configurations	53
4.10.2 How to install, remove and store the canopy	
4.11 ADJUSTABLE SEATS, DRIVER AND NAVIGATOR	54
4.12 WATERSPORT TOW ROPE ATTACHMENT	
4.13 WEBASTO HEATER (OPTIONAL)	55
4.14 AUDIO & RADIO SYSTEM (OPTIONAL)	56
4.15 COCKPIT TABLE (OPTIONAL)	56
4.16 CAMERA WITH INFRARED (OPTIONAL)	57
4.17 SEARCHLIGHT (OPTIONAL)	57
4.18 VHF RADIO (OPTIONAL)	
5. ELECTRICAL SYSTEMS	59
5.1 GENERAL DESCRIPTION	59
5.2 BATTERIES & CHARGING	60
5.3 BATTERY SELECTOR SWITCH	60
5.4 CIRCUIT AND MAIN BREAKER PANEL	
5.5 ELECTRICAL SCHEMATICS	62
6. MAINTENANCE	63
6.1 FUEL SYSTEM	64
6.2 HULL, DECK, RAILS & SUPERSTRUCTURES	
6.2.1 Aluminum treatment M-400® maintenance & principle	
6.2.2 Hull below water, anti-fouling treatment	
6.2.3 Anodes for prevention of galvanic corrosion	
6.3. COMPONENT MAINTENANCE	67
6.3.1 Stainless steel	
6.3.2 Cushions	
6.3.3 Canopy	
6.3.4 Tempered glass windows	
6.3.5 Fender list	
6.3.7 Hinges and latches	
6.3.8 MOB rescue & swim ladder	
6.3.9 Painted surfaces	
6.4 WINTER STORAGE/ SPRING PREPARATIONS	
6.4.1 Measures before winter storage	
6.4.2 Measures after winter storage	
6.5 SPARE PARTS & SERVICE	72
7 ATTACHMENTS	72





WELCOME ABOARD



WE WOULD LIKETO congratulate you on the purchase of your new boat and thank you for the faith you have placed in the dealer and Anytec.

We stand behind every boat we build with pride of craftsmanship and always strive to deliver the best boats available in our market segment. Anytec boats are always built to be extremely durable and have absolute top-class handling characteristics. An Anytec is built to be driven.

This Owner's Manual is intended to help you become familiar with your new boat.

Your Anytec dealer will be happy to help you to maintain your boat and answer questions concerning operation, maintenance, warranty, performance, accessories, parts and service. Information and assistance is also available via our website www.anytec.se.

Enjoy your boating. Enjoy Anytec. See you at sea!

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I. INTRODUCTION

L.I ABOUT THIS OWNER'S MANUAL

The purpose of this owner's manual is to help you to use your boat in a safe and enjoyable way. The manual includes detailed information about the boat, 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.

At Anytec, we believe that you shall be free to choose a suitable outboard engine for your specific needs. For this reason, the boat manual cannot be very detailed on engine related topics. Often, a reference to the engine manual or other specialised components is made. We advise you to read the engine and engine instrumentation manuals carefully, and do not hesitate to ask for help from experts.

Likewise, the boat may have been customised or modified by another party than Anytec, either when new or later in its lifetime. This manual alone may not be enough If your boat deviates from the data, standard equipment and optional equipment specified in this manual. Please consult the party who modified the boat and any manuals provided by them.

The owner's manual alone is not a sufficient source of information on seamanship and boating safety. If this is your first boat or the boat type is not familiar to you, ensure your safety and comfort by obtaining sufficient experience in handling and using the boat before you assume the responsibilities of the boat master. Your boat dealer, local boating clubs and national motor boat and sailing associations will provide you with more information about local training in boating and will be able to recommend qualified instructors.

In some countries, operation of the craft may require a permit or authorisation, and special regulations may apply. Your boat may also have to be registered with the proper navigation authorities. A Declaration of Conformity is part of the documents that you receive with the boat and it must be kept aboard with other official documents at all times, and may be mandatory when registering the boat.

This owner's manual is not a detailed service and troubleshooting guide. In case of problems please contact your local Anytec dealer. Modifications that affect the safety features of the boat are to be performed only with the builder's written authorisation. The builder assumes no responsibility for unauthorised modifications. Always keep your boat in good condition and make allowance for the deterioration that may occur over time. Be careful to observe any signs of wear caused by age, heavy use or abuse. Any boat, no matter how strong it is, may sustain severe damage if used inappropriately.

Always adjust the speed and the heading of your boat to suit the prevailing sea conditions. Make sure the forecasted wind and sea conditions match the design category of your boat and that you and your crew can navigate the boat in the conditions that may arise. Wind and sea conditions for design category C range from storm to strong wind with a danger of unusual waves and gusts. These are dangerous conditions that necessitate a skilled and fit crew and a well-maintained boat.



If your craft is equipped with a life raft, study its instructions carefully. The boat must be equipped with the appropriate safety equipment (life vests, safety harnesses, etc.) as required for the boat type and the weather conditions. In some countries, this equipment is compulsory. The crew must be familiar with the correct use and operation of all safety equipment and be able to handle the boat in emergencies (including rescuing a person who has fallen overboard, towing, etc.). Yachting schools and clubs arrange rescue training and practice opportunities on a regular basis.

Everyone aboard the craft should wear a suitable personal flotation device (life vest or boating vest). Cold waters quickly reduce the ability to swim and climb onboard, so fast assistance is crucial. Please note that in some countries national boating regulations may require everyone aboard to wear a personal flotation device whenever on board.

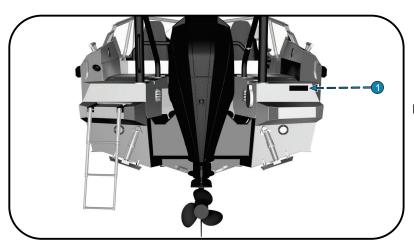
Finally, please pay respect to the environment by complying with good practice as well as local, national and international (Marpol) regulations. Thank you!

1.2 GENERAL DESCRIPTION

The boat is primarily intended for private and leisure use. The boat has a bow cockpit and a stern cockpit. The stern cockpit can be covered by a canopy and closed by a front door. The boat is of single hull type entirely made of aluminum, so are the handrails and cleats. The boat is designed and built according to the standards for CE approval in category C and is designed to be propelled by a single outboard engine.

1.3 CRAFT IDENTIFICATION NUMBER (CIN)

The starboard stern storage engraves the Craft Identification Number. All correspondence related to the boat must include the CIN.



. CIN location



1.4 EXPLANATION OF SAFETY LABELS

The labels that advise the owner/operator regarding necessary safety precautions are mounted at the key locations of your boat (refer chapter 3.7 to learn their location). These safety precautions should be followed while operating/servicing the equipment and hence are duplicated in this manual. These precautions are not all-inclusive. Always follow the recommended instructions given in this manual while operating your boat.

- · Do not remove or obstruct any safety label.
- Replace the labels which become illegible; you can obtain this replacement by calling your dealer.

This manual includes labels explained to highlight particularly important topics. They are divided into 4 different categories as explained below:



DANGER

DANGER—Immediate hazards will result in severe personal injury or death if the warning is ignored.



WARNING

WARNING—Hazards or unsafe practices which can result in personal injury or death if the warning is ignored.



CAUTION

CAUTION—Hazards or unsafe practices which may result in personal injury, product or property damage if the warning is ignored.



NOTE

NOTE— Provides information which is important to make proper operation or maintenance.

1.5 DEALER RESPONSIBILITIES

In addition to a pre-delivery check and service of the boat, your dealer is to provide:

- A description and demonstration of the safety systems, features, instruments and controls on your boat
- An orientation in the general operation of your boat
- · A review of all warranty information and how to obtain warranty service
- The Owner Information Package

If you do not receive all of these, or have any questions, contact your dealer.



1.6 WARRANTY

The dealer who has sold you the boat gives information regarding product warranty, terms and conditions. If for some reason such information is not provided, or any of the below steps fail, contact Anytec...

Registration

The boat must be registered to ensure correct warranty management. Please contact the dealer from whom you have purchased the boat. If that is not possible, please contact Anytec Sweden or any Anytec dealer.

Transfer of Warranty

Please contact the dealer from whom you purchased the boat to arrange the transfer.

1.7 INSURANCE

Boat insurance is mandatory in many countries. We recommend you to contact a trusted insurance company in your country before you own the boat.

1.8 SECURMARK ANTI-THEFT MARKING AND TRACKING SYSTEM

Your boat has a unique code number sprayed in different places of your boat: to prevent theft, and locate the boats after a theft. It is visible through special tools used by the authorities. The code is added at the factory and enables them to access the boat and owner details from a database.

The SecurMark system requires a subscription and Anytec pre-pays it for the first 12 months after you register your ownership details. We encourage you to activate SecurMark and continue the subscription after the first 12 months of free service. You may also mark and register your engine. Ask your dealer for help to register and provide further information if needed. Anytec bag provides the printed info from SecurMark.



2. OPERATING THE BOAT



WARNING

Before operating the boat for the first time, make sure that you read and understand the operation and safety topics given in owner's manual.

2. I SAFETY ROUTINES BEFORE LEAVING SHORE

Familiarise yourself with this owner's manual. Always check the following items before leaving the shore:

2.1.1 Weather and forecast

Consider the wind, waves and visibility. Are the design category, size and equipment of your boat, as well as the skills of the skipper and crew, sufficient for going to the water?

In strong winds and rough seas all portholes, doors, hatches and vents must be closed to prevent water from getting into/onto the boat.

2.1.2 Loading

Do not overload the boat, distribute the loads appropriately. For stability: do not place heavy loads high up (refer to chapter 3.3, 3.4 and 3.5). You can always check the CE-plate for maximum allowed loading.

2.1.3 Passengers

Ensure that there are life jackets for everybody on board and instruct passengers to be seated while the boat is in motion. Refer chapter 3.6 for the location of passengers. Make sure all members of the crew understand their specific tasks, before leaving the shore. It is recommended that at least 2 passengers can operate the boat.

2.1.4 Fuel

Check that there is enough fuel, plus a reserve tank for harsh weather etc. Look for any fuel leaks.

2.1.5 **Engine**

Check the functioning and condition of steering, electrical equipment and batteries, also carry out the routine checks specified in the engine instructions handbook.

2.1.6 Fastening of objects and closing of doors and hatches

Make sure everything on board is secured appropriately (preferably stored in the hatches) in the event of high winds, fast maneuverers and rough seas. Check that the deck drains are not blocked. Close and secure hatches to avoid water ingress.



2.1.7 Nautical charts

While navigating on unfamiliar waters, ensure that you have nautical charts covering a sufficiently large area. Even if you are having a chart plotter, you should carry regular charts onboard. There is always a risk for technical malfunction of electronic devices; therefore, regular charts are also important.

2.1.8 Safety check of the boat

- · Check that hatches are closed and watertight.
- Ventilate the stern sofa storage where batteries are installed. Ventilate the bow sofa storage where the Webasto fuel tank (optional) is installed; to remove any gases or fumes.
- Make sure that at least one person onboard knows the location of the firefighting equipment.
- Check that bilge water is at minimum, and the electrical pump is working (manual operation).
- Check the navigation lights, if you expect darkness.
- Check for any leakage of water into the boat/fuel from tanks/fuel lines.

2.1.9 Inform about your route

Always inform someone on the shore about your planned route, to enable fast support in case of problems.

2.1.10 Safety equipment

The sea can be unpredictable. Be prepared by carrying the following equipment, as a minimum, at all times:

- · Life jackets for each person onboard
- Appropriate weatherproof clothing
- Compass
- Charts (printed)
- Anchor and line
- Towing and mooring ropes
- · First-aid kit and thermal blanket
- Bucket
- Emergency flares/signals



- VHF radio and water protected GSM phone (subject to coverage)
- Binoculars
- Knife (to cut tangled ropes)
- Drinking water

2.2 Emergency engine shutdown switch

An engine shutdown safety switch is built into the engine control; it incorporates a shut-off switch and a lanyard. Before operating the boat, connect one end of the lanyard to the shut-off switch while the other end to the operator.

If the engine needs an urgent shut down: pull the lanyard cord to release it from the shutoff switch, which in turn shuts down the engine. This switch is designed to shut the engine off when the boat operator leaves the control station, either accidentally by falling into the boat, or by being ejected overboard.

The lanyard should be long enough to prevent unintentional activation. Do not let the lanyard become entangled and replace it if worn.

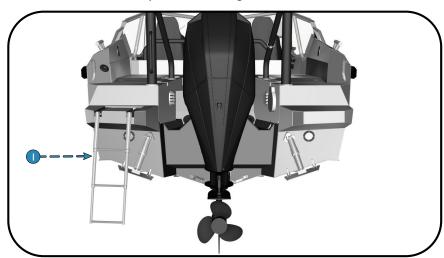


WARNING

Wear the lanyard at all times while operating the boat. Use it to stop only in an emergency. DO NOT use it to shut off the engine during normal operation.

2.3 Man-overboard prevention and recovery

Other areas must not be occupied when underway, due to the risk of falling potentially into the water. If a person has fallen into the water in calm seas, the person can use the rescue ladder located on the stern platform, refer figure below.



I. Safety Ladder



Always turn off the engine and activate the emergency (dead-man) switch before using the ladder. The ladder can be pulled down by a person already in the water. In harsh weather, or if the person is physically not able to climb, it may be hard to use the ladder alone and help from a person onboard may be needed. Therefore, it is recommended for two persons onboard, especially during harsh weather conditions.

Chapter 4.8 further describes MOB rescue/swim ladder.



WARNING

A rotating propeller can be harmful for a swimmer or person who has fallen overboard, or a person using the ladder to board the boat or to enter the water. Shut down the engine and activate the emergency switch (dead man's switch) if there is any person in the water behind the engine, and always before using the ladder.

2.4 FIRE PREVENTION

Fire is a serious boating hazard; because boats burn quickly. Do not remain onboard and fight a fire for longer. If the fire is out of control and cannot be put out with the fire suppression equipment onboard, abandon the ship immediately.

It is the ultimate responsibility of the boat owner to inspect and maintain the boat's fire prevention and fire-fighting equipment. This chapter covers fire prevention and fighting measures related to the fuel-driven systems onboard the boat. For details of each system/ component, please refer to their specific chapters (e.g. chapter on stove, heater and fuel tank).

2.4.1 Fire extinguisher

The fire extinguisher is located inside the starboard pulpit, behind the door. A safety label is attached on the pulpit to show the location. Make sure you know how to remove it and use it.

The boat, when in service, shall always be equipped with the following portable fire extinguisher class:

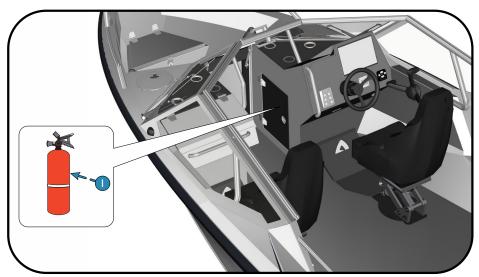
Fire rating: I3A 89B C with a minimum of 2 kg capacity.

The boat owner/operator should:

- 1. Check the fire-fighting equipment at regular intervals; indicated on the equipment.
- 2. Replace portable fire extinguisher equipment, if expired or discharged, with devices of same fire-fighting capacity.
- 3. Ensure that the fire-fighting equipment is readily accessible when the boat is occupied.



- 4. Inform the crew members and passengers about the location and operation of the fire-fighting equipment, the fire port, escape routes and exits.
- 5. Unlock any deck hatches to enable firefighting inside storage areas and keep the fire port free.
- 6. Keep the bilges clean and check for fuel and gas vapors or fuel leaks frequently.



I. Fire Extinguisher

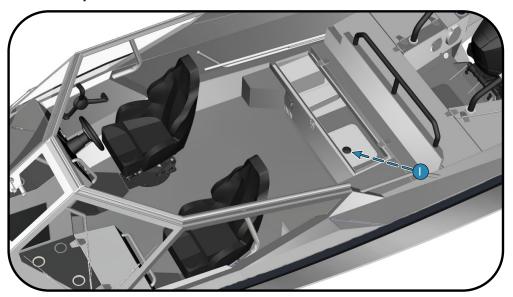


WARNING

Never obstruct passageways to exits/hatches, safety controls (fuel valves, LPG valves, electrical switches, etc.), portable fire extinguishers and fire ports; never allow unqualified personnel to modify any of the boat's systems. Have the fire-fighting equipment checked at the intervals indicated on the equipment.



2.4.2 Fire port



I. Fire port

The stern cockpit U-sofa storage is equipped with a fire port. The port makes it possible to detect and fight a fire below deck (bilge/tank area). The access to the fire port is through the U-sofa central hatch. The fire port location is shown on the below figure. It has a transparent cover, and an opening suitable for the fire extinguisher nozzle. In case of fire inside the bilge/ below deck area, introduce the nozzle to the fire port opening and activate the extinguisher. Replace the fire port if worn or damaged.

2.4.3 Refueling

Before you start to fill the engine fuel tank, turn off the engine and naturally any cigarettes or any other open flames like stoves, candles or lamps with flames. It is not allowed to use switches or appliances that can cause spark formation during fueling.

When filling the fuel tank, do not use a plastic funnel between the fuel gun or fuel container and the boat, as it prevents discharging the electric charge difference between the fuel pistol and the filling fitting and could cause a spark.

Always clean up any spillage immediately after fueling.

Loose reserve fuel containers onboard, should be stored in one of the stern storages behind the canopy garage (not the stern sofas in the cockpit!). They are ventilated and drained. Bow sofa-storages can also be used; they are ventilated but not drained. Always check fuel containers before each trip to detect leakages or smell of fumes.



A DANGER

Fuel and its vapors are highly explosive. Exercise extreme caution and follow these instructions while refueling. The smell of fuel always means that there is vaporised fuel in the boat. Never store fuel close to electric circuits or batteries. Do not use plastic funnels when fueling.

2.4.4 Webasto heater, optional equipment (diesel fuel)

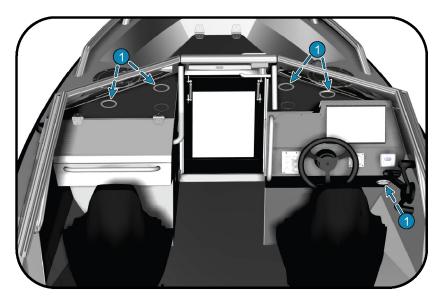
The heater is installed below the starboard helm, and is connected directly to a separate IOL diesel fuel tank located in the storage below the portside pulpit. It draws cool air under the helm, and releases hot air at the base of the windows and below the helm (see figure). It can be overheated or damaged if air vents are blocked.



WARNING

Do not plug or block any air outlets and inlets of the heater system. It can cause fire when the heater is in use. Always fill the diesel tank outside of the boat (refer chapter 4.16). Read the Webasto owner's manual carefully as it includes further instructions and warnings. Anytec recommends checking all the air and fuel connections for leaks each season..

To inspect the heater and its connections, open the storage door below the starboard pulpit and look to the top of the storage room.



Hot air outlets

For complete instructions on operation and maintenance, refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag



2.5 STARTING THE BOAT

2.5.1 Starting the engine

- Read the engine owner's manual carefully, as the boat may be equipped with several engine brands and models.
- Ensure that there are no fuel or oil leaks in or around the engine.
- Check that the main power switch is turned on (for location and function, see chapter 5.4).
- Make sure the engine gear shift is in the neutral position (propeller will not rotate
 when engine starts) and that the engine propeller is submerged properly in water,
 away from any objects or persons.
- Start the engine according to the manufacturer's owner's manual. If the engine does not start, or function poorly, check for instructions in the manual. If unsuccessful, contact your engine dealer (in most cases it is your Anytec dealer).

2.5.2 After starting the engine

(visible just below the engine hood, well above water level). If water does not flow out after start, Check the cooling water control beam, to ensure that the cooling system is working properly (visible just below the engine hood, well above water level). If water does not flow out after start, then engine overheating can cause severe engine damage.

Your engine is equipped with visual and sonic alarms for critical malfunctions such as overheating. Read the engine manual to understand these alarms. If alarm goes off, turn off the engine immediately and check the possible reason as per the manual. Contact the nearest Engine/Anytec dealer if the problem continues.



WARNING

Do not turn off the main power switch while the engine is running and ensure that no exhaust fumes get inside the boat or endanger others.

2.5.3 Leaving shore

The crew releases each mooring rope etc. as per your instructions. Make sure mooring ropes or other ropes does not tangle with the propeller.

Ask crew to be seated as soon as possible after leaving mooring position. For seating positions refer chapter 3.6.



The emergency shutdown switch

Attach the lanyard of the emergency switch (refer chapter 2.2) to your hand or foot, immediately after loosening the mooring ropes. More specific instructions can be found in the engine manual. Especially when you are driving the boat alone it is crucial that the boat stops if you fall overboard or stumble on board.

Remember to unfasten the lanyard from your hand before coming ashore or moving around in the boat. If not, an abrupt engine stop will occur and may cause fast boat movements.

2.6 OPERATING THE BOAT AT SEA

Learn the seafaring rules and the COLREG provisions (International Regulations for Preventing Collisions at Sea) and follow them. Navigate with care and make sure your charts are up to date. Boating regulations are available in bookstores or from local authorities. Always adapt your speed to the prevailing conditions, your skills and the environment.

This owner's manual is not a manual on good seamanship. The operator is always responsible to ensure that he/she has the right skills to operate a boat. Therefore, this manual does not substitute a course (or similar extensive experience) in boating and seamanship. Always take proper training if you lack such, or in any way feel insecure on boat handling and seamanship. Operating a boat can often be more demanding than driving for instance a car.

- Always make sure that the boat and safety equipment is in a good and safe condition.
- Always maintain an unobstructed view of the area around the boat to detect the dangers such as other boats or floating objects in your course, shallow waters or challenging water and weather conditions
- The view forward may be obstructed when the boat is passing the planing speed, as the bow raise. This may also happen in certain load and trim conditions. Be extra careful.
- Always adjust the speed and trim to the prevailing conditions. Be particularly careful
 when driving at high speeds and waves. For instance, a low bow in high waves or a
 tailwind may cause the bow to plunge into waves and fill the boat with water or may
 cause sharp and sudden direction changes.
- Sharp turns, a too low bow or sideways waves at high speeds may be very dangerous
 due to the risk of fast changes of directions causing passengers and the operator to
 shift and loose grip, potentially be hurt or lose control of the boat.



MARNING

- I. Adjust the engine trim and the trim system with care at high speed they radically change the behavior of the craft. Do not operate this craft with engine trim at negative angles (boat bow pushed down) or with the trim system set at a roll (boat leaning sideways) at high speeds. Craft may lean over on side or dive/plunge into waves. Instability in turns may result.
- 2. Waves impair handling. Reduce the speed in rough seas.
- Do not operate at high speed while in congested high traffic water ways or in weather and sea condition of reduced visibility, high winds or large waves. Observe and obey speed limit and no wake zones.
- 4. Handling is impaired as speed increases. Rapid turns can lead to loss of control. Slow down before sharp turns in either direction. Avoid rapid movements while driving at high speeds, in high waves and at strong winds.
- 5. Never operate the boat if the engine rated power exceeds the maximum recommended power.
- 6. Do not sit in the bow area (in front of cockpit) when the boat is moving at speeds higher than approximately 10 knots, or in conditions with high waves. Sudden boat movements may cause injuries.
- 7. Always use the Emergency Engine Shutdown Switch when operating the boat.

NOTE

- 1. "Ensure sufficient seamanship and operator training as mentioned in introduction", this book is not a training book for good seamanship".
- The International Regulations for Preventing Collisions at Sea (COLREG) and the
 rules of the road require that a proper lookout be maintained at all times and observance of right of way be respected. Always be certain to have sufficient distance
 to stop or maneuver if required to avoid collisions.

2.6.1 Trim of boat pitch (longitudinal angle)

The outboard engine has a built-in trim function which adjusts the angle of the engine versus the transom. Refer chapter 4.6.





The engine trim is used to adjust the bow up or down (the so-called pitch) while the boat is under speed. A well-adjusted engine trim will maximize safety and comfort, and will minimize fuel consumption.

Mastering the trim requires some practice so if you are uncertain, ask someone experienced for help. Correct trim is very important for a safe, comfortable and fuel economic ride, and for fast acceleration.

The basic directions to find optimal trim are as follows, and shall be done during flat water conditions:

Accelerate to planing speed (approximately 10 to 15 knots depending on conditions):

- Engine trim is used to help the boat accelerate as fast as possible from zero to planing speed, with an optimal pitch. Fast acceleration to planing saves fuel and improves the view.
- Engine trim shall be at maximum trim down position directly at the start.
- As the boat accelerates and reaches planing speed, the trim is changed from the trim
 down up to neutral trim, to keep the bow level or at a slight upward angle. Failure to
 do so causes the bow to plough deep into the water, preventing the boat to pick up
 speed and run safely.



Trim when running at speeds above planing

- When the boat is running at speeds above planing, the trim also needs to be adjusted.
 As speed, direction, load, wind or wave condition changes, new adjustments may be needed.
- Use the trim up, to lift the bow up slowly without change of throttle position.
 Follow the log to notice for how long the speed is increasing. When the speed is not increasing anymore, the trim is in the most fuel-economic position. Then lower the bow slightly to avoid the propeller loose grip.
- In head sea (boat running against waves), you may have to use the trim to lower the bow down to soften the vertical motions but be careful not to lower it too much due to the risk of a bow to plunge into waves.
- In the following sea, you may instead need to raise the bow up to prevent nose-diving.
- A safe ride is always more important than maximising speed/fuel consumption, so always trim for safety first.

Trim when lowering speed to below planing:

When you reduce speed below planing, or stop the boat completely, the trim should again be adjusted to trim down position. This improves manoeuvrability and makes the boat ready to accelerate fast next time.

2.6.2 Trim of the boat roll (transverse movement)

The boat is equipped with 2 Trim Tabs and a control unit for these (Refer chapter 4.7). Trim tabs can help you control and adjust the boat's roll (transverse movement). The boat's roll is affected by wind direction, wave direction, speed and how the boat is loaded. Heavy crosswind usually affects the boat the most.

By pushing down the trim tabs in the water, the hull resistance increases, and the bow is pushed downwards. By just pushing down one of the trim tabs, the boat can roll in the desired direction. The trim tab is used mostly to compensate for crosswind or unevenly distributed load, and thus avoid the boat tilting sideways.

The trim tabs can also be used to press down the bow in the water (the boat's attack angle), but usually, it is faster and sufficient to use the engine trim for this (Refer chapter 2.6.1). However, the trim tabs can be used to adjust the angle of attack on a longer journey under the same conditions, e.g. If you have much cargo in the bow. Fuel consumption may then be lower than using the engine trim. A rule of thumb is "big adjustments or long time with trim tabs, small adjustments or short time with the engine trim".

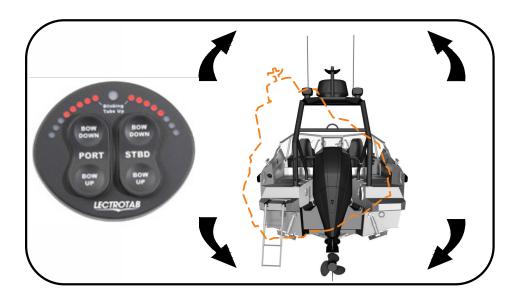


Learning to handle trim tabs in a good way requires some practice, so if you are unsure, you should ask someone who has experience for help. Proper trimming is essential for a safe, comfortable and fuel-efficient ride. Always proceed from a neutral position (trim tabs postponed) and then adjust a little at a time until the correct effect is reached.

Trim tabs are very useful, but it is important to understand their major impact on boat's sea properties. Incorrect use can seriously affect the boat's performance and driving characteristics, and cause an accident. Be careful and remember that these basic instructions are not a substitute for good seamanship and experience. Please read the manual carefully and contact your dealer or an experienced boat driver if you need further assistance.

The trim tabs are controlled from a control panel mounted on the starboard side of the steering wheel, see below figure.

When the boat's battery switch is switched on, the trim tabs are automatically calibrated and positioned in a fully up-angled position. In this mode, the boat has its basic handling characteristics and is not affected by the trim tabs. When the engine is turned off, the trim tabs also returns to fully-angled position. Read the Lectrotab Manual for best understanding.





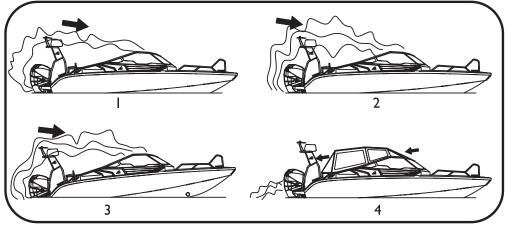
2.7 RISK OF CARBON MONOXIDE ACCUMULATION

Carbon Monoxide can accumulate in dangerous concentrations anywhere in or around your boat including on back decks, swim platforms, or in water around generator exhausts. CO can remain in or around your boat at dangerous levels even if your engine is no longer running.

To minimize the risk of Carbon Monoxide poisoning, consider the following:

- Make sure that there is good ventilation throughout the boat. This is particularly important when operating engine, stove or heaters that consumes oxygen and create fumes / CO.
- Never operate the engine with the canopy enclosed unless there is ventilation throughout the boat (i.e. forward and aft canvas panels are opened to allow air flow through the boat).
- Make sure that the air inlets on the cockpit side panels are open when the canopy is
 in use. They are supplied with fresh air from the outside air inlets.
- Never operate the boat with the canopy on and only the cockpit entry door opened.

Accumulation of Carbon Monoxide Examples



Principal figure only

- 1. Wind blowing exhaust towards boat occupants
- 2. Operating at slow speed or dead in the water
- 3. Operating with "bow high"
- 4. Good air flow open front and rear openings to let fresh air circulate





Fumes from the engine, heater, stove and other equipment that burns fuel contains Carbon Monoxide (CO) can kill you. Doors, air inlets and canopy ventilations/removable must be opened to allow fresh air to circulate. Study this chapter carefully.

2.8 Anchoring, mooring and towing

Mooring, anchoring and towing require specific skills and good seamanship. Always ask for advice when needed.

It is the owner's and operator's responsibility to ensure that mooring, towing and anchor ropes, anchor chains and anchors are appropriate for the vessel's intended use and in good condition. Wear and impact of knots should be taken into consideration. Also refer chapter 3.13 (strong points)

Mooring:

When coming ashore or mooring to a quay the boat must be properly secured. The boat, when moored, should withstand high winds and rough seas. The boat should not be moored with temporary fastenings if the crew is not nearby. Make sure other boats are not damaged by your boat and consider the effect of the wake of passing vessels.

Mooring ropes should be long enough and as horizontal as possible. The boat should be able to rise and sway without moving sideways. You normally need two mooring ropes for both bow and stern. Only use the strong point cleats, not the stem eye or secure eye. The ropes for the bow should be equipped with elastic shock absorbers and the ropes for the stem should be about the length of the boat. The points of contact between the rope and the clasps should be checked regularly for wear and tear.

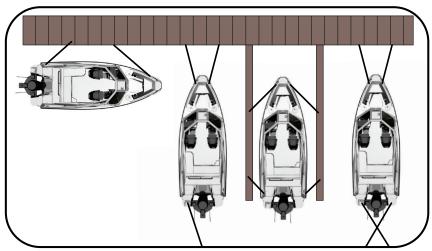
Moor your boat carefully, even in sheltered places, because weather conditions can change rapidly. Do not moor the boat with the stern facing the open sea, because high waves could flood the boat and sink it. Use loose fenders between the boat hull and any close objects such as other boats when there is a risk of contact.

If the boat is left unattended, turn off the electric power using the main power switch (for location and function, refer chapter 5.3).

Never leave your boat unattended for long periods. Observe the floating position of the boat so that the water line is at a normal level. Check for any water in the bilge. If large volumes of water accumulate in the bilge or at deck (for instance due to leakage, broken bilge pump, lack of electric power, flooding or blocked deck drains), the boat may be seriously damaged or sink as the deck drain system may not work as intended.



Examples of different types of mooring

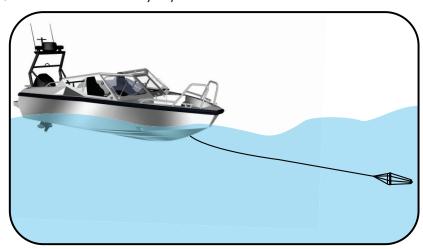


Anchoring:

When you anchor or land temporarily in a natural harbor, ensure enough water depth. Drop the anchor at a sufficient distance from shore, allowing time for the anchor to drop and grip and to release enough anchor rope/chain. The anchor rope/chain length should be at least 4-5 times the water depth. Choosing the right type of anchor and anchoring method requires boating experience, ask for advice when needed.

Storm anchor:

If you lose engine power at sea and waves are strong, keep the boat headed into the waves by rigging a sea anchor off the bow (below principal figure). If there is no sea anchor on board, use a canvas bucket or any object that will offer resistance.



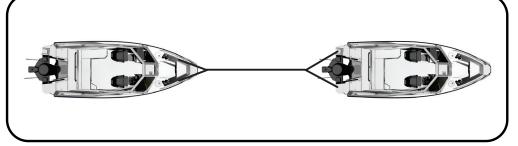
2. OPERATING THE BOAT PAGE 22



Towing:

Towing of boats is a very demanding and risky operation, requiring specific skills and experience. If possible use a professional towing company. If you have to tow or be towed on your own, be very careful and operate at very low speed.

If you tow another boat, use strong, floating towing rope. Begin by towing very carefully, avoiding twitches, and do not overload the engine. Adjust the length of the rope so that the boat can be steered in all situations. Boat's stability can be reduced when towing. Owners/ operators should also consider what action will be necessary when securing a tow line on board.





WARNING

- Do not stop the boat by hand and don't put your hand or foot between the boat and the quay, bank, or another boat. Practice landing in good condition, use engine power moderately but not tentatively.
- Towing or being towed can lead to fatigue of the boat's hardware and lines. Failure of any part can seriously injure people or damage the boat. Do not stand directly in line with the tow line. If the line were to break, it would "snap back" causing injury or damage to everything in its path.
- It is the owner's/operator's responsibility to ensure that mooring lines, towing lines, securing straps, anchor chains, anchor lines, anchors and methods used are adequate for the boat and situation.



CAUTION

- Always tow or be towed at a low speed. Never exceed the hull speed of a displacement craft
 when being towed. A tow line shall always be made fast in such a way that it can be released
 or cut off when under load.
- 2. Always take possible changes in wind direction and the rise and fall of the water level, as well as the wake of other boats, into proper account.
- 3. Breaking strength of ropes and chains must not exceed 80 % of the breaking strength of the strong point in question. See chapter about strong points
- 4. Never leave your boat unattended for long periods. Observe the floating position regularly and ensure that the bilge pump empties the bilge. Water accumulation in the bilge or at deck by may cause severe damage.

2. OPERATING THE BOAT PAGE 23



2.9 LIFE RAFT STORAGE AREAS

The boat is not supplied with a life raft. You should choose to equip the boat with a life raft, it can be installed either on the stern targa (if weather-proof) or be stowed in the stern sofa.

Most life rafts can be delivered with an installation kit, such as brackets for horizontal or vertical installation. There are many life raft types and manufacturers. Always consult experts on life rafts to choose the most suitable type and installation method. Please note that the boat weight and load figures do not include the weight of a life raft, so that it would reduce the load capacity.

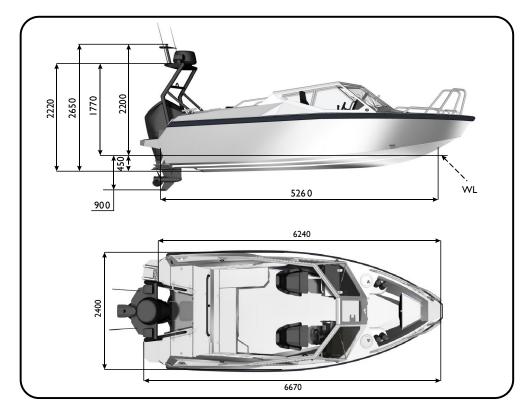


3. GENERAL INFORMATION

3.1 Basic boat dimensions & specifications

Length Over All, LOA	6670 mm
Length Water Line, LWL	5260 mm
Draft, Maximum with full load and largest engine, Tmax	900 mm
Beam Maximum, Bmax	2320 mm
Free Height, water level to top lantern, Ha	1770 mm
Weight, empty boat without engine, mLT	1156 kg
Weight, empty boat with engine, mLCC	1423 kg
Weight Trailering, for trailering and lifting (boat, engine, fuel, Anytec standard and optional equipment, liquids), mT	1635 kg
Weight Maximum (boat, engine, fuel, Anytec standard and optional equipment, liquids, crew, maximum luggage), mLDC	2085 kg
Maximum Crew (including driver), CL	6 persons
Engine Limitations	Single outboard, max 200 hp / 147 kW.
	Maximum engine weight 267 kg.
Fuel capacity, built-in tank	170 liters





3.2 Design categories

There are four design categories of boats based upon their ability to withstand wind and water conditions; this boat is designed under Category C.

Category A – Designed for winds that may exceed wind force 8 (Beaufort scale – 40 knots) and a significant wave height of 4m and above.

Category B -- Designed for winds that include up to wind force 8 (Beaufort scale – 40 knots) and significant wave height up to and including 4m.

Category C - Designed for winds that include up to a wind force 6 (Beaufort scale - 27 knots) and a significant wave height up to and including 2m.

Category D – Designed for winds that include up to a wind force 4 (Beaufort scale -16 knots) and a significant wave height up to and including 0.3m, with occasional waves of 0.5m maximum height.





WARNING

Do not attempt to boat in severe weather conditions. Death or serious injury can occur. Get to shore before the weather turns bad.

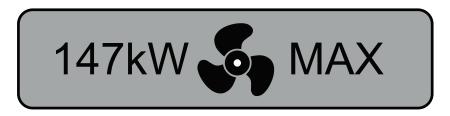


The significant wave height is the mean height of the highest 1/3 of the waves, which approximately corresponds to the wave height estimated by an experienced observer. Some waves will be double this height.

3.3 Engine requirements

Your boat is designed to be propelled by a single outboard engine. The maximum propulsion power rating for the boat is shown on the CE plate (refer chapter 3.5) and is mentioned in the above table 3.1. Do not operate this boat with an engine power rating higher than the maximum power rating rated by Anytec.. Unless the Anytec installs the engine, it is the responsibility of the party installing the engine to comply with all specifications, rules and regulations related to outboard engines.

Do not hesitate to ask for an introduction to engine operation and maintenance, and always read the engine, engine control and engine instrumentation manuals thoroughly.



Anytec strongly recommend that you fully comply with the owner's manual provided by the engine manufacturer.



WARNING

Do not operate this craft with an engine of rated power greater than that specified in this manual and on the load capacity label. Do not operate at maximum speed while in congested waterways, or in weather or sea conditions of reduced visibility, high winds or large waves. Reduce speed and wake as a courtesy to others. Observe & obey speed limits and no wake zones. Stud this manual carefully before starting the engine and operate the boat.



3.4 Vessel stability and buoyancy

The following maximum load has been used for assessing the stability and buoyancy comprising:.

Manufacturer's maximum recommended load per ISO 14946	663 kg	
Fuel, fresh water, other fluids to maximum capacity of fixed tanks	135 kg	
This assessment has been made assuming that		
The boat in the empty boat condition has a mass of	1070 kg	
Weight of maximum crew	450 kg	
Luggage & carry on weights	60 kg	
The maximum recommended engine outboard mass is	267 kg	
Note: All standard and extra equipment list	ed in this manual is aboard	

Your boat is manufactured to specific stability and flotation standards for the capacity shown on the certification plate. Maximum recommended load included the weight of all persons aboard, all provisions and personal effects, cargo (if any) and all consumable liquids (water, fuel, etc.). Any increase from the recommended load capacities will put your boat in jeopardy of capsizing, swamping and sinking.

Also, any changes to the masses aboard may significantly affect the stability, trim, and performance of the boat. Stability can be considerably affected by loose fluids or weight within the vessel. Keep the bilge area as dry as possible, and in rough weather or at planing speeds, keep all openings, hatches, lockers, doorways, and windows closed to minimize flooding. Breaking waves are a serious stability hazard. Finally, stability can be compromised when towing or lifting heavy weights using a davit or boom.

3.5 LOAD CAPACITY / CE SIGN

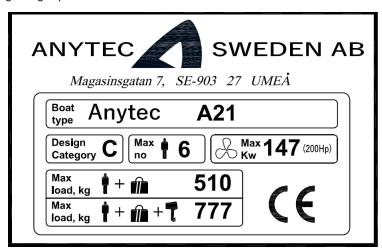
The load capacity plate, located on the freeboard next to the portside passenger seat, indicates the maximum weight and number of persons your boat can handle under calm sea conditions. It also states the maximum engine power and weight. Do not exceed the capacities stated. A full explanation of this information can be found in the relevant sections of this manual.

The information present on the certification plate does not relieve the operator of responsibility. Use wise and sound judgement when placing equipment and passengers on your boat.



MARNING

- Do not exceed the maximum recommended number of persons. Regardless of the number of persons on board, the total weight of persons and equipment must never exceed the maximum recommended load. Always use the seats/seating spaces provided.
- When loading the craft, never exceed the maximum recommended cargo /luggage load.
 Always load the boat carefully and distribute loads appropriately to maintain design trim
 (approximately level boat), and secure loose equipment when underway. Avoid placing heavy
 weights high up.



3.6 Passenger locations and embarking/disembarking

The figure below shows suitable passenger locations and where to step while embarking/disembarking the boat.

Ask passengers to be seated while the boat is moving, and to hold on to handrails when seated and while embarking/disembarking. Do not use the bow cockpit when operating the boat at higher speeds than 10 knots, or in high wave conditions.

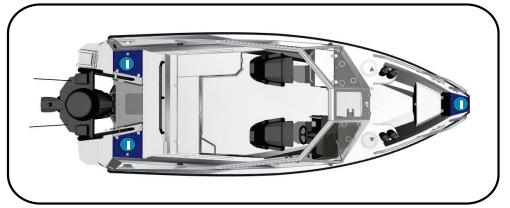
The safest and recommended point of embarking/disembarking is the bow. The anti-slip patterns cover the elevated bow deck and there are handrails to hold on to.

When moored steadily alongside a jetty, passengers may also use the SB and PS stern step areas next to the targa bow, refer the figure given in page 30.

Be very careful as the surfaces are narrow and may be slippery when surfaces, shoes or feet are wet or dirty. Be aware of that the boat may move due to the shift of weight and waves. Make sure the distance to the jetty is short enough and the boat cannot move away from the jetty. Hold on tight to boat handrails and firm objects on the jetty and ask for support from fellow passengers.

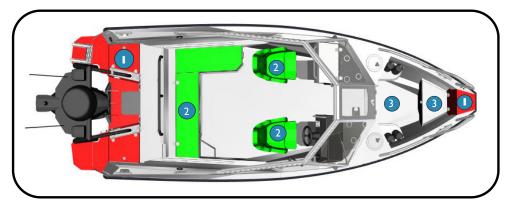


Embarking/disembarking area



The safest and recommended area

Passenger positions



- 1. Area to be used during anchoring, mooring and emergency operation
- 2. Area to be used at speeds above 10 knots
- 3. Area to be used at speeds up to 10 knots.



DANGER

Surfaces are slippery when wet or dirty. Use extreme caution when walking on wet surfaces. Never occupy the working decks while the boat is underway. Hold on to handrails and structures to the extent possible.

Be aware of your footing while the boat is underway. Slipping or falling can result in serious injury or death, especially if the boat is in motion or in rough seas. Keep the cockpits clean, so if movement is necessary, it will be free of obstructions.



MARNING

Do not sit in the bow area (in front of cockpit) when the boat is moving at speeds higher than 10 knots, or in conditions with high waves.

3.7 SAFETY LABEL LOCATIONS

Mounted at key locations throughout your boat, and duplicated in this chapter, are labels which advise you of imperative safety precautions. Learn to recognize and understand the labels before operating the boat. These precautions are not all-inclusive.

Location: Next to the fuel filling cap

Meaning: No open flames in boat when fueling. Inspect fuel system at least annually.



Location: At the door of the starboard pulpit storage.

Meaning: Shows location of fire extinguisher

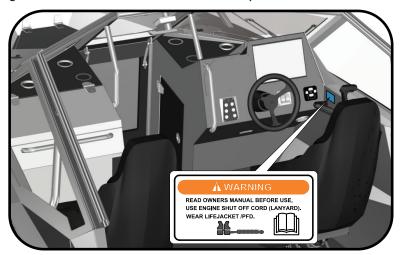


3. GENERAL INFORMATION PAGE 31



Location: Next to the throttle, at helm area

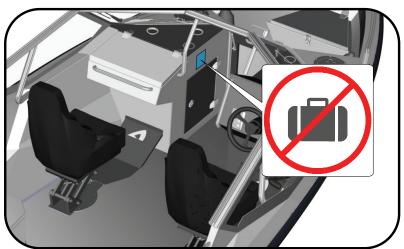
Meaning: Read this manual before using the boat. Always wear PFD/lifejacket, operator to use the engine shut-off cord when the boat is underway.



For boats with Webasto heater (optional):

Location: At the hatch where the Webasto fuel tank is stored.

Meaning: Do not store any items/luggage in this compartment as it may block the ventilation of fumes from the Webasto fuel tank.



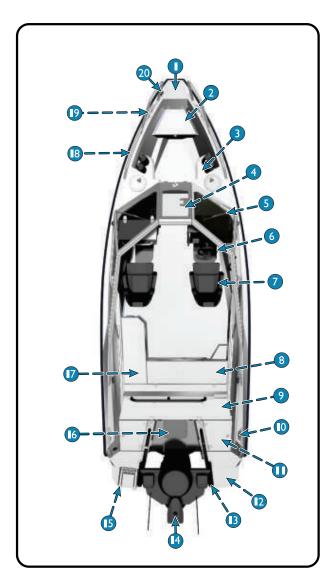


Do not remove or obstruct any safety label. Replace any label which becomes illegible. Replacement to the safety labels can be obtained by contacting your dealer.



3.8 BOAT LAYOUT

3.8.1 Boat layout. Standard equipment

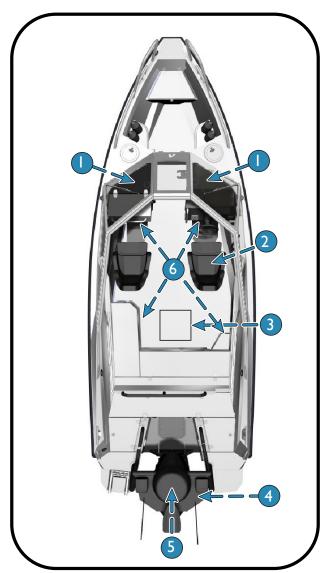


- I. Bow platform
- 2. Bow sofa & storage
- 3. Bow storage (PS&SB)
- 4. Front door
- 5. Wipers (PS&SB)
- 6. Steering wheel
- 7. Anytec stand & seat (PS&SB)
- 8. Main electric panel inside sofa
- 9. Canopy garage
- 10. Stern cleats
- 11. Stern storage (PS&SB)
- 12. Swimming platform (PS&SB)
- 13. Targa tower
- 14. Top light
- 15. MOB rescue & swim ladder
- 16. Motor well access plate
- 17. Cockpit sofa & storage
- 18. Bow rail (PS&SB)
- 19. Bow cleats (PS&SB)
- 20. Secure eye



3.8.2 Boat layout, optional equipment

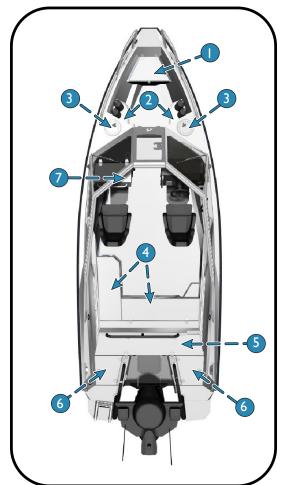
Configuration I::



- Webasto heater (SB) and fuel tank (PS), installed in the storages under the helms
- 2. Anytec performance suspension seat stands
- 3. Table
- 4. On targa top: Search lights, IR cameras, VHF antenna
- 5. 3G or 4G radar system antenna (radar module is under helm)
- 6. Audio system (remote on helm, audio box below helm) with loudspeakers in cockpit



3.9 STORAGE AREAS



- I. Bow sofa storage
- 2. Fender holders (PS & SB)
- Bow watertight storages (PS & SB)
- 4. Cockpit sofa storage
- 5. Canopy garage
- 6. Stern storage (PS&SB)
- 7. Glove compartment (navigator storage)

4

WARNING

- Do not store any equipment containing petrol (outboard engines, portable petrol tanks, etc.)
 in the stern cockpit sofa. The stern cockpit sofa was not designed to store petrol since it
 contains electrical equipment which may cause sparks.
- 2. Do not store any equipment in PS pulpit storage if you have the optional Webasto fuel tank installed there. You block the air ventilation or damage the fuel line.
- Do not fill ventilated storage compartments with goods/equipment to the extent that hinders the. Ventilation is needed to remove gas and fumes that may occur in these areas. Be particularly careful with the storages below the stern cockpit sofa as it contains batteries and electric breakers/fuses.



3.10 THRU HULL LOCATIONS

The figure given below shows the locations of thru hull locations. All openings except bottom plug are located above water level even if the boat is fully loaded (max load acc. to this manual, mooring in flat water conditions).



- I. Bow cockpit drain
- 2. Stern cockpit drain
- 3. Fuel ventilation / overfill
- 4. Bilge pump outlets (manual and electric)
- 5. Webasto heater exhaust (optional)
- 6. Bottom plug



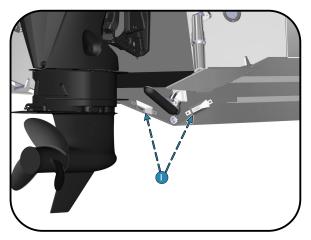
WARNING

This boat has an underwater fitting on the transom plate with a drain bottom plug (see figure). This plug must be in place and tightened before the boat goes into the water. The boat will sink without this plug in place.



NOTE

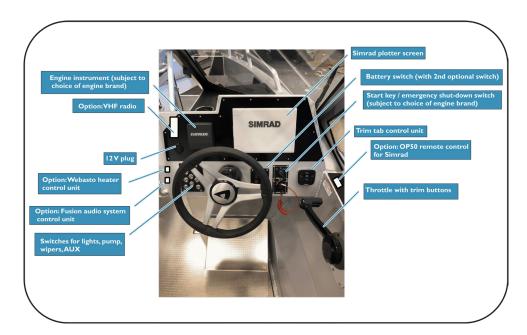
The deck drains provide self-bailing capabilities while the boat is static in the water. This prevents accumulation of water in the cockpit, for instance generated by rain.



Bottom plug

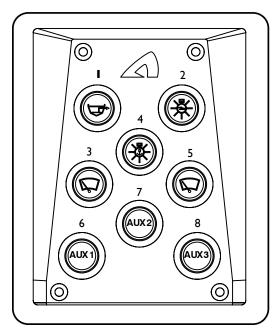
3.11 DASH LAYOUT (STANDARD AND OPTIONAL EQUIPMENT)

3.11.1 Dash layout





3.11.2 Dash switch panel



- I. Bilge pump
- 2. Navigation lights
- 3. Wipers low speed
- 4. Anchor light
- 5. Wipers high speed
- 6. Auxilliary button I
- 7. Auxilliary button 2
- 8. Auxilliary button 3

3.12 TRAILERING

Anytec do not offer a specific trailer for this boat. Your Anytec dealer can recommend or sell you a suitable trailer. Before placing your Anytec boat onto any trailer, make sure that the trailer is designed for your boat weight and its shape.

- The trailer should have a bow rest, center keel rollers and keel guards/wobble rollers
 which will distribute the weight properly, offering good support for the keel and
 hull in both vertical and horizontal direction. Adjust the side supports so that the
 maximum boat weight rests on the keel supports and the supports on sides offer
 only lateral support.
- The mass of your boat in trailering condition is found in chapter 3.1. This includes
 the weight of the maximum size engine and a fully optioned boat along with full liquid
 loads. This does not include luggage/gear weight, any crew or any water inside the
 boat. Always remove any unnecessary weight such as loose accessories and luggage
 from the boat and drain the bilge water before trailering.
- Refer to the engine manual for any specific instructions on trailering, such as the best engine position and securing method.
- Make sure you secure all loose items in the boat. Do not use the canopy, boat
 covers or other similar top or cover on the boat during trailering. These can become
 detached at high speeds and damage the boat and cause a danger to traffic.



 Always secure the boat to the trailer using suitable straps attached to boat cleats and trailer strong points. Be careful not to damage the boat fenders. Apply cloths between fenders and straps and do not tighten straps so hard that fenders are deformed. If possible, try to fasten the straps in an angle as shown in the figure below.



I. Cloths between fender & straps

Principal figure only



Tightening straps too hard across the boat fender may damage the fender. Be careful and use rags or other material between fender and straps/ropes.

3.13 Strong Points

Cleats

Your boat comes equipped with 4 cleats, two located at the bow, and two located at the stern. The cleats are used for mooring, anchoring and towing.

The locations of the strong points that can be used for anchoring, mooring and towing is shown in the figure given below. Note that amid ship cleats are only intended for mooring

The break strength and intended use of the strong points are as follows:

Bow cleats (PS & SB), anchoring/mooring/towing:	23.6 kN
Stern cleats (PS & SB), anchoring/mooring/towing:	15 kN



Bow Eye

Your boat includes a bow eye, which is used to haul and hold your boat onto a trailer, and a securing eye for locking the boat with a chain. These eyes are not designed for lifting, mooring, anchoring or towing of the boat.



- I. Bow eye (trailer/winch eye)
- 2. Bow cleats (PS&SB)

- 3. stern cleats (PS&SB))
- 4. securing eye (lock eye)



DANGER

Use only the lifting procedure specified in this manual. It is dangerous to use cleats, secure eye or bow eye for lifting and can cause serious injury or death



CAUTION

Breaking strength of ropes and chains must not exceed $80\,\%$ of the breaking strength of the strong point in question.

3.14 LIFTING OF THE BOAT

Commission only a reputable lifting company or boatyard with sufficient lifting capacity to lift the boat. In addition to the boat's weight, also take into account the equipment, and other possible loads in the boat. Always empty any bilge water before lifting.

The figure given below shows the position of the lift straps. When lifting the boat with lift straps, Anytec recommends using a forklift or lifting frame to separate the straps from the upper hull and fender. The straps need to be vertical. If these recommendations are not followed, there may be damages on both hull and fender; any warranty does not cover these.



During the lift, make sure that the boat is well balanced and be careful with rails and other equipment. Ensure that lifting straps do not slide in any direction either on the boat or the lifting device.

Cover hoist/lift devices with soft material to prevent scratches. Do not stand under the boat while lifted.



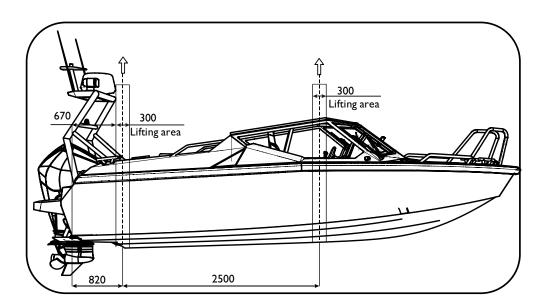
DANGER

Never stand under the lifted boat. Use only the lifting procedure specified in this manual. It is dangerous to use the cleats, secure eye, bow eye, handrails or other parts of the boat for lifting and can cause serious injury or death.

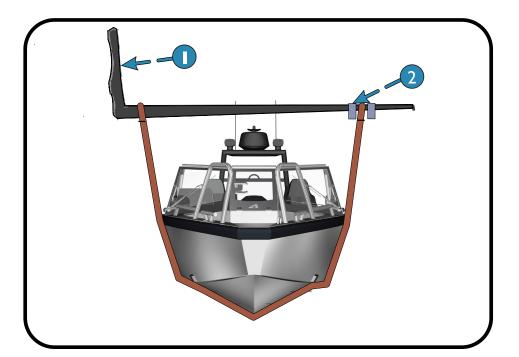


WARNING

Lifting heavy items is always risky and requires specific skills. If you lack that, or in any way feel uncertain, always contact a professional lifting company or other experienced person.







- I. Loader fork
- 2. Anti-slip lock

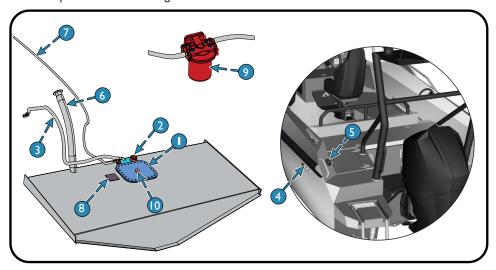


4. SYSTEMS & COMPONENTS

NOTE

This chapter is based on Anytec-listed standard and optional equipment. Any other equipment or systems added (custom-made boats, aftermarket products and so on) are not covered here.

Furthermore, outboard engine and engine control instrument details are not included. The engine can be of multiple brands and models, in the choice of the dealer and customer. Please check the manuals provided with that engine or consult the dealer who installed it.



- I. Fuel tank inspection hatch
- 2. Fuel level
- 3. Fuel vent hoses
- 4. Fuel vent
- Fuel fill lid

- 6. Fuel fill hose
- 7. Fuel line
- 8. Fuel tank pressure test plate
- 9. Fuel filter
- Fuel remove plug for long term storage

4.1 FUEL SYSTEM

Your boat's fuel system consists of a fuel tank, a fuel tank fill and vent fitting, an anti-siphon valve, a sending unit, and an engine fuel supply line. Besides, there are two extra fuel ports for optional pickups, if needed.

The factory-mounted boat fuel system (excluding engine) is designed to handle regular gasoline as well as ethanol-blended gasoline with ethanol content not greater than 15 % (like E85). However, the engine may not be designed for ethanol-blended gasoline. Before introducing petrol with ethanol into your fuel tank, ask your dealer if there is an engine or any components have been added or replaced that may not be ethanol compatible.

4. SYSTEMS & COMPONENTS PAGE 43



4.1.1 Fuel tank

The A27 boat is equipped with an aluminium fuel tank with a capacity of 390 litres. As a precaution, all capacity may not be useable due to trim and loading conditions, so consider keeping at a minimum 20% of reserve fuel in the tank.

Fuel tanks with levels less than 20% capacity can cause engine stalling problems due to fuel starvation or by allowing sediment and dirt to enter the fuel supply lines. Keep the tank full and monitor the fuel level often to prevent this from happening

4.1.2 Filling the tank

Ensure that the right type of fuel is selected (check engine manual). When filling the tank, do not attempt to top off the tank. When the nozzle shuts off, the tank is full, and continuing to fill past the fuel fill shut-off will cause the system to spit back some fuel.

Before fuelling, carefully read the chapter on Fire Prevention in this manual!

4.1.3 Phase separation

Humidity and condensation in your fuel tank can adversely affect the function, in particular with ethanol blended fuel. A condition called phase separation can occur if water is drawn into the fuel beyond the saturation point. The presence for water in the fuel beyond the saturation level separates most of the ethanol in the fuel from the bulk fuel and drops to the bottom of the tank, significantly reducing the level of ethanol in the fuel mixture in the upper level (phase). If the lower level (phase), consisting of water and ethanol, is deep enough to reach the fuel inlet, it could be pumped directly into the engine(s) and cause significant problems. Engine problems can also result from the reduced ethanol/fuel mixture left in the upper phase of the tank, or just from the water contamination.

If phase separation occurs, your only remedy is to drain the fuel, clean and dry the tank completely and refill with a fresh, clean tank of fuel.

To avoid these problems avoid water accumulation in the tank. Try to maintain a high fuel level in the tank, in particular when the boat is not in use for longer periods. This reduces the air flow in and out of the tank due to changes in temperature as well as limiting fuel exposure to humidity and condensation.

4.1.4 Fuel filter

As a part of the fuel system, a fuel filter is installed in-between the tank and the engine. There is always an external filter mounted in the boat. The exact location varies between engine brands and engine installation companies. Some engines also have a filter under the engine hood.

Maintenance of the fuel filter is essential to secure a reliable operation. For some engines, the filter can also be connected to the instrumentation and provide a warning if it need maintenance.

Please check the instructions provided by the dealer who installed the engine.





DANGER

Petrol vapours can explode. Never smoke while handling or filling up the petrol tank. Leaking fuel is a fire and explosion hazard. Inspect the fuel system annually to make sure that there are no leaks and corrosion in the system.



WARNING

- 1. Do not obstruct or modify the fuel ventilation system, as that could cause fires or explosions.
- 2. Do not store any equipment containing petrol (outboard engines, portable petrol tanks, etc.) in any cockpit storage areas. These compartments were not designed to store petrol and do not have adequate ventilation.



CAUTION

Gasoline fuels with ethanol content, like E85, could seriously damage your engine and void warranty. Always check the engine owner's manual for fuel recommendations and any approved additives before the first use.

For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.

4.2 STEERING SYSTEM

As standard, this boat comes equipped with a hydraulic steering system consisting of a steering wheel, a hydraulic helm pump, hydraulic hoses and a hydraulic steering cylinder. An optional steering wheel with tilt function (to adjust wheel angle) is also installed on certain boats. However, depending on the engine brand and model, the steering system may have been upgraded to either:

- A hydraulic steering system as above, but with power servo for easier turning. The servo is then located in the stern electrical compartment.
- A system with electronic steering control combined with hydraulic servo and cylinder. The steering wheel controls the power servo by wires instead of hydraulic hoses. The power servo is installed at the stern electrical compartment.

For complete instructions on operation and maintenance, refer to separate OEM owner's manual that was developed specifically for this equipment. It is provided by the party who installed the engine.



WARNING

Failure of the steering system will cause loss of control of your boat. Any change in steering such as looseness, tightness, binding, etc., must be checked immediately by a qualified person



CALITION

All components of the steering system must undergo periodic inspection & maintenance to ensure safe operating conditions. Refer to the maintenance section of this manual for further details.



4.3 Navigation Lights

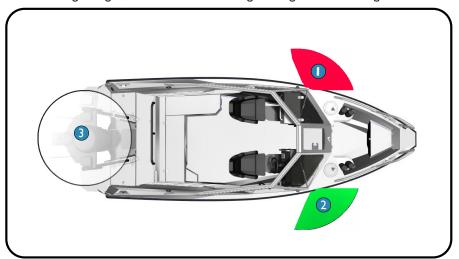
Your boat comes equipped with navigation lights for use at night or in low visibility conditions. The use of navigation lights at low visibility conditions is mandatory in most countries and waters; it is always important for your own, as well as other's safety at sea. Local regulations may vary.

The navigation light switches are located at the dash switch panel.

To turn on the Navigation Lights, press "Navigation lights" button (refer chapter 3.11.3). This illuminates the port (red), starboard (green) and all-around light (white) showing other vessels that you are underway.

There is a separate button to active the Anchor light. If activated, only the white all-round light turns on. To turn off the Navigation Lights, press "Navigation lights" or "Anchor light" buttons again.

Prior to running at night, make sure that all navigation lights are working well.



Principal figure only

- 1. 112.5° Port navigation light (red), visible 2NM
- 2. I 12.5° Port navigation light (green), visible 2NM
- 3. 360° All around light (white), visible 2NM

4.4 BILGE PUMPS

Your vessel is equipped with two bilge pumps, one electrical and one manual.

The electrical pump is located in the bilge near the transom, and the manual pump is located on the outside of the stern cockpit, close to the engine well.

Access to the aft electrical bilge pump is via the motor well access plate, while the stern platforms can access the manual bilge pump.



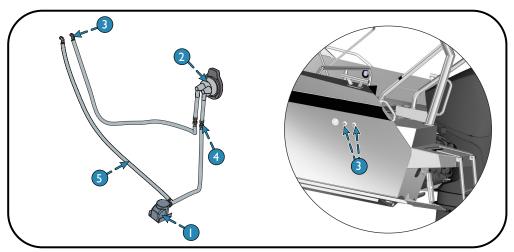
The electrical bilge pump is rated for 2271 litres/hour and is activated automatically by a free-float switch when water in the bilge reaches a predetermined level. In normal conditions, there shall not be any water in the bilge. If there is water, it is due to the leaks from above (deck, fitting, inspection covers) or damage to the hull (seawater leaks). The reason for the leakage is to be determined and corrected soonest possible!

The bilge pumps can provide you with crucial extra time if your boat is taking in water, allowing you to find and deal with the source of a leak or, in extremes, to put on life jackets and hopefully keep your boat afloat long enough for help to arrive. However, please note that the pump capacity cannot keep up with major leaks.

You can also manually activate the electric bilge pump at the console switch panel by pressing and holding the bilge pump button (refer chapter 3.11.3 for dash layout). Push this button and hold it to operate the bilge pump.

The manual bilge pump is only intended as a back-up pump in case of electrical failures hindering the use of the electric pump. It is rated at 34.5 litres/minutes @ 45 strokes per minute.

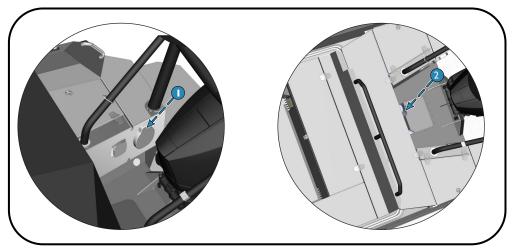
For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.



Principal figure only

- I. Electrical bilge pump
- 2. Manual bilge pump
- 3. Bilge pump outlets
- 4. Thru bulkhead connection
- Bilge hoses





- I. Manual bilge pump location
- 2. Electrical bilge pump location (below access hatch)



WARNING

The bilge pumping system is not designed for damage control.



CAUTION

Check the function of all bilge pumps at regular intervals. Check the function of the electric bilge pump by emptying the bilge manually with the spring-loaded switch located on the switch panel every time before using the boat. Check for debris at and around the pump inlet (open inspection hatch to check). Bilge pump failure could potentially cause the boat to sink if there is an unnoticed water leakage.

4.5 SIMRAD ® MULTIFUNCTION DISPLAY & NAVIGATION SYSTEM

The boat as standard is delivered with a multifunction display model NSS12 Evo3 by Simrad and includes many functionalities such as depth sonar and navigation charts. The Simrad panel can connect and display further data from the engine, stereo system, fuel tank and other external equipment (depending on options installed). The cockpit helm installs this panel.

This is a list of main data and functions that can be provided by this unit:

- Navigation charts and tools
- Depth sonar
- · Water temperature
- Fuel level, main tank

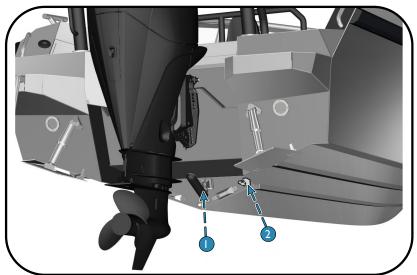


- Simrad wireless network
- Display engine data

Your boat may be equipped with one or several Simrad options like:

- Structure Scan 3D view
- · Autopilot module
- 3G or 4G Radar module
- NAIS 500/ NSPL 500 AIS module with combo antenna
- Upgraded Simrad unit (NSS12, NSS) or Go12)
- OP 50 remote control for Simrad unit

The depth and water temperature transducer/sensor, as well as Structure Scan transducer, are mounted on the transom in bottom recess (refer the figure given below). Be careful not to damage it when the boat is lifted or winched to a trailer or cradle, or at very shallow waters



- Structure scan
- 2. Standard transducer/sensor

Due to the advanced technology of the Multifunction display, we refer to the OEM manual. Your Anytec dealer can also assist you if needed, as a great deal, customization of the functions is possible.

For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.



4.6 Engine controls and instrumentation

The engine controls and the instrumentation will vary depending on the engine brand and model; thus it is covered by the engine owner's manual. Refer chapter 3.11 for typical locations of controls and instruments.

Gas and gear throttle

This control is used for controlling the gear and has 3 positions (forward, neutral, backward). To shift it in neutral while engine is running, the engine rpm must be at idle. In neutral, there is a lock button to allow the rpm to increased, for instance for engine warm-up or tests. Refer engine manual.

Power trim and tilt

At one side of the tip of the throttle handle, there are 2 buttons. One raises the engine, and the other lowers the engine. This function is a combined trim & tilt functions.

The power tilt (power lift) allows you to raise and lower the engine for trailering and launching the boat and keeps the engine out of the water while moored at the port. The power tilt is activated automatically when the engine rises outside the trim (operation) angles.

The same control is also used for the power trim. At the lower range of the engine movement angles, the power trim allows you to adjust the engine to create the optimum boat trim (raise/lower the bow), refer chapter 2.6.

Engine Instrumentation

All modern engines are equipped many sensors, allowing useful information and alarms to be displayed at instruments placed at the helm. Examples are engine temperature, rpm, trim angles, fuel filter problems, oil levels and general alarms.

Depending on the engine brand, model and options, the information can either be displayed on a separate engine control display mounted to the helm, or be displayed on the Simrad NSS12 Evo3 Multifunction display. In the latter case, the NSS display can hold all vital data about boat, engine and navigation matters. The display area can be arranged in numerous ways to fit your personal preferences.

In some cases, customers choose to have a dedicated engine display and the NSS display mounted at the helm. In addition, most engines have a summer alarm, giving you a warning noise in case of serious problems.

Due to many variations and possibilities to install and customise the displays, you need to study the engine and engine instrumentation manuals. They are to be provided by the Anytec dealer or other company who installed engine and instruments. Understanding the instruments ensures that you use the engine in the most optimal, economical and safe way.



For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.

4.7 Lectrotab trim system

The boat is as standard equipped with a trim tab system from Lectrotab. The system consists of 2 Trim Tabs and a control unit for these. Trim tabs can help you control and adjust the boat's scrolling (transverse slope). The control panel is located at the instrument helm, see chapter 3.11. refer chapter 2.6 to learn how to use them.

The trim tabs are mounted at the bottom of the transom. They are made of aluminium. Electromechanical pistons adjust them up/down, so there is no hydraulic oil in these.



WARNING

Please read about how to trim the boat under section 2.6. Being able to manage trim correctly is of outmost importance to safety, comfort and fuel economy.

For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.

4.8 SWIM LADDER/MOB RESCUE LADDER

The boat is equipped with a swim ladder which also serves as a MOB rescue ladder, refer chapter 2.3.

It is located at the SB swim platform. The ladder is secured with a spring clip and can be pulled down from water without any need to release it. Always make sure the ladder is securely landed in the spring clip after use so that it does not fall into the water in case of heavy boat movements. It is important to check the function every season, refer maintenance chapter 6.3.8.



WARNING

- 1. A faulty or blocked ladder may jeopardise man-over-board rescue. It may be very hard or impossible to enter the boat from water without the ladder, which in turn may cause drowning.
- A rotating propeller can be lethal for a swimmer or person who has fallen overboard, or a person using the ladder to board the boat or to enter the water. Shut down the engine and activate the emergency switch (dead man's switch) if there is any person in the water behind the engine, and always before using the ladder.



4.9 WINDSHIELD WIPERS

Your boat is equipped with a two-speed windshield wiper system on the starboard and port side windshields for use in inclement weather.

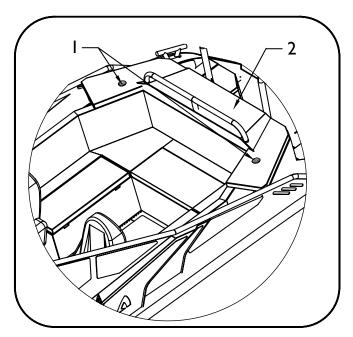
To use wipers in low speed press "Wiper low speed" button on the dash switch panel (refer chapter 3.11.3). For using wipers in high speed switch off wipers from low-speed mode if they are ON and then press "Wiper high speed" button.

To switch off the wipers press "Wipers low/high speed" button one more time.

4.10 CANOPY

A canopy with frames and vinyl panels is supplied as standard equipment. When not in use, the canopy is stored in the canopy garage where it does not interfere with the use of the boat (see the figure).

If the canopy is used with the side panels mounted (thus as a full enclosure), always ensure that there is sufficient ventilation by keeping the air inlets (mounted on the cockpit side panels) open and by having canopy sections open to allow airflow through the cockpit. Also refer chapter 2.7 about Carbon Monoxide positioning risks.



- I. Canopy garage locks
- 2. Canopy garage



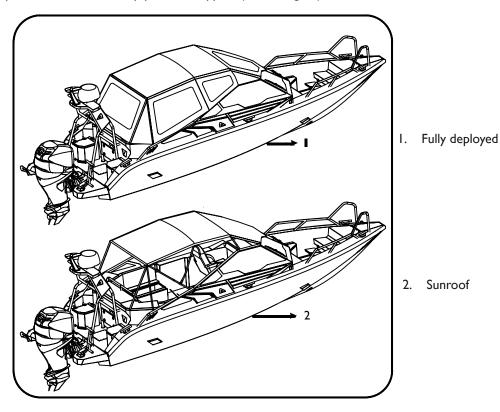
4.10.1 Canopy configurations

Sunroof mode

By using only the canopy top and front vinyl panel, the canopy can be used as sunroof (see the figure). Loose panels are best stored by rolling them, as this is most gentle to the windows.

Fully enclosed mode

The side and rear vinyl panels can be installed to enclose the complete stern cockpit. Each panel attaches to the top part with zippers (see the figure).



4.10.2 How to install, remove and store the canopy

A separate step-by-step Canopy Guide is provided with the boat, check the Anytec bag. It can also be downloaded from Anytec website. Please study the guide to learn how to operate the canopy in a fast way, and ensuring best possible lifetime.

Aviod to fold and store a wet or very dirty canopy, as it may cause severe mildew problems. Let is dry first. For maintenance of the canopy, see chapter 6



4. I I ADJUSTABLE SEATS, DRIVER AND NAVIGATOR

Standard seats

The standard seats have suspension built into the stand. The seats can be turned and adjusted up/down by pulling the large flap (can be pulled in 2 steps) below the seat. The seat can also be adjusted back/forward by pulling the small flap below the seat.

Anytec performance suspension seats (optional)

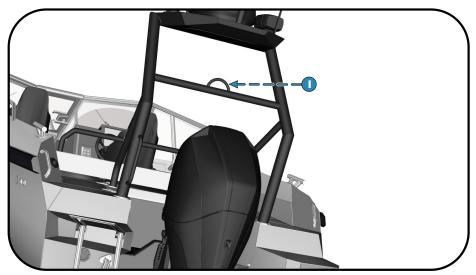
The Anytec high performance suspension seats further absorb shocks and vibrations coming from rides in rough waters. They are especially developed and manufactured by Anytec and include the top-of-the-line suspension units by Ohlin's. The seat height can not be adjusted during voyage, but can be adjusted manually by relocating the cylinder between several fixed positions. As for the standard seat, the seat can be turned and adjusted back/ forward by pulling the tab below the seat,

To adjust the optional performance seats spring preload, compression damping, rebound damping and to adjust length of the shock absorber please refer to the Ohlin's owner manual. It is provided with the Anytec document bag.

4.12 WATERSPORT TOW ROPE ATTACHMENT

Your boat come equipped with an attachment point for watersport tow ropes, integrated to the targa.

The attachment point is only to be used for water skiing wakeboarding or tubing. It is not designed for towing boats, parachutes and kites or similar. Attach the tow rope around the 40 mm thick pipe, and inside the arc area. The purpose of the arc is only to prevent the line to shift sideways, NOT to hold the rope.



1. Watersport tow rope attachment





WARNING

Only tow water skis, watersport tubes or wakeboards. Do not tow parasails, kites, or other boats. Do not tow more than one person at one time. Select a proper tow rope as a breaking rope may snap back into the cockpit when released. Do not attach the rope to the arc, as it is only designed to stop the rope from slipping sideways Failure to follow these guidelines may result in injury or death.

4.13 WEBASTO HEATER (OPTIONAL)

The Webasto heater is located in starboard pulpit under the helm. Its purpose is to provide heat to the stern cockpit and to keep the front windows clean of fog and frost. It runs on diesel fuel. The unit consists of a heater unit, a 10L diesel tank, air outlets below windows and at feet level on both SB and PS pulpit, exhaust fitting on freeboard and a control panel on dash panel that operates the system.

Note that the PS pulpit storage where the heater tank is installed shall not be used for any storage. This is very important to ensure safe operation and ventilation of the heater and the tank. The hatch has a "no storage" sticker, if it is not visible anymore it shall be replaced.

Operation

Prior to use, make sure that the fuel tank is full. The IOL diesel tank, located in the PS pulpit storage, can be accessed by opening the door. To fill the diesel tank, first remove the strap holding the tank in place. Next, remove the cap with the fuel pickup / return line and pull the tank out of the boat. ALWAYS FILL THE TANK OUTSIDE OF THE BOAT. When filled, re-install the cap, and secure the tank in the entertainment center. Visually check that fuel lines and tank do not leak.

The heater is then operated using a controller which is located on the dash panel, see chapter 3.11.



DANGER

Fuel vapours can explode. Never smoke or be close to open flames or potential electrical sparks while handling or filling up the petrol tank. Leaking fuel is a fire and explosion hazard. Inspect the fuel system annually to make sure that there are no leaks and corrosion in the system.



WARNING

Do not obstruct or modify the ventilation system for air, fuel and exhaust gas. Never store any luggage or other items in the hatch of the heater and heater tank!



CAUTION

Exhaust gas is HOT. Ensure that there is nothing that is susceptible to heat damage (i.e. ropes, fenders, other boats) within 200mm of the exhaust outlet.

For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.



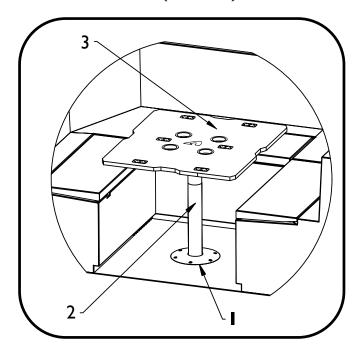
4.14 Audio & Radio System (OPTIONAL)

Your boat may come equipped with Fusion audio and radio system, with several options possible. The main unit is located under the helm, and marine speakers are installed at suitable locations. It's connected to the plotter and allows you easily change the settings, volume, songs etc. on the plotter screen. The most basic settings are also available from a small remote control panel on the dash (see 3.11). An optional USB port allows you to connect an external music player for audio/music playback thru the audio system. Alternatively, you can playback audio/music via Bluetooth®.

For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.

Your boat may be equipped with an Anytec table with flaps and cup holders. To install the table, first remove the plastic cover located on the table base plate. Next, push and lock the table leg into the base plate. Finally, place the table onto the table leg. When not in use, the table can be stored in the stern cockpit U-sofa & storage.

4.15 COCKPIT TABLE (OPTIONAL)



- Table base
- 2. Table stand
- 3. Table top



4.16 CAMERA WITH INFRARED (OPTIONAL)

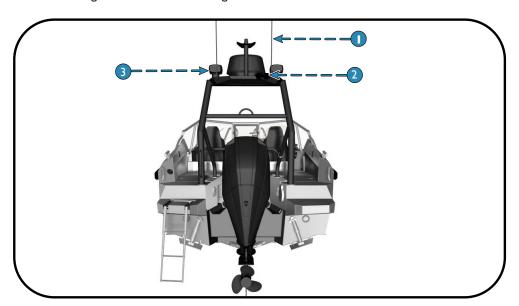
The boat may be delivered with one or two optional day & night vision camera(s) that facilitates navigation and maneuvering of the boat. The camera(s) are connected to the multifunction unit and operated using the screen.

The exact location and configuration can be customized, but the camera(s) are mostly mounted on the targa (refer figure in chapter 4.22).

For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.

4.17 SEARCH LIGHT (OPTIONAL)

The boat may be delivered with an optional wireless remote controlled search light. Usually, the search light is located on targa for a better range of light (see the figure). It may help you to navigate at night, and it can also be used as an onboard work light. Please note that your night vision weakens if you are dazzled by strong lights, so be careful if you operate the boat at night and use the search light with caution.



- VHF antennas
- 2. IR cameras
- 3. Search light



For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.

4.18 VHF RADIO (OPTIONAL)

The boat may be delivered with a waterproof VHF radio which allows you to reach coast-guards, port authtorities and other boats by radio. Be careful to study the manual and understand how to contact coastguard and send general call-for-help (mayday) messages.

The adjustable VHF antenna is located on the targa, and the VHF module with microphone is located directly on the dashboard panel (see the figure)

For complete instructions on operation and maintenance, we refer to the separate OEM owner's manual that was developed specifically for this equipment. It is provided with the Anytec document bag.



5. ELECTRICAL SYSTEMS

5.1 GENERAL DESCRIPTION

Your boat is equipped with a 12 V DC electrical system, as standard powered by one battery. The alternator of the engine keeps the battery charged. The voltmeter screen located on the Multifunctioal panel indicates the battery voltage (optionally also on the engine instruments).

All cabling is done using pre-manufactured cable harnesses, specifically adopted for this boat model. All cable ends and consumers (e.g. bilge pump, winches, lights) are coded and can be identified on the attached schematics.

All consumers are connected through fuses to the battery. The fuses are of automatic type, and reset easily afetr identifying the problem. All fuses are individually marked on the boat for easy trouble-shooting.

The complete system is controlled by the main switch, which can cut the power to all consumers except the bilge pump. The bilge pump has a permanent power supply, to function at all times.

The main battery switch is installed on the fuse terminal in the stern sofa but can also be remotely operated from the helm. When leaving the boat for longer periods, always turn the main switch off to avoid battery drain.

Anytec has equipped the boat with empty spare circuits where Auxiliary Equipment (after-market products) can be installed. These are marked as AUX on the fuse panel, and on the helm control panel. If you choose to use them, please make sure they are marked for easy identification and that the electrical installation is professional.

Any modifications to the electrical system must be made by experienced staff. Using the hull as one pole (positive or negative, for instance for earthing of consumers) will likely cause major issues including risk of corrosion damages to the hull, and must be avoided at all times. Batteries can generate high currents that can be fatal and cause sparks and fires. Make sure you always understand how the system works before you do any maintenance or modifications, such as disconnecting batteries, adding AUX equipment or repair work.



WARNING

Always disconnect the power using the main switches, before any work on the electrical system. Failure to do so may cause electric shocks, or sparks that can ignite fuel fumes. Always ventilate areas with fuel or batteries before any work, and never use open flames in these areas.



A CAUTION

- 1. The bilge pump may still draw power from the batteries, even if the switches are set to OFF so that it can operate even if the boat is docked and unattended. In the worst case, the boat may sink if left unattended for a long time without checking battery power, be particularly observant in periods of heavy rains and winds.
- 2. When leaving the boat for long periods, always turn the main switches off to avoid battery drain, especially in rainy periods. Failure to do so may hinder the bilge pump from working, potentially causing the boat to sink in case of water leaks into the bilge. Never leave the boat unattended for long periods, and check battery charge level regularly.

5.2 BATTERIES & CHARGING

In case of replacement, refer to your engine owner's manual for exact battery requirements.

The battery should always be installed and secured within the battery box, to prevent that they shift during voyage and potentially cause damages or even fires. Protective terminal covers must always be used (covering the battery +/- connecting points) to aviod shortcuts and sparks.

To remove the battery cables (for instance to replace batteries or bring them to a charging station):

To remove the battery cables (for instance to replace batteries or bring them to a charging station):

- Turn off all items drawing power from the battery.
- Turn the battery main switches to the LOCK OFF position.
- Remove the negative cable first, then the positive cable.
- When re-installing batteries, always install the positive cable first, then the negative cable.



WARNING

Protective battery terminal covers must always be used (covering the battery +/- connecting points) to avoid short-cuts and sparks. Batteries must always be installed and secured in fixed installed battery boxes.

5.3 BATTERY SELECTOR SWITCH

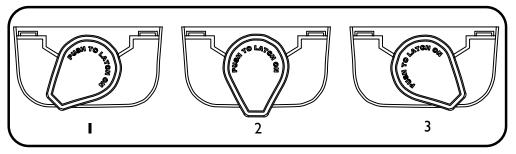
Service and starting battery:

Your vessel as standard is equipped with a main switch at the fuse panel. When you turn ON the battery switch, power is provided to the engine and consumers.



When leaving the boat for long periods and when doing maintenance on equipment/parts connected to the electrical system, turn the switch to the LOCK OFF position. See also the figure in chapter 5.4.

MAIN SWITCH MANUAL OVERRIDE



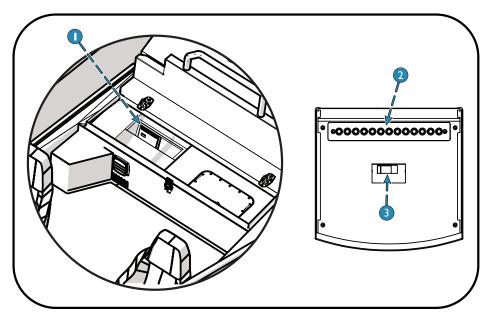
Principal figure only

- I. Remote/On position
- 2. Off position
- 3. Lock off position

5.4 CIRCUIT AND MAIN BREAKER PANEL

Your boat is equipped with a main battery breaker and individual circuit breakers protecting the DC electrical system. The panel is found in the mid sofa storage area. The fuses can be reset if they trip, by pushing the buttons. They are individually marked.





- I. Main panel location
- 2. Circuit breakers
- 3. Battery main switch

5.5 ELECTRICAL SCHEMATICS

Electrical schematics are included as printed attachments to this manual. They can also be obtained from your dealer or Anytec if they are lost. These electrical schematics can be used for technical reference and professional service technicians. If you lack professional skills for this kind of system, contact your local authorised Anytec dealer for help.



6. MAINTENANCE

Routine inspection, service and maintenance of your boat, systems and components are vital to assure your safety and will prolong the life of your boat.

Maintenance of Anytec manufactured parts are described in detail in this chapter.

Specialists manufacture other parts such as engine and navigation systems. To ensure the best possible instructions, we sometimes refer to the specific OEM maintenance manuals. These are provided with the boat (please check the Anytec document bag). This applies to the following components (reference is given to the operations chapter in this boat manual):

Component/system with separate manuals	Reference chapter in this owner's man- ual
Multifunction Unit (navigation/communication)	Chapter 4.5
Engine controls	Chapter 4.6
Engine power steering	Chapter 4.2
Audio system (optional)	Chapter 4.14
Fire extinguisher	Chapter 2.4.1
Heater (optional)	Chapter 4.13
Trim control system	Chapter 4.7
Bilge pumps	Chapter 4.4
Navigation lights	Chapter 4.3
Electrical system, switches and battery	Chapter 5
Search light (option)	Chapter 4.17
Camera with Infrared (option)	Chapter 4.16
VHF radio (radio (option)	Chapter 4.18

The interval between necessary service and maintenance is highly variable, depending on the environment in which your boat will be used, and how much you use it. For example, corrosion of boat parts and components occur far more rapidly in a salt water environment than on a boat which is used in fresh water.



This section provides only general guidelines for the care and cleaning of your boat. It is your responsibility to determine whether maintenance and care intervals need to be accelerated due to your boat usage and operating environment. If you have any question regarding maintenance of your boat, contact your local Anytec dealer for additional assistance.



DANGER

While using chemicals, read all information from the manufacturer regarding safety and handling of the material. Wear proper protective equipment to ensure personal safety. Work only in well-ventilated areas and keep all chemicals away from open flames.



- Refer to the individual manufacturer's manuals, which can be found in the Owner's Manual
 packet, for care and maintenance of equipment and components. In some cases, failure to do
 so could void the warranty.
- 2. If chemicals are used during maintenance, be careful to follow environmental regulations and good practices, in particular, if they may be released to water.

6.1 FUEL SYSTEM

Long periods of storage or non-use, common to boats, create unique problems. When preparing to store a boat for extended periods, of two months or more, it is best to remove all fuel from the tank completely. The fuel remove plug is installed on the fuel tank inspection hatch. You can use this hole for putting a hose from any portable bilge pump to remove the fuel. If it is not possible to remove the fuel, maintaining a full tank of fuel is recommended to prevent condensation of humid air.

If water enters the fuel system, it has to be drained completely and refueled with fresh fuel. Water may be detected by inspecting the fuel water separator filter (optional) or by signs of uneven engine operation / jumpy rpm / starting problems.

At least once in a year, carefully inspect all fuel and ventilation lines and hoses. Check for signs of leaks along them and carefully check the connections at each end.

6.2 Hull, deck, rails & superstructures

Freshwater, saltwater and water temperature can all affect the types of marine growth that you find on your boat's surfaces. Any marine growth can affect the boat's performance and overall look. Keep the surfaces clean using water and a soft sponge /brush, or mild detergents.

In particular, you might notice algae or slime growth on the hull below water level. The below-water growth should be cleaned immediately after the boat has been removed from the water. If the growth is allowed to dry it will be much harder to remove.



At least yearly, check for damages to hull and superstructures such as dents, cracks and corrosion. Carefully check that swim/rescue ladder, handrails, cleats and secure/bow eyes are not loose and has no cracks or corrosion damages.

6.2. I Aluminium treatment M-400® maintenance & principle

Anytec boats have a patented surface treatment on all aluminium surfaces, called M-400®. The treatment bonds to the aluminium and strengthens its characteristics, giving the boat hull a fantastic shine while preventing oxidation.M-400 chemical resistance is significantly higher than untreated aluminium.

We recommend regular rinse with clean fresh water on M400 treated surfaces. If you do not allow aggressive substances to "burn", the surface works relatively self-washing (hydrophobic) with fresh water. In that case, collections of salts and soils are washed away. On untreated aluminium, these salt oxidise the aluminium and thus bound to the surface. On surfaces that are in the water (e.g. below the water line), a mild brush can be used regularly to easily remove algae and the like, which mostly cannot get a good grip on the M400, yet smooth/shiny surfaces attract them. On other surfaces, a mild sponge can be used in combination with a mild (pH-neutral) shampoo, followed by a rinse. Regular car shampoos work great. If desired, the M400 can be waxed and polished like a car. However always avoid abrasive rubbing as this may damage the thin layer's properties.

Despite the strong protection of the surfaces, please keep in mind that the protective layer is very thin. Just like a fine ceramic frying pan, you should choose the right tools and means for cleaning. Avoid aggressive chemicals and salt dries/burns in the surface, as they will become difficult to remove over time. The use of abrasive methods for washing (such as polishing discs or sponges) may gradually wear down the surface and its protection. Strong basic chemicals are directly oxidising on aluminium and should, therefore, be avoided in any case, although the M400 is significantly better than pure aluminium. The acid resistance of the M400 is relatively high, despite the thin layer. However, as acids are also highly corrosive on pure aluminium, these should also be avoided.

After many years of use, or in case of damages to surfaces such as hull repairs, the treatment may be renewed. To get a good result, the complete hull should be polished and treated again. As a minimum at least full outside surfaces and full inside surfaces should be treated, as partial treatments may result in a bad visual impression (colour and surface variations). Contact your Anytec dealer for further details.

6.2.2 Hull below water, anti-fouling treatment

The hull below water can be better protected by applying special hull anti-fouling, In particular when the boat is used in salt water areas. It is essential to choose the correct type of primer and top coat, suitable for aluminium hulls and your local conditions.

If the boat was delivered with anti-fouling from the factory (optional), Anytec have used the following products:



- Primer: International Intergard 563 (white)
- Glue for anti-fouling: International Intergard 263 (grey)
- Anti-fouling: International Trilux 33 (black)

Consult with your local dealer as condition varies from water to water and is regulated by local or national environmental regulations.



CAUTION

Do not apply any paint to zinc anodes, log sensor or trim tabs. Do not apply paints or lubricants including copper on aluminium parts. Always follow the instructions of paint manufacturers.



NOTF

Type of anti-fouling paint allowed may vary by region and country, always check local regulations.

6.2.3 Anodes for prevention of galvanic corrosion

One of the most important maintenance tasks when owning a boat is making sure you protect the hull and engine from electrolytic corrosion. This can otherwise quickly create serious damages. Anytec boats are therefore equipped with sacrificial anodes, made from zinc, which are designed to corrode instead of the boat and the engine. They are mounted at the bottom recess (refer figure).

The anodes must be inspected annually and renewed if more than 50% are wasted. It is important to inspect the working surface of the sacrificial anode to ensure that it is free of paint and chalky corrosion deposits and particularly very important on the contact surface between the anode and the hull.

Your engine is likely also equipped with anodes that need to be maintained, refer engine manual for further details.



WARNING

Neglect to replace the boat zinc anodes in time can cause major damages to the boat hull and engine!



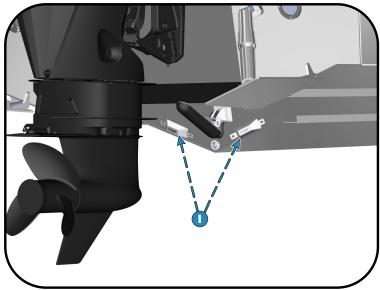
CAUTION

Do not apply any paint to zinc anodes and ensure that the surface between the anodes and the hull is metal clean when replacing and inspecting the anodes.



NOTE

Several zinc anodes may be mounted directly on engine. Please contact the manufacturer or dealer to check the replacement time of these anodes.



I. Zinc sacrifice anodes

6.3 COMPONENT MAINTENANCE

6.3.1 Stainless steel

Stainless steel is strong and corrosion resistant but still requires frequent routine cleaning to maintain the surface finish.

Anytec recommends that you wash stainless steel components with mild soap and cold or lukewarm water after every use of the boat. If added protection is necessary, apply a cleaning wax.

Even the finest cleaning powders can scratch or burnish a mill-rolled surface. On polished finishes, rubbing or wiping should be done in the direction of the polish lines, not across them.

Crevice corrosion is a brownish colouring which occurs where impurities in water and air cause two pieces of stainless hardware meet. It can be easily cleaned with a good grade marine polish using a sponge, cloth or small bristled brush (for nooks and crannies).

NOTE

- The cleaner your stainless steel can be kept, the greater the assurance of optimum corrosion resistance. Without proper care even the best stainless steel will corrode overtime.
- 2. Never use abrasive cleaners, detergents or soft scrub type cleaners to clean stainless steel. Never use abrasive pads, brushes or sponges to attempt to remove stubborn stains. Never use strong solvents or detergents which contain chlorine, and never use silver cleaners.



6.3.2 Cushions

Saltwater, salt residue, dirt, ultra-violet rays etc., take their toll on vinyl and nylon products causing them to lose their lustre and texture. To clean, remove ordinary dirt and smudges with a mild soap and water solution. Rinse the cleaned area with fresh water and dry with a clean, soft, lint-free cloth or towel.

Your cushions are not waterproof. They are constructed of open-cell foam and which absorb and hold water. Do not leave the cushions in standing water or exposed to heavy, prolonged rain. If, in the event your cushions become waterlogged, remove the foam from the cushion, press as much water as you can from the foam and allow to air dry. To prevent mildew, keep the vinyl dry and make sure that moisture does not accumulate between the cushions when stored. Do not store until they are completely dry.

6.3.3 Canopy

Canopy fabric

Chafing, fibre wear from dirt and grit and deterioration from ultraviolet light can cause your canopy to degrade over time. The fabric should be cleaned regularly before substances such as dirt, pollen, etc., are allowed to accumulate on and become embedded in the fabric. The canopy can be cleaned without being removed from the installation.

After each use, especially if used in salt water areas; rinse the canopy completely with fresh water (cold water if available). On a regular basis, brush off any loose dirt, pollen, etc., and hose down with water and then clean with a mild solution of a natural soap in lukewarm water (maximum 38°C). Only use soft sponges and brushes. Allow the canopy to soak; however, do not let the soap dry. Let the canopy dry completely. Do not store any of the pieces while wet. In most environments, a thorough cleaning and fabric treatment is needed every two to four years. The canopy is then removed and sent to a company specialised in canopy cleaning and restoring work.

Chemical treatments of the fabric can improve the resistance to ultraviolet light and water. Consult your Anytec dealer or canopy experts for advice. Be careful to not treat canopy windows with such chemicals.

Zippers & Hardware

Lubricate zippers and fasteners periodically with a clear silicone-based zipper lubricant, at least every season. In the absence of silicone lubricants, a wax candle can be used to lubricate the zipper track. Replace any missing fasteners or any fasteners showing signs of corrosion. Keeping the zipper lubricated is an easy way to extend the lifetime and make canopy operation easier.



Canopy Windows

Rinse vinyl windows thoroughly with clean water to remove any dust, dirt particles, salt water or environmental agents. This should be done frequently to avoid build-up of salt water, dirt and other environmental contaminants. After a rinse, use a soft non-abrasive cloth and wash windows inside and out with a mild natural soap and water solution. Rinse completely with cold water before the soap dries. Dry the window with a soft cloth or chamois to prevent water spots. Polish with a separate cloth.

Do not use other chemicals unless these are specifically made for vinyl windows and well proven; consult your dealer for advice.



Never use regular window cleaners, detergents, abrasives, petroleum based products, or alcohol to clean your canopy fabric or vinyl windows. Do not handle vinyl with sunscreen on your hands. Sunscreen may permanently cloud the vinyl.

6.3.4 Tempered glass windows

First thoroughly rinse with clean water. Then if needed, use commercially available glass cleaners or a mixture of fresh water and vinegar to clean your glass windows. Dry with a soft terry cloth towel or chamois.

NOTE

DO NOT use abrasives, harsh chemicals, or metal scrapers on the glass.

6.3.5 Fender list

The fender list has a D-shape and is pressed and glued against the hull. As a fender, it will eventually have physical contact with other boats, docks and so on. Such contact result in scratches, small deformations and some friction marks. This is natural and could be left unattended as long as the fender is functional and well attached to the hull.

If the fender is dirty or discoloured, use regular mild detergents like boat shampoo and a soft brush. If the fender looks faded, a treatment with "tire/bumper shine" or similar care products for rubber can be used. Ask your Anytec dealer for advice if you are uncertain.

6.3.6 Plastic panels

Use only regular mild detergents like boat shampoo and a soft sponge or rag for cleaning. Do not use polish and other abrasive chemicals and tools as they may ruin the surface.

6.3.7 Hinges and latches

The hinges and latches do not require any periodical maintenance and are grease-free. They can be cleaned with regular detergents. Some of the latches for storage hatches are adjustable to compensate for wear of seals of the hatches. Loosen the bolts that hold the latch in place and adjust it. The holes are oval to allow for easy adjustments. Adjust it so that the hatch closes firmly against the seal and thus is watertight.



6.3.8 MOB rescue & swim ladder

The ladder is a safety device, and lack of maintenance may make it hard or impossible to use safely. It is important to check the function of the ladder regularly. Check at least yearly that it is properly fastened to the boat and has no cracks or corrosion damages. Check the condition and function of the nylon clip that secures the ladder in stored position.

6.3.9 Painted surfaces

Certain surfaces as well as the targa structure are painted with black industrial-class paint. They can be washed with regular mild detergents like boat shampoo and a soft sponge or rag. Be careful with using polish and other abrasive chemicals and tools as they may ruin the surface. As all with all dark paints, they will oxide and fade over time. However, as the painted surfaces are of aluminum, there is no corrosion. Re-painting may be needed for visual impression only.

6.4 WINTER STORAGE/SPRING PREPARATIONS

Preparing boats for winter storage are subject to your location. In cold climates, always have your boat hoisted in good time before the water freezes. This is a good time to perform all yearly maintenance, repair and inspection procedures. Even if your boat is used around the year, a yearly maintenance period is recommended and shall follow the same routines as specified below except when marked with a *.

6.4.1 Measures before winter storage

- Check the engine owner's manual and carefully follow the instructions.
- *Lift your boat out from water well before ice formation. Your boat is not dimensioned against sailing or storage in ice.
- Hoist the boat. Wash the bottom of the boat immediately afterwards. Algae and slime easily comes if they are not let to dry.
- Remove the bottom drain plug (refer chapter 3.10) and leave the drain open.
- Check the condition of the hull. Repair damages directly or the next spring before launching the boat.
- *When preparing to store a boat for extended periods, please refer chapter 6.1 (Fuel System).
- Ensure that the hull has sufficient support to avoid damages or instability. If uncertain, always consult experts such as your dealer.
- Follow the maintenance instructions given in the engine manual. We recommend that
 you hire an authorised service company to ensure a safe and reliable operation of the
 engine. Do not forget to service the engine controls and steering system.



- Carryout maintenance operation on other accessories and equipment as described in this chapter and in the respective OEM manuals.
- If your boat is stored outside or in a humid place during the winter, remove electronic
 instruments, the textiles, the canopy, cushions, seats and other equipment that may
 corrode or become mouldy in moist conditions, and store it in a dry place.
- Spray the electrical connectors with a suitable moisture repellent antioxidant.
- *Remove batteries and store them in a warm, dry place. Charge them at least twice during the winter. Spray the electrical connectors with a suitable moisture repellent antioxidant.
- Check conditions of anodes (refer chapter 6.2.3). Replace if needed. Clean the surface between anodes and hull to ensure good metallic contact. Never paint them!
- *Cover your boat so that snow and water will not gather inside. Always make sure
 that there is enough ventilation and avoid direct contact between the boat and the
 covering material/canvas as it may damage the boat due to friction and oxidation.

6.4.2 Measures after winter storage

- Check the engine owner's manual and carefully follow the instructions.
- *Reinstall freshly charged batteries and check voltage.
- · Refuel the boat.
- *Install any electronic instruments, textiles and other equipment that was removed before winter storage. Test them after installation or at first time in sea before leaving the shore.
- · Reinstall bottom drain plug.
- Check the condition of the hull including strong points/cleats. Repair damages directly.
 Refresh anti-fouling paint if it has been used before, or consider adding new paint if the boat is moved to new waters (refer chapter 6.2.2.).
- Inspect and test petrol, diesel and gas systems including hoses and connectors (engine, any optional heater, stove or similar): Check for any signs of wear & tear and leakage (leaks, stains, smell).
- Carryout maintenance and functional tests on other accessories and equipment as described in this chapter and the respective OEM manuals.
- Pay extra attention to the condition and function of safety and maneuvering equipment like steering system, bilge pumps, emergency switch function, electrical systems, function of instruments, MOB/ladder function, condition of seals at doors and hatches, navigation lights.



6.5 Spare parts & service

To ensure the best possible performance, safety and lifetime of your Anytec boat, it is important only to use high-quality spare parts that are suitable and approved for your specific boat application. Failure to do so may jeopardise the safety, lifetime and performance. Anytec offers the parts through the dealer network.

Parts and accessories fitted on the boat are subject to modifications without prior notice. Your dealer will be able to investigate if such is the case for your specific needs. Your dealer can also support you with qualified service, upgrade and modification work, using their own or Anytec specialists.

If you have any questions regarding parts, accessories or services, please contact an Anytec dealer.

For best possible service, **always provide your CIN number** (unique hull number) as it will assure that the parts and services are specific for your individual boat. For location of the CIN number, please refer chapter 1.3.



7.ATTACHMENTS

List of the attached documents/drawings, to be found in the Anytec manual holder and Anytec shoulder bag:

- Electrical diagrams
- Owner's manuals for components (as referenced to in the Anytec owner's manual)
- Final Quality Approval
- · Authorised Installation Certificate
- Declaration of Conformity of recreational craft
- Delivery note with SecurMark bar code
- · Canopy installation guide



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