

SEA STORM 

# OWNER'S MANUAL

Ceranos invest OÜ  
Kaisa, Kaisa village, Raasiku Vald, 75207, ESTONIA

**THANK YOU FOR CHOOSING  
SEASTORM BOAT**

to embark on your boating adventures!

**INTRODUCTION**

SeaStorm rotomoulding HDPE plastic boats are the culmination of ambitious product development by our engineering team and the renowned Mannerfeldt Design team. SeaStorm stands as one of the toughest boats on the market, suitable for both leisure and professional use. Moreover, SeaStorm boats are 100% recyclable.

SeaStorm boats are crafted using a unique and innovative production method that sets us apart from the competition. Our boats are made from polyethylene, a highly robust material infused with UV stabilizers, using a cutting-edge rotational molding process.

Each SeaStorm boat is molded in one piece, which makes it incredibly durable, able to withstand shocks, impacts, large temperature fluctuations, and strong sunlight. Not only are they built to last, but they also require little maintenance, ensuring they provide many years of reliable service.

This, coupled with the technical expertise of our staff, ensures that every SeaStorm boat is of the highest build quality.

**DEVELOPED IN NORWAY – BUILT TO LAST!**

## TABLE OF CONTENTS

<b>ABOUT THE MANUAL</b>	8-9
<b>BEFORE YOU START</b>	10-11
<b>GENERAL INFORMATION</b>	12-13
Concepts	12
Warranty	13
Before use	13
Registration	13
Training	13
<b>FEATURES AND USE OF THE BOAT</b>	14-21
General information	14
Basic data	14
Maximum recommended load	15
Basic dimensions and capacities	15
Manufacturer's label	15
Maximum number of people	15
Loading	16
Engine and propeller	16

## TABLE OF CONTENTS

Stability and buoyancy .....	17
Openings in hull and superstructure .....	17
Refueling .....	17
Fire safety .....	17
Steering characteristics .....	18
Visibility in the driving position .....	21

### OTHER RECOMMENDATIONS AND INSTRUCTIONS

22 - 27

Risk of loose objects .....	22
Environmental protection .....	22
Anchoring, mooring and towing .....	23
Towing .....	23
Trailerling .....	24
Maintenance and winter storage .....	25
Activities before winterizing the boat .....	25
Washing and cleaning .....	25
Winter storage and maintenance .....	26
Before deployment .....	27
Repairs .....	27



## ABOUT THE MANUAL

The purpose of this user manual is to ensure safe and pleasant use of the watercraft. The user manual includes the technical data of the watercraft, the accompanying equipment and information necessary for its use and general maintenance. Please read it thoroughly and familiarize yourself with the watercraft before using it.

The user manual does not contain all information on seafaring safety or maritime practice.

If this is your first watercraft or if you are exchanging your old watercraft for a new SEASTORM, please make sure that you gain practical experience in driving and using the watercraft for the sake of driving comfort and safety.

Ensure that the expected wind and sea conditions are appropriate for the design category of your craft and that you and your crew are capable of operating the craft in these conditions.

This user manual is not a detailed maintenance or troubleshooting guide.

In case of problems, contact the manufacturer or his representative. Always use trained and competent professionals for maintenance, repair or modification. Modifications that may affect the safety parameters of the watercraft must be carried out and documented by competent persons. The manufacturer is not responsible for modifications that are not approved.

Always maintain your watercraft properly and take into account changes in its condition that may occur over time and as a result of intensive or improper use of the watercraft.

Any watercraft, regardless of its structural strength, can be seriously damaged if used improperly. This is not in accordance with the principles of safe boating. The speed and driving techniques of the watercraft must always correspond to the weather conditions.

Appropriate safety equipment (life jackets, sling, etc.) should be on board the watercraft according to the type of watercraft, weather conditions, etc. The crew must be familiar with the use of safety equipment and emergency maneuvering.

**PLEASE KEEP THIS OWNER'S MANUAL IN A SAFE PLACE AND GIVE IT TO THE NEW OWNER WHEN THE BOAT IS SOLD.**



## BEFORE YOU START

Familiarize yourself with this user manual.  
Before leaving the port, check at least the following points:



### Fuel

Check for adequate fuel supply, including spares for inclement weather and emergencies.



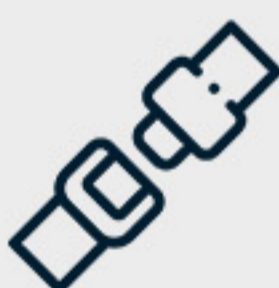
### Loading

Avoid overloading the craft, distribute the load evenly. Place heavy objects as low as possible to improve stability.



### Passengers

Make sure life jackets are available for everyone on board. Agree on crew assignments before leaving port.



### Confirmation of equipment

Check that all equipment and heavy items are secured so that they will remain in place even when the boat is underway and in strong winds.



### Engine and equipment

Check the operation and condition of the steering gear, electrical equipment and battery and perform the routine checks described in the outboard motor owner's manual.

Additional engine-related instructions can be found in the engine manual.



### Weather conditions and forecast

Consider wind, waves and visibility. Are the construction category, size and equipment of your boat, as well as the skills of the captain and crew, sufficient to sail in the respective area?



### Leaving the quayside

Arrange with crew to release mooring line etc. Avoid getting mooring lines or other ropes caught in the propeller during manoeuvring.

Also check the watercraft from other aspects: absence of fuel or water leaks, presence of rescue equipment, etc.



## GENERAL INFORMATION

The user manual will help you familiarize yourself with the features of your new boat, as well as its maintenance. You can, of course, supplement the owner's manual with the manuals of devices installed later. At the end of the user manual there is space for your personal notes.

### CONCEPTS

Warnings used in this user manual have the following meaning:

- DANGER!** Indicates the existence of an exceptional danger, the neglect of which or failure to take proper precautions could result in death or irreparable injury with high probability.
- WARNING!** Indicates the presence of a hazard, which should be ignored or corrected. Failure to follow these precautions could result in injury or death.
- ATTENTION!** Refers to safety practices or draws attention to a hazard to an activity that may cause injury or damage the components of the watercraft.

The units of measurement used in the user manual correspond to the SI system. In some cases, other units of measurement have been added in parentheses. The exception is wind speed, for which the Beaufort scale is used (according to the Small Ships Directive).

### WARRANTY

The hull of the boat has a 20-year warranty that covers material defects. Warranty for spare parts is 2 years. You can check the warranty conditions at your dealer. All devices are guaranteed by the respective device manufacturers. Please contact your dealer for warranty issues.

### BEFORE USE

**REGISTRATION** For more information regarding registration, please contact your local Transport Agency office.

**TRAINING** No one is born an expert, and boating is no exception. Boating training courses are organized by local licensed companies. These training courses give you a good foundation for your knowledge, but the experience of handling, navigating, mooring and anchoring a boat can only be gained through experience.



## FEATURES AND USE OF THE BOAT

### GENERAL INFORMATION

The user manual is not a complete maintenance or repair manual, but rather introduces the user to the features of the boat and gives advice on the proper use of the boat.

### BASIC DATA

The basic data of the SEASTORM boat are as follows.

#### MANUFACTURER:

Ceranos invest OÜ,  
Kaisa, Kaisa village, Raasiku Vald,  
75207, ESTONIA

#### CONSTRUCTION CATEGORY : C

*Category C: Class C boat is a vessel built to navigate inshore such as lakes, rivers, bays and close to the shore and can sustain up to force 6 (Beaufort scale) and waves up to 2 meters.*

### MAXIMUM RECOMMENDED LOAD:

Please refer to the technical data appendix and the "Loading" chapter

### BASIC DIMENSIONS AND CAPACITIES:

The length, width, draft, etc. of the watercraft are shown in the technical data appendix.

### MANUFACTURER'S LABEL :

Some of the information is written on the manufacturer's label, which is attached to the boat. A full description of this information is provided in the appropriate chapters of this user manual.

### MAXIMUM NUMBER OF PEOPLE

The maximum recommended number of people on board depends on the specific boat model. The number of people is indicated in the technical data supplement and on the manufacturer's label.

**WARNING!** Do not exceed the maximum recommended number of people. Regardless of the number of people on board, the total weight of people and equipment must never exceed the maximum recommended load (see Loading chapter). Always use the designated seats/seats.





## FEATURES AND USE OF THE BOAT

### LOADING

The maximum recommended load depends on the specific boat model. The load is shown in the technical data appendix and on the manufacturer's label.

This includes the following difficulties:

- a) total weight of people (the weight of an adult is 75 kg and the weight of a child is 37.5 kg)
- b) other child

The recommended load includes only the components mentioned above.

**WARNING:** When loading a watercraft, never exceed the recommended maximum load. To maintain the watercraft's differential, load the watercraft carefully and distribute the load evenly. Avoid placing heavy objects high.

### ENGINE AND PROPELLER:

The maximum permissible engine power of the SEASTORM boat is shown in the technical data supplement and on the manufacturer's label.

Follow the engine manufacturer's instructions when choosing a propeller.

### STABILITY AND BUOYANCY.

The purpose of the SEASTORM boat design is to ensure good stability, but take into account that large breaking waves are always very dangerous for the stability of the watercraft.

Stability is also reduced when any heavy object is placed high up. Changing the position of heavy objects on board your boat can significantly affect the uprightness, balance and performance of your watercraft.

Be aware that uprightness may also be reduced when towing.

### OPENINGS IN HULL AND SUPERSTRUCTURE

The boat has an outlet to drain away rainwater. Keep the drain open.

### REFUELING

Turn off the engine before filling the fuel tank. Do not use switches or devices that may cause a spark. After refueling, check that no fuel has leaked into the bilge and clean up spilled fuel immediately.

### FIRE SAFETY

To use a SEASTORM boat with an engine more powerful than 25kW, it must be equipped with a 2kg fire extinguisher.



## FEATURES AND USE OF THE BOAT

Portable fire extinguishers must be serviced once a year. When replacing portable fire extinguishers, ensure that the new ones have the same fire extinguishing capacity.

Inform crew members of fire extinguisher location and use.

Keep the bilge clean and check regularly for fuel vapors or fuel leaks.

Never:

- block access to safety devices
- prevent access to fire extinguishers installed in storage areas,
- refuel with the engine running
- do not smoke when handling fuel.

### STEERING CHARACTERISTICS

The maximum power of the watercraft engine is shown in the technical data supplement and on the manufacturer's label.

The outboard is usually mounted in the lowest position on the transom.

**WARNING!** Do not operate the watercraft with a more powerful engine than indicated on the manufacturer's nameplate.

The main instructions for setting the engine angle (trim) are as follows:

- The 'bow down' position when the boat is raised to glide.
- If the board slips and the waves are shallow, raise the bow until the boat starts to pitch or the propeller loses its grip.  
Lower the bow until the boat stabilizes. You can find the optimal trim position using the speed indicator. When the optimal trim angle is reached, the speed of the boat increases.
- When riding against a wave, drop the bow down to soften the motion. When riding in a back wave, raise the bow like a boat to avoid submersion.
- Also read the engine manual.

At high speed, carefully adjust the angle (trim) of the engine - this will significantly change the behavior of the watercraft.

Maneuverability is limited at speeds above 30 knots. Unexpected turns can cause you to lose control of the watercraft. Reduce the speed of the watercraft before making sharp turns.



## FEATURES AND USE OF THE BOAT

Waves reduce the boat's maneuverability and tilt it. Take this into account and choose a speed that suits the conditions.

When choosing the speed, consider the current situation and the surrounding environment.

Pay attention to:

- for waves (also ask the crew for a comfortable speed),
- to your own aftershock. Observe and adhere to speed limits and no-go zones. Reduce your speed and wake as a courtesy and for your own safety and that of others.
- visibility (islands, fog, rain, against the sun),
- to the route (time required for navigation),
- to traffic (other boaters, noise and aftershocks on the beach),
- to the space needed to stop and avoid obstacles

Familiarize yourself with the Maritime Traffic Regulations and follow the instructions given in them and the COLREG (International Regulations for the Avoidance of Collisions

between Ships). Move carefully on the waters and use the latest nautical charts if possible.

**DANGER!** A rotating propeller is life-threatening for people in the water! Turn off the engine before a person who has fallen into the water or a swimmer comes aboard.

### VISIBILITY IN THE DRIVING POSITION

Driving in fair weather and calm seas is easy, but always keep a proper lookout as per COLREG rules. Always make sure that there is as much visibility as possible from the steering position:

- arrange people, objects and curtains so as not to reduce the field of view.
- adjust the engine pitch with the engine trim so that raising the bow does not obstruct visibility,
- when driving on waterways, don't forget to look behind you.

In the dark or when visibility is otherwise obstructed (fog), use the appropriate navigation lights. Turn off the vessel's internal lights and reduce the chartplotter's backlight if the lights or their reflection reduce visibility.



## OTHER RECOMMENDATIONS AND INSTRUCTIONS

### RISK OF LOOSE OBJECTS

Secure all heavy equipment such as an anchor before leaving port.

### ENVIRONMENTAL PROTECTION

All water bodies are unique, and protecting their nature is also a boater's honor. Avoid::

- spilling fuel and oil,
- leaving debris and waste on the islands or throwing them into the water,
- pouring detergents or solutions into water,
- creating excessive noise on water bodies or in ports,
- creating wake waves, especially in narrow channels or shallow water,

Also follow local environmental laws and guidelines. Familiarize yourself with the Marpol (International Regulations for the Prevention of Marine Pollution) rules and follow them as much as possible.

### ANCHORING, MOORING AND TOWING

Always secure your boat with care, even in shady areas, as weather conditions can change quickly. To avoid scratches, use adequate size washers.

It is the responsibility of the owner/user to ensure that wire ropes, towing ropes, anchor chains, anchor lines and anchors meet the requirements.

It is the responsibility of the owner/user to ensure that wire ropes, towing ropes, anchor chains, anchor lines and anchors meet the requirements.

Moderate anchor grip is achieved when the length of the anchor line is 4 to 5 times the water depth.

#### WARNING!

Do not attempt to stop the boat by hand and do not place your hands or feet between the boat and the pier, shore or another boat. Practice mooring in good weather conditions.

#### ATTENTION!

When mooring your boat, take into account wind reversals, rising or falling water levels, wake waves from other boats, etc.

#### TOWING

If towing another boat, use a strong, floating line. Start towing carefully, avoid jerking and overloading the engine. In narrow channels and high waves, pull the boat close to the transom to reduce yaw.



## OTHER RECOMMENDATIONS AND INSTRUCTIONS

**WARNING!** The tow line is under heavy tension. If it breaks, the freed end can have life-threatening velocity. Always use a sufficiently strong tip and do not stand in the way of tip release.

### TRAILERING

When placing the SEASTORM boat on the trailer, make sure that the trailer is suitable for transporting your boat: a sufficient number of support points to reduce point loads, the carrying capacity of the trailer corresponds to the weight of your boat's engine and equipment, etc. The trailer's maximum permissible load can be found in the trailer's registration documents. Before placing the boat on the trailer, remove unnecessary items from the boat and drain the bilge. Secure the boat firmly to the trailer before towing.

**ATTENTION!** Make sure the boat is securely anchored and that the weight of the boat is evenly distributed between the supports. An improperly secured boat can cause damage to the hull.

### MAINTENANCE AND WINTER STORAGE

Familiarize yourself with the maintenance procedures described in the engine owner's manual. Carry out maintenance carefully or have it carried out by an authorized service company.

Other equipment and structural elements that require regular maintenance are:

- steering gear and engine controls
- fire extinguishers

### ACTIVITIES BEFORE WINTERIZING THE BOAT

Get the SEASTORM boat out of the water before the ice forms. Your watercraft and its engine may be damaged.

Before lifting the boat out of the water, it is recommended to carry out the following activities:

- wash the watercraft clean
- remove all excess items from the craft

### WASHING AND CLEANING

Keep the boat clean and tidy. This increases comfort, safety and aftermarket value of the watercraft.



## **OTHER RECOMMENDATIONS AND INSTRUCTIONS**

To maintain the blankets and sides, it is enough to wash them. The most suitable means for washing are special boat shampoos. Do not use strong solvents, they can dull the finish of the plastic surface.

After removing the craft from the water, wash the bottom of the craft. Removing algae and sediment is much easier when wet.

### **WINTER STORAGE AND MAINTENANCE**

If you are storing your boat outdoors or in damp areas, remove textiles and other equipment that may mold or rust in a damp environment. Tips should be washed with fresh water and worn tips should be replaced.

Leave the cockpit vent open.

Also remove the battery and store it in a warm, dry place and charge it at least twice during the winter. Spray the terminals of the electrical system with a moisture and corrosion inhibitor.

Cover the boat with a suitable protective cover to protect it from snow. But take care of adequate ventilation. Snow does not accumulate on the cover if its ridge angle is not more than 90°.

**WARNING!** The cover or its lashing lines must not be in direct contact with the surface of the boat, as movement and flapping in the wind can scratch the hull of the watercraft.

### **BEFORE DEPLOYMENT**

Perform all necessary maintenance procedures according to the engine manual. Check the operation of electrical equipment and remove possible oxidation residues from fuse terminals, etc.

Be sure to install safety equipment after commissioning the boat and before leaving port.

### **REPAIRS**

In the event of engine or other equipment failure, first contact the respective equipment suppliers.

**WARNING!** Improperly performed modernizations and conversions can damage the boat's structure or impair safety.

**WARNING!** When servicing electrical equipment, disconnect the battery from the electrical system. If you need to upgrade electrical equipment, make sure they are compatible with the voltage of the boat's electrical system.

**WE WISH YOU PLEASANT BOATING EXPERIENCES!**



## HOW TO MAKE A WARRANTY CLAIM

If a defect in materials or workmanship occurs, please notify the dealer who sold the boat to you or SeaStorm promptly. You will be required to provide the following information:

YOUR NAME .....

YOUR ADDRESS .....

YOUR TELEPHONE NUMBER .....

A description of the problem .....

.....

.....

Why do you feel that it is a warranty problem

.....

BOAT SERIAL NUMBER .....

Location of purchase .....

Date of purchase .....

Proof of purchase .....



## **CONTACT US** **SEASTORM BOAT**

to embark on your boating adventures!



### **LEGAL NAME:**

Ceranos Invest OÜ  
Kaisa, Kalesi village, Raasiku, 75207, Harju county, Estonia



**TELEPHONE:** +47 466 37 106



**EMAIL:** info@seastorm-boat.com

Talk about your experience with SeaStorm Boats and follow the latest news, product announcements, competitions, event and demo listings at SeaStorm social media networks:



**[WWW.FACEBOOK.COM/SEASTORMBOAT](https://www.facebook.com/seastormboat)**

**[WWW.INSTAGRAM.COM/SEASTORMBOATS](https://www.instagram.com/seastormboats)**

**DEVELOPED IN NORWAY – BUILT TO LAST!**