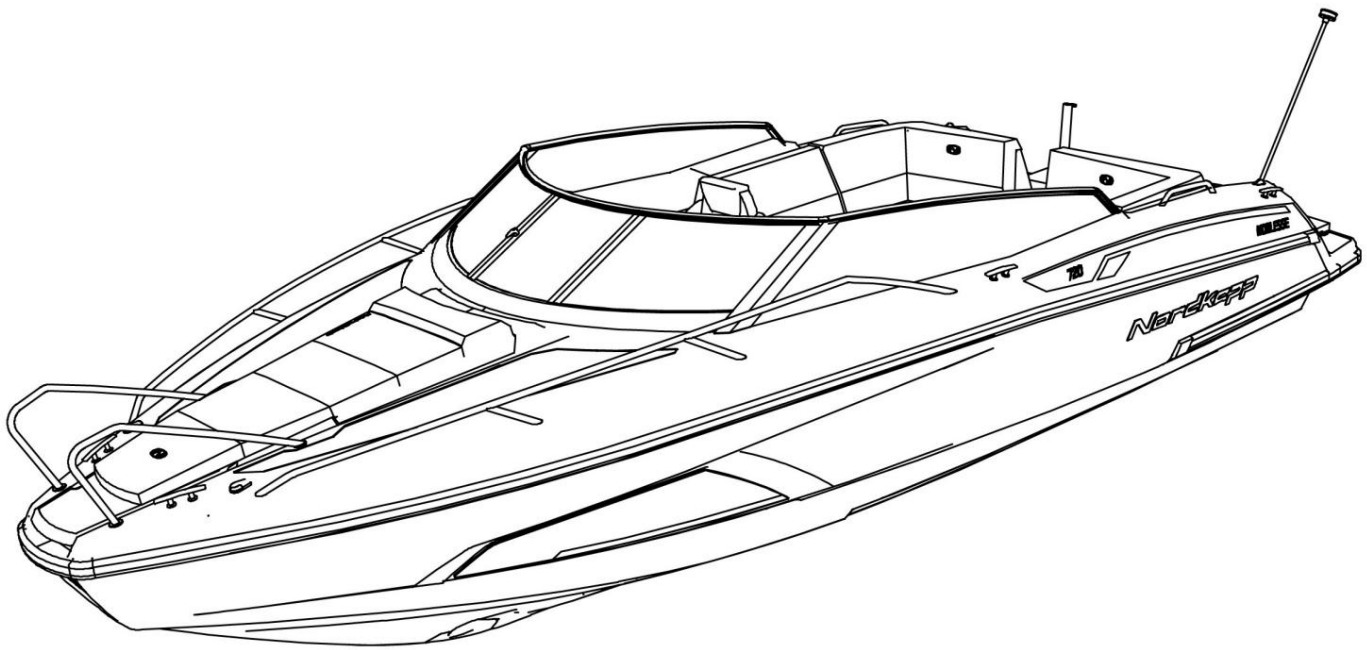
Machine Translated by Google

Nordkapp




# Noblesse 720

Norwegian

Machine Translated by Google



# Congratulations on your new Nordkapp

*You are now the owner of a quality product from Nordkapp Boats AS, built to the strictest requirements for safety and quality.*

*We at Nordkapp Boats AS have done our best to ensure that you get a product that meets all the safety and quality requirements that apply to such a boat.*

*This handbook has been prepared so that boating will provide the greatest possible pleasure and safety. The book contains important information about use and equipment in the boat. The book is not a detailed maintenance manual, contact your dealer if you have problems. Study the manual thoroughly before putting the boat into use.*

*If this is your first boat, or you have changed to a type of boat with which you have no previous experience, it is recommended that you thoroughly familiarize yourself with the boat's maneuverability and characteristics before taking it into use.*
*The boat dealer or the local boat association will be able to refer you to knowledgeable instructors and boat driving schools.*

*Life jackets for everyone on board are mandatory. On boats under 8 metres, these must also be on at all times.*
*The driver of the boat is responsible for the safety of passengers and that the boat is in a safe condition.*

*Take good care of the user manual and pass it on to the new owner if you sell the boat.*

Machine Translated by Google

## Contents


2 Introduction

3 Contents / Warnings and Notes

4 General info / Manufacturer's plate

5 Technical data

6 General overview

7 Overview Layout

8 Before you go on a trip / When you're out on a trip

9 After you have been on a trip / Environmental considerations / Man overboard

10 Fire protection / Engine

11 Steering system / Hull penetrations / Fuel system

12 Bilge system / Drainage system / Electrical system

13 Electrical system drawings

14 Sanitary system / Water system

15 Anchor winch / Bow thruster

16 Anchoring / Mooring / Towing

17 Lifting a boat / Transporting a boat

18 Maintenance tips / Circulation

19 Dealer / Warranty / Receipt


## Warnings and Notes

*The warnings and cautions in this manual are defined as follows:*

**DANGER!**

Indicates extreme danger which would result in a high probability of death or permanent disability if correct precautions are not taken.

**WARNING!**

Indicates that a hazard exists which could result in injury or death if it correct precautions are not taken

**CAREFUL!**

Reminder of safe working methods, or refers to unsafe practices that could result in personal injury, or damage to the boat or components.

**READ YOUR OWN INSTRUCTIONS!**

Read the separate instruction book for more information about this equipment.

*Warnings are also placed on board the boat on some models.*
*These must be followed to avoid damage to equipment and people.*

*The manual has been prepared according to ISO standard 10240:2004*

Machine Translated by Google

## General information

**Producer and marketing manager**

Nordkapp Boats AS

Jellestadveien 30

N-1739 Borgenhaugen

Tel: +47 69 10 45 30

www.nordkappboats.no

**Designer** Espen Thorup

**Type** Nordkapp Noblesse 720

**WIN** See declaration of conformity. Example NO-NKAN0000A020

The hull is permanently marked on the transom SB side with hull identification that can be traced back to completed quality measures:

| | | |
|---|---|---|
| NO – Norway | A | month of production |
| NKA Nordkapp Boats | 0 | last digit in year of manufacture |
| N Model | 20 | last two digits of model year |

0000 build number

**Category** Class C

The boat is designed for use where the wind strength can reach 6 on the Beaufort scale (approx. 13.8 m/s) slight gales and the significant wave height can reach 2 m (maximum wave height up to 3.4 m)

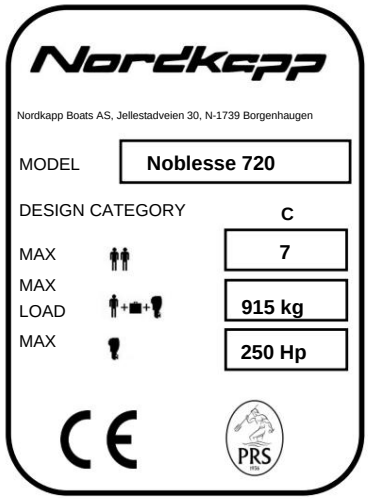
**⚠ CAREFUL!**

The significant wave height is the average height of the highest third of the waves, which roughly corresponds to the wave height that estimated by experienced observers. Certain wave heights will be twice that big like this.

## Manufacturer's sign

**Manufacturer's plate**

The manufacturer's plate is placed clearly visible in the steering position.




*Model: Boat model*

*Design Category: Boat category, see explanation page 4.*

*Max people: Max people on board*

*Max Load: Max weight of persons, brought luggage and engine weight.*

*Max engine: Max power of the engine can provide.*

**⚠ WARNING!**

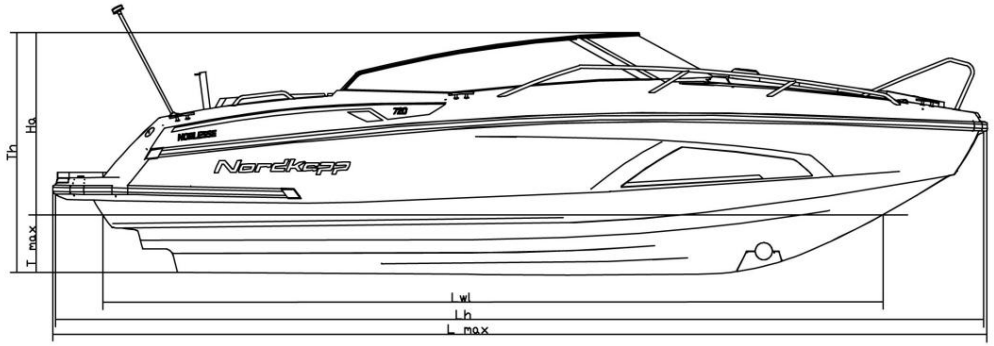
Do not take more people on board than recommended. The total weight of the persons must not exceed the load limits, regardless of their number.
Passengers should always use the seats in the boat during the journey.

When loading the vessel, never exceed the maximum recommended load.
Equipment retrofitted to the boat is also part of the "luggage weight". Always load the vessel carefully and distribute the load correctly to maintain the designed trim (approximate level). Avoid placing heavy objects high up.

Machine Translated by Google

## Technical data

| | |
|---|---|
| *Max length (Lmax):* | *7.14 m* |
| *Hull length (Lh):* | *7.09 m* |
| *Hull length waterline (Lwl): 5.80 m* | |
| *Max width (Bmax):* | *2.63 m* |
| *Hull width (Bh):* | *2.57 m* |
| *Bridge clearance (Ha):* | *1.36 m (above waterline, without canopy)* |
| *Total height (Th):* | *1.84 m* |
| *Max depth (Tmax):* | *0.48 m (not including motor)* |
| *Freeboard (Fm):* | *0.95 m (at amidships and loaded waterline)* |
| *Max persons (CL):* | *7 pers* |
| *Max load:* | *625 kg* / *915 kg* |
| *Max engine power:* | *250 hp (187 kW)* |
| *Max engine weight:* | *290 kg* |
| *Light fitness (LCC):* | *1770 kg completely empty boat including engine.* |
| *Max Total Load (MTL):* | *828 kg tanks, luggage and people.* |
| *Max weight (LDC):* | *2598 kg LCC + MTL the boat's maximum weight.* |
| *Transport weight (mT):* | *1973 kg boat with engine, equipment and tank contents.* |
| *Weight boat w/ motor (mEC):* | *1480 kg empty boat without engine.* |




**WARNING!**

Placing weight in the boat can significantly affect the handling characteristics.
Do not place heavy loads high up.

Too heavy a load or incorrect distribution of weight can also affect the boat's self-balancing system.

Correct use of engine trim is important for the boat's stability and driving characteristics.

Never install a motor with a greater power than indicated on the CE label.

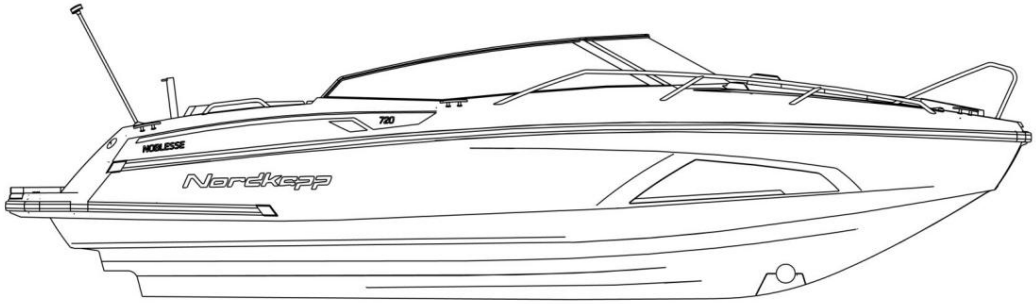
The capacity of the tanks may vary depending on how the boat is loaded.

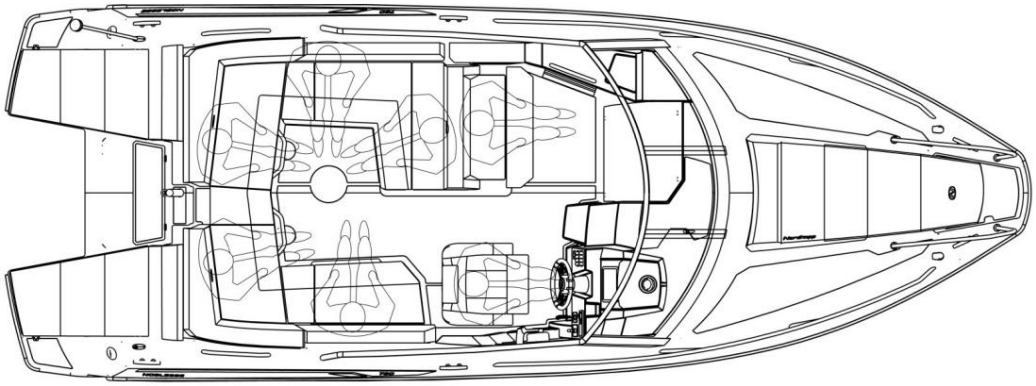
| | | |
|---|---|---|
| *Fuel tank:* | *182 litres* | *137 kg* |
| *Water tank:* | *40 litres* | *38 kg (optional equipment).* |
| *Septic tank:* | *30 litres* | *29 kg (optional equipment).* |
| *Starter battery:* | *12 volts / 100 Ah / 850 CCA (minimum recommended)* | |
| *Consumable battery:* | *12 volts / 100 Ah (minimum recommended)* | |

| | |
|---|---|
| *Manual bilge pump:* | *35 litres/ min* |
| *Electric bilge pump:* | *34 litres/ min* |
| *Electric door pump:* | *20 litres/ min* |
| *Gelcoat colors:* | *White—Bufa NPG white BF-90332* |
| | *Dark gray—Bufa NPG gray BF-07043-F* |
| | *Light grey— Bufa NPG gray BF-07075-F* |

Machine Translated by Google

## General overview



*Seats in the boat.*

**⚠ WARNING!**

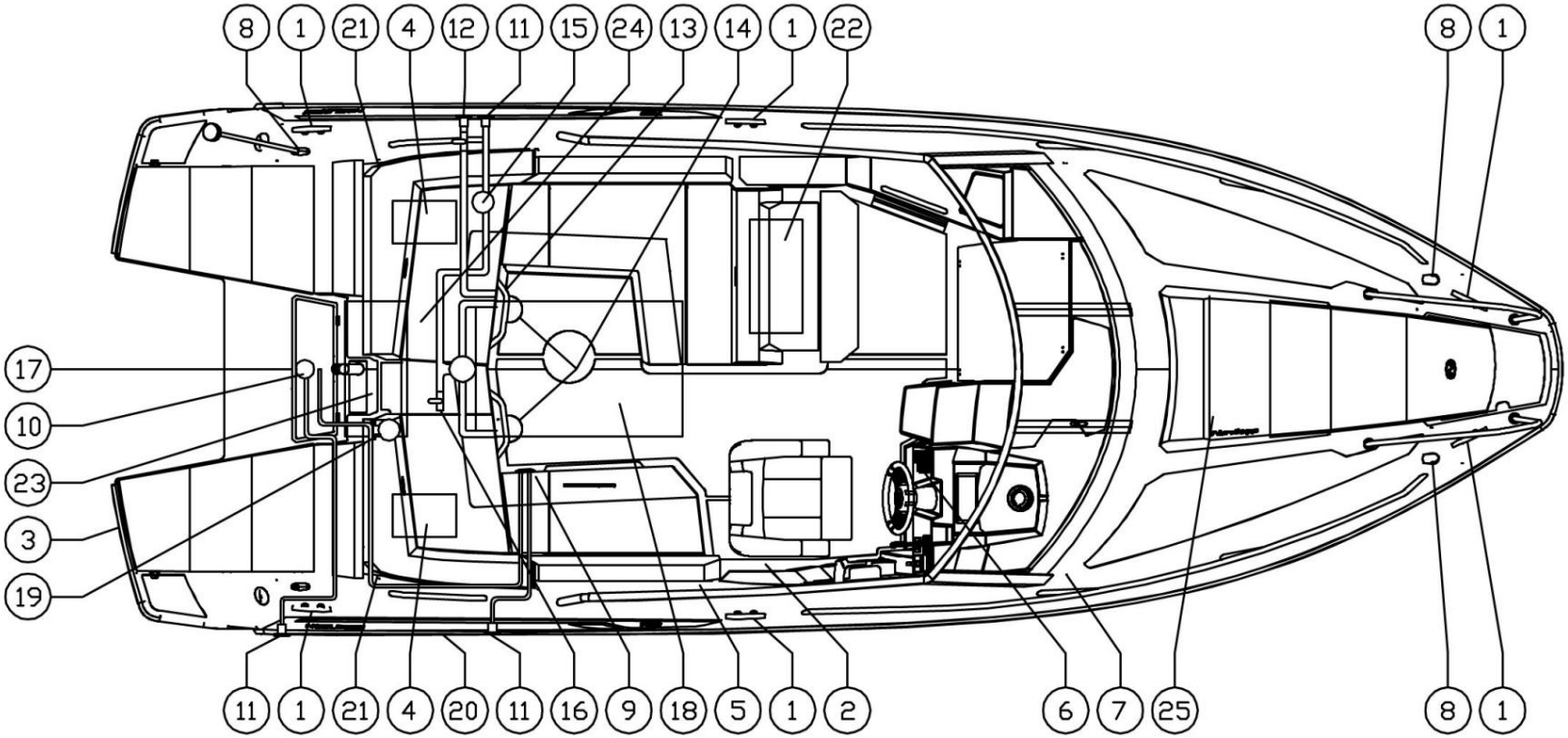
Do not take more people on board than recommended. The total weight of the persons must not exceed the load limits, regardless of their number.
Passengers should always use the seats in the boat during the journey.

For more information on load capacity see page 5.

1. *Mooring pulleys*
2. *Fire extinguisher*
3. *Rescue ladder*
4. *Battery*
5. *Main power switch*
6. *Switch panel*
7. *Security panel*
8. *Lanterns*
9. *Manual bilge pump*
10. *Electric bilge pump*
11. *Outlet bilge pump*
12. *Outlet reserve drainage w/ ball valve*
13. *Reserve drainage doork*
14. *Drainage door*
15. *Drainage pump door d*
16. *Winter drainage of pump*
17. *Bottom plug*
18. *Petrol tank*
19. *Fuel filter/ Water separator/ Ball valve*
20. *Fuel tank venting*
21. *Fuel tank room ventilation*
22. *Water tank (optional)*
23. *Septic tank (optional)*
24. *Outlet w/ ball valve septic (optional)*
25. *Intake w/ ball valve septic (optional)*

Machine Translated by Google

## *Overview Layout*



Machine Translated by Google

## Before you go on a trip

***Before you go on a trip***

*Familiarize yourself with this user manual and the boat. Always check these points before setting off.*

***Weather and weather forecast.*** *Do not set out in strong winds if you and the crew are not sure how to handle it. All hatches and doors must be kept closed during large waves to prevent water ingress.*

***Loading.*** *Do not overload the boat. All cargo and luggage must be secured well and distributed in the boat. Heavy loads must lie low in the boat to provide good stability.*

***Passengers.*** *Everyone must have the correct floatation equipment. And know their task on board.*

***Fuel.*** *Check that there is enough fuel for the trip, also keep some in reserve.*

***Engine and equipment.*** *Check that the engine, steering and other necessary equipment are in order. Also check for leaks and that safety equipment is in place.*

***Sea chart.*** *If you are not familiar with the waters you will be moving in, you must ensure and bring a map that covers the area. Tell me where you intend to go.*

***Laying out from the quay.*** *Agree on who will release moorings etc.*
*Mooring ropes can easily become entangled in the propeller.*

**WARNING!**

Placing weight in the boat can significantly affect the handling characteristics.
Do not place heavy loads high up.

Too heavy a load can also affect the boat's self-balancing system.

## When you are out on a trip

***Sight***

*Please note that visibility from the steering position can be significantly reduced in the following conditions:*

- *In the event of improper trim/ tilt of the engine*
- *Incorrectly set trim levels or incorrect use of these*
- *Load and load location*
- *Speed*
- *Fast acceleration*
- *Transition from displacements to planing speed*
- *Rain and sea spray*
- *Darkness and fog*
- *Light sources that dazzle and/ or destroy night vision*
- *Persons and loose equipment that are in the way of the driver*

***Opposite sea***

- *Always adjust your speed according to the size of the waves*
- *Adjust the angle to the waves according to the size of the waves*
- *Avoid getting the waves straight from the side*

***In the sea***

- *Always make sure to keep the bow high in seas*
- *Avoid forcing the waves - keep a low speed*
- *Boats with a large bearing aft and little bearing forward will be extra exposed in Mediterranean waters. The stern lifts, the rudder does not light and the boat will turn around, at the same time the bow cuts down.*

***Especially when reversing***

*Try with a quick forward maneuver to get the stern of the boat in the direction you want to bank, before the bank starts. This is very helpful for manoeuvring.*

**WARNING!**

High speed and quick maneuvers in rough seas can result in large heeling angles, and you can lose control of the boat.

Always keep hatches and doors closed when driving.

Follow the rules of the sea and keep a constant lookout.

Machine Translated by Google



## In order

*Moor the boat well, make sure it cannot hit the dock.*
*Also have some slack on the ropes in relation to the ebb and flow.*

**CAREFUL!**

Check the mooring ropes regularly for damage.

The owner / driver is responsible for ensuring that the mooring rope, tow rope and anchor lines are adapted to the boat's weight and use.

*Check that the taps for drainage are not closed and that the drains are not blocked. The drain must also be clean, so that leaves, paper and other things cannot block the drainage. It is also important to check that the hull penetrations for the drainage are not blocked on the outside by, for example, growth.*

*Close the taps for "Water intake" and "Septic out" on the toilet when you leave the boat. It is recommended to empty the septic tank after each trip if it has been used.*
*This will reduce odors in the boat.*

*Get the boat ready for the next trip. Fill fuel / oil tank, wash away salt from sea spray and boom.*

**CAREFUL!**

Check the boat's drainage regularly, especially after heavy rainfall and wind.

Toilet taps must be closed when you leave the boat.

*Make sure the batteries have received enough charge during the trip. Short trips at idle, a lot of use of the bow thruster, anchor windlass and cooling box taps batteries quickly.*

**CAREFUL!**

Remember to switch off the main power before leaving the boat

*Environmental considerations*

*Oil and fuel are highly polluting. Be careful when filling, avoid spillage.*

*Oil that is replaced must be removed in accordance with regulations.*

*Emptying of the septic tank must take place at facilities according to regulations or in deep water min. 300 m from land.*

*Avoid speeding and idling for long periods in harbors and elsewhere where boats are gathered. Exhaust makes noise and pollutes.*

*Always adjust your speed to the conditions. Be aware that any stern waves from your boat can create dangerous situations for other boats.*

*Keep a good distance.*

*Always remember to use approved primer, varnish and paint products.*

*Be careful when using strong detergents and cleaning products.*

## Man overboard

*If someone falls overboard:*

- *Maintain eye contact with the person who fell overboard at all times. Give a clear message to the driver of the boat and point with your whole arm in the direction of an emergency. It can be difficult to see in high seas.*
- *Maneuvers the boat carefully in case of emergency.*
- *Stop the engine! It is easy to involuntarily put it in gear during a rescue operation.*
- *Release the rescue ladder and help people on board.*

**DANGER!**

A rotating propeller is fatal to people in the water near the boat.

**WARNING!**

In recreational boats with a length of less than eight metres, everyone must wear suitable flotation devices when staying in the boat when the boat is in motion. Responsibility rests with the individual who is obliged to wear flotation equipment. For children under the age of 15, the boat driver is responsible.

Machine Translated by Google



***Fire protection***

*The boat is equipped with a powder apparatus of 2 kg. It is placed visibly close to the driver's position. The driver of the boat and others on board must familiarize themselves with the location and use of this. The device must be checked annually and after 10 years it must undergo a pressure test. Defective equipment must be replaced by one of the same quality or better.*

**⚠ CAREFUL!**

Pay attention to the following points:

- Never block access to safety equipment such as fire extinguishers, main power switches and fuel taps.
- Do not cover ventilation openings in the boat that are to remove fuel vapor.
- You must not make changes to the boat's electrical system or fuel system and do not allow an unskilled person to make changes to the boat's systems.
- Never fill the tank or handle fuel while the engine is running.
- Smoking or the use of open flames when handling fuel must not occur.

**⚠ WARNING!**

As the owner of the vessel, it is your responsibility to obtain and maintain the required safety equipment. If you want more information about mandatory safety equipment, you can contact local maritime authorities.

***Engine***

*The boat is designed for an outboard motor. It is recommended that the user manual for the engine, which is delivered with your boat, be read carefully before use. It describes the correct use and operation of the engine, gear and propeller.*

***Some important points:***

- *That all connections and hoses are intact.*
- *Main power must be connected.*
- *That other starting procedures from the engine's instruction book have been followed.*
- *Always have the engine cover on when starting the engine.*
- *Never go down the bathing ladder with the engine running.*
- *Stop the engine before inspecting the propeller.*
- *Always use "dead man's rope".*
- *The door becomes slippery when fuel is spilled.*

**⚠ CAREFUL!**

Always make sure to have 20% fuel in reserve.

See the engine manufacturer's specifications regarding the type of fuel and oil.

Check that all mooring ropes and other things that could damage the propeller have been removed before putting the engine into gear.

Stop the engine before inspecting the propeller.

Make sure that the bathing ladder is not embedded in the water when the boat is moving.

**⚠ READ YOUR OWN INSTRUCTIONS!**

Read the separate instruction book for more information about this equipment.

Machine Translated by Google

## Steering system / Hull bushings

### Steering

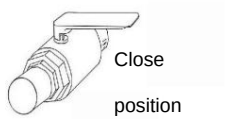
*Hydraulic steering system has been installed, and consists of a steering pump and hydraulic hoses. Check the hoses and connections for leaks, and make sure that the hoses do not have a sharp "bend". Small "cracks" can quickly lead to damage to the hose, which in turn can lead to the steering not working. If you have damage to the hydraulic hoses, they should be replaced with new ones. On top of the steering pump is a venting plug, this is used for filling and venting the system. The oil level must be above the pump mechanism. If there is too much oil in the system, this will leak out through this plug.*

**READ YOUR OWN INSTRUCTIONS!**

Read the separate instruction book for more information about this equipment.

### Hull penetrations

*The boat is equipped with various hull penetrations for water in and out. All that are below or near the waterline are equipped with ball valves. All valves for drainage and bilge must be open when the boat is on the water. Toilet valves are only opened when in use.*



Close position

Open position

### Inspection

*Check that there are no leaks and that the ball valves are not stuck.*

### Circulation

*During storage, all valves should be open. They can also be lubricated with a spray oil.*

**CAREFUL!**

Always check that all hull penetrations are tight after launching the boat.

## Fuel system

### Fuel system

*The boat is equipped with a fixed fuel tank and a filter with a water separator.*
*A stopcock for the fuel supply is also mounted on the filter.*
*The filter is changed / inspected at engine service. The tank is equipped with an inspection hatch for cleaning. Tank ventilation exits through the stern.*
*Filling takes place via the filling fitting marked "FUEL" under the SB draft hatch.*

*When filling, pay particular attention to the following points:*

- *Check that the boat is securely moored before refueling.*
- *Check for any leaks in the entire fuel system.*
- *Stop the engine and other electrical equipment.*
- *Close all hatches and doors.*
- *Investigate as accurately as possible how many liters are to be filled.*
- *Make sure that fuel does not leak into the hull of the boat.*
- *After filling, check that the filling cap is properly screwed on.*
- *Wipe up any fuel spillage.*
- *Check that there are no traces of fuel leakage in the tank compartment.*

**DANGER!**

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

Smoking or the use of open flames when handling fuel must not occur.

Get out of the boat when refueling if possible.

Check for fuel leaks regularly.

Machine Translated by Google

## Bilge / Drainage system

### Lens system

*Boats under 6 meters are equipped with flotation devices that prevent the boat from sinking. Boats over 6 meters do not have this, they are equipped with a manual bilge pump. All models are equipped with an electric bilge pump which is activated automatically. They can also be activated manually from the switch panel.*
*All models also have a bottom plug for draining the hull when the boat is stored on land and the battery is disconnected.*

### Self-drainage

*The boat is equipped with a self-draining door and a hold. The door in this boat is at the same level as the waterline, therefore the water that flows down the drains on the boat is drained out with an automatic electric pump. This pump works independently of the main power switch, but is dependent on power from the batteries. If the pump or battery should fail, there is also a backup system that drains the water when it reaches a certain level. This drain is equipped with a non-return valve and shut-off valve. This can be closed if water gets in when the boat is heavily loaded. Make sure that the shut-off valve is always open when the boat is not in use. Be sure to keep the door drains clean and free of leaves and dirt, so that they do not become clogged.*

**⚠ WARNING!**

The bilge pump is not designed for damage control in the event of grounding. Check that bilge pumps are working regularly. Clean the water intakes.

The bottom plug should be open when stored outdoors to avoid water and frost damage.

Always check the bottom plug before launching.

A lot of water in the hull affects the boat's driving characteristics.

Too heavy a load can also affect the boat's self-balancing system.

The electric bilge system must be protected against frost if the boat is to be stored cold. More info under maintenance and circulation.

When the boat is outside unattended, a canopy or tarpaulin must be in place mounted.

## Electrical system

### The electrical system

*The boat is equipped with two batteries, one for the engine and one for all equipment. A charging relay is fitted which controls the charging current from the motor. The starter battery is always prioritized. Equipment such as coolers, radios and GPS automatically switch off when the battery voltage gets too low. This is connected to the consumption battery.*
*The fuse panel is equipped with automatic fuses that pop out in the event of a fault / overload. These can be reset by pressing again.*
*If the error recurs, this should be checked at a service workshop.*

### Bilge pump

*The automatic bilge pump and bilge pump are connected directly to the battery with its own fuse so that it is also active when you leave the boat.*

### Batteries

*Make sure the batteries are always fully charged when the boat is not going to be used for a while. This extends the life of the batteries. During winter storage, the poles should be disconnected and the maintenance batteries charged. The battery terminals must always be kept clean to ensure good contact. If you are going to replace the batteries, make sure they are of the right quality, the motor and equipment require a high starting current.*

**⚠ WARNING!**

The batteries must always be connected when the boat is on the water for the bilge system to work. The main power switches do not need to be on.

**⚠ DANGER!**

Never turn off the boat's main power switch when the engine is running! This can damage the engine's electrical system.

Never modify the boat's electrical system! Modifications and maintenance must be carried out by an authorized boat electrician.

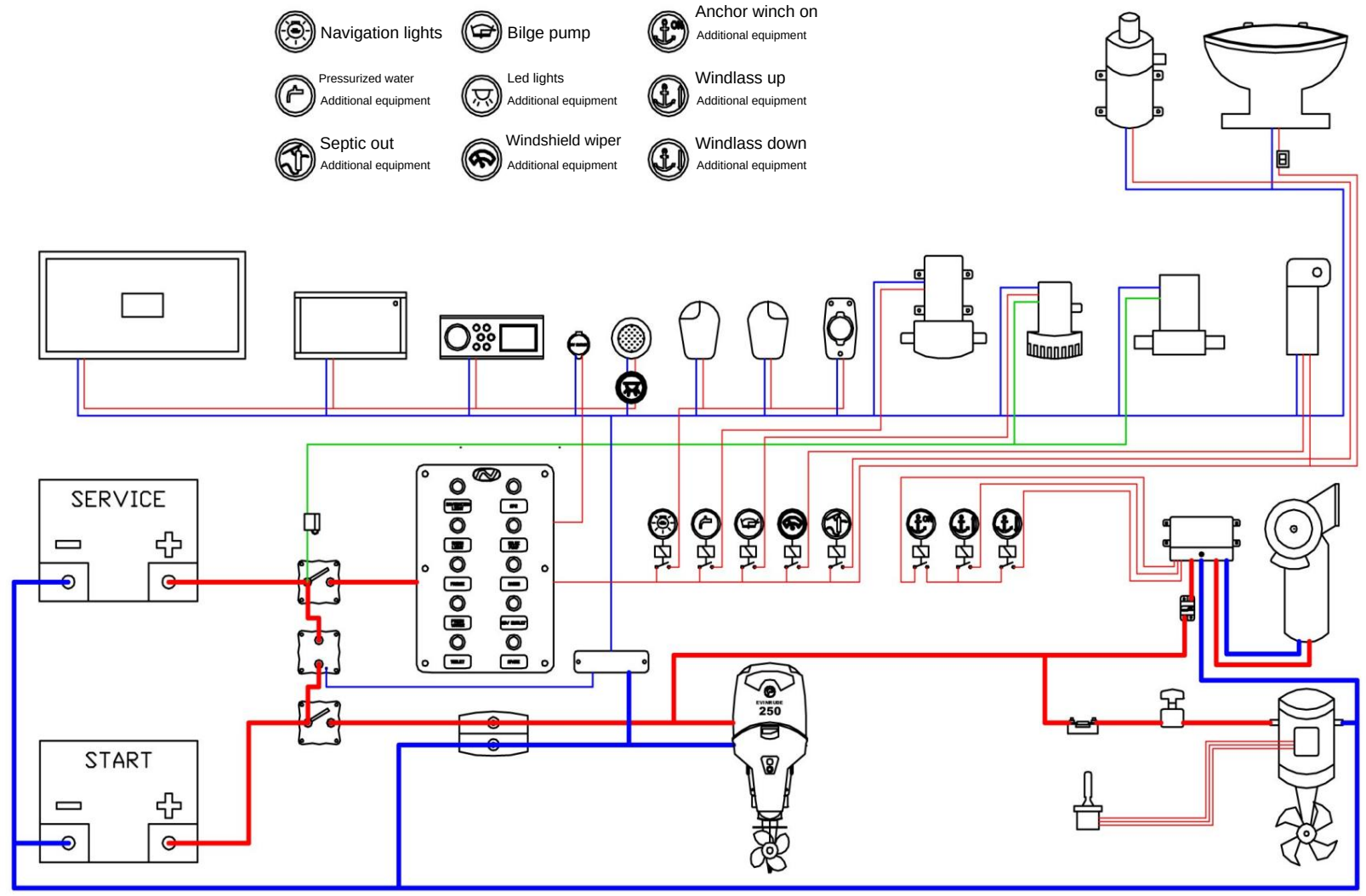
Always turn off the main power switches when leaving the boat.

When the batteries are charged, they release an explosive gas. Make sure that the ventilation is not blocked.

Machine Translated by Google

## Electrical system

***Switch symbols***



Machine Translated by Google

## Sanitary system

***Sanitary system***

*An electric toilet with septic tank is supplied as an optional extra.*

*It can also be ordered with the emptying of the septic tank above the deck.*

***Before use***

*Open the ball valve marked "Water intake"*

***After use***

*Flush with a push button at the toilet. (do not flush more than necessary, to save capacity in the septic tank). You must always remember to close the water inlet valve after use. If this is not done, the toilet can fill with water and overflow when driving. We also recommend regular use of sanitary liquid to prevent odours.*

***Emptying the tank***

*When emptying the septic tank, you must open the drain valve marked "Septic out".*
*Then start the drain pump with the switch marked "Septic out" on the dashboard. It is important not to run this pump dry, as the membrane inside the pump will break. Always close the drain valve after use.*
*If you want to empty above the deck, open the tap marked "Vacuum waste system" and the septic tank is sucked out through the deck opening marked "Waste". Emptying of the septic tank must take place at facilities according to regulations or in deep water min. 300 m from land. Check the rules for emptying septic tanks in the area you are in.*

***Inspection***

*Check hoses and connections for any damage and leaks. Add sanitary liquid to the tank according to the manufacturer's instructions, to prevent gas formation and odors. If the toilet's pump and the septic tank's drain pump are overloaded, the fuse marked "Toilet" on the fuse panel may trip. This must then be pressed again to try again. This can also happen when using for the first time, after having been unused for a long time.*

***Circulation***

*When storing, the toilet and tank must be rinsed well and emptied of water, to avoid frost damage. Leave all valves open. Add frost-proof sanitary liquid to the toilet, to the tank and drain pump.*

## Water system

***Pressurized water***

*Pressurized water system is supplied as an optional extra.*

*The water tank is filled up via the deck opening marked "Fresh Water".*
*To activate the pressurized water, turn on the switch on the dashboard labeled "Pressurized water". The pump will then start and stop again automatically when the water pressure is stable. The pump starts again automatically when the tap on the shower or sink is opened. When the water tank is empty, it is important that the switch labeled "Pressurized water" is turned off.*

***Inspection***

*Check hoses and connections for any damage and leaks.*

***Circulation***

*During storage, all hoses, pressurized water pump and tank must be emptied of water to avoid frost damage. Leave all valves open.*

**⚠ CAREFUL!**

Don't mistake the tire grommets labeled "Fresh Water" and "Fuel"

Water in the petrol destroys the engine and petrol in the water system destroys this.

**⚠ CAREFUL!**

Be careful what you put in the toilet. Grinder, valves and hoses can be sealed.

Never leave the boat with the water intake and discharge valve open.

Machine Translated by Google

## Anchor winch

***Anchor winch***

*Anchor winch is supplied as an optional extra. A rope winch with free fall from Sleipner has been installed. To activate the anchor, press the "Anchor on" button. The anchor is released when the (DOWN ARROW) button is pressed for approx. 5 seconds. To stop/ to lock the anchor the (UP ARROW) button must be pressed. When the anchor is to be pulled up, press the "Anchor up" button. It is important to stop the anchor for cleaning just before it enters the anchor bushing, then drive it all the way in. This will prevent the anchor from coming loose the next time it is used.*

***Inspection***

*Check that both copper rings are on the anchor line near the anchor. These must record where the anchor must stop for cleaning and final stop.*

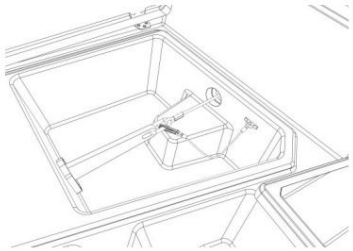
***Circulation***

*When the season is over, it may be a good idea to wash the anchor line to prevent the rope from becoming stiff and the sensors stop working.*

**⚠ CAREFUL!**

The safety line for the anchor winch must always be fitted after use. If not, the anchor may fall out while driving and cause damage to the anchor windlass and the boat.

*When using an anchor winch, the safety line must be removed before use and fitted again after use. Make sure the anchor is fully driven in before hooking the safety line.*



**⚠ READ YOUR OWN INSTRUCTIONS!**

Read the separate instruction book for more information about this equipment.

## Bow thruster

***Bow thruster***

*Bow thruster is supplied as an optional extra. The bow thruster is controlled with the joystick mounted on the dashboard. To activate the joystick, both buttons (ON) must be held down at the same time until the light comes on. The joystick is automatically deactivated after a while if it is not used.*

*The bow thruster is also equipped with an emergency stop switch, which can be pressed to cut off all power to the engine in the event of a fault. The emergency stop switch is pulled out to reconnect the power again.*

***Inspection***

*Check that there are no signs of water leakage at the bow thruster motor/gearbox.*
*If you hear the engine running without the boat moving, the safety pin has broken.*
*This can be easily replaced and a spare cotter pin sits on the engine cover.*

***Circulation***

*When the boat is ashore, the zinc anode on the bow thruster should be checked/replaced.*
*Also check the propeller for damage.*

***Remote control***

*Remote control for anchor windlass and bow thruster is also supplied as an optional extra.*
*This is activated with two "ON" buttons and deactivated with an "OFF" button or automatically after approx. 4 minutes after last use. Alerts the remote control with a red light and a beep, this indicates a bad battery in the transmitter. See separate manual for battery replacement and use.*

**⚠ READ YOUR OWN INSTRUCTIONS!**

Read the separate instruction book for more information about this equipment.

Machine Translated by Google

# Anchoring, mooring and towing

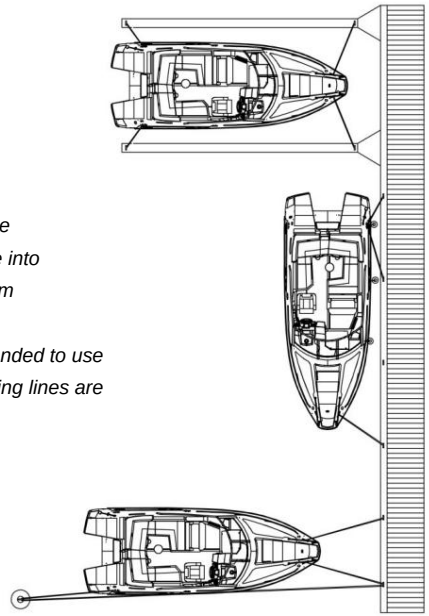
### Anchorage

*When anchoring a boat, the ropes are attached to one or more of the boat's bollards.*
*If the boat is to lie in a buoy, the bow hook can be used. Use a mooring spring to avoid hard jerks in the bow hook. Always moor the boat well, weather conditions can change quickly.*

*The length of the anchor line that is let out should be 4-5 times the depth to achieve a good attachment. Do not leave the boat until you are sure that the anchor has a good anchorage.*

### Mooring

*The boat is moored in the boat's bollards.*
*Do not moor the boat with the stern facing the open sea, because high waves can then hit the boat. When the boat is moored, you must take into account wind direction, tides, wake/waves from other boats, etc.*
*If the boat is moored longboard, it is recommended to use a minimum of 3 fenders. Make sure that mooring lines are not too tight as this will result in harsh pull at attachment points on the boat and pier.*



**⚠ CAREFUL!**

Remember to take account of changes in wind direction, tides, waves from other boats etc. when mooring the boat.

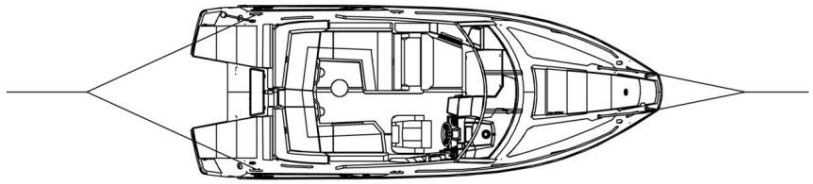
It is the responsibility of the boat owner/driver to check that the boat's mooring equipment is sufficient for the boat's use.

**⚠ CAREFUL!**

Lines, handles, water ski masts etc. must never be used for anchoring, mooring or towing. It is the owner/user's responsibility to ensure that the mooring, towing and anchor ropes, chain and anchors are sufficient for the vessel's intended use

### Towing

*If you are towing or being towed, the bollards must be used. Always use two bollards on the weather side to distribute the load and increase stability.*
*This also applies when towing tubes etc. If the water ski mast is used for this, it can be damaged.*



**⚠ WARNING!**

Always use the lowest speed when towing. If it is a displacement boat, you should never exceed the hull speed.

Use a floating rope that does not exceed 80% of the breaking strength of the attachment points. A mooring puller can withstand approx. 15 kN.

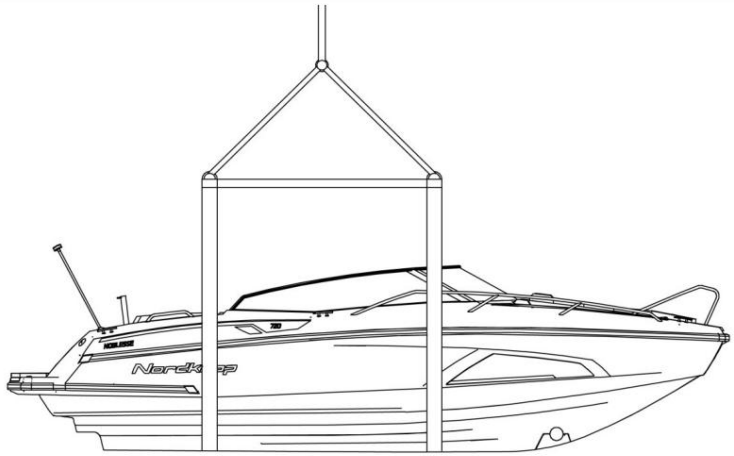
The tow rope must always be secured so that it can be loosened under load.

**⚠ CAREFUL!**

The water ski mast is only intended for one person on water skis or a wake board.
It must not be used for towing other equipment.

Machine Translated by Google

## Boat lifting



***Lifting the boat***

*Adjust the straps so that the boat is horizontal and stable when lifting.*
*Place protection between the straps and the boat to avoid scratches.*
*We recommend the use of a lifting jack or truck with long forks to avoid strong lateral pressure on the hull.*

**⚠ WARNING!**

Never attach the straps to bollards, lines or other similar parts fixed to the boat. The straps must go under the keel.

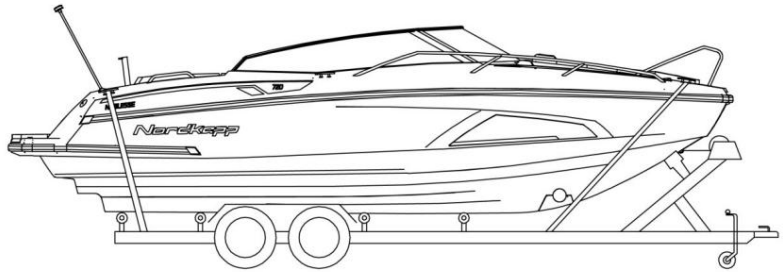
**⚠ DANGER!**

Do not stand under the boat when lifting.

## Transport by boat

***Transport of the boat***

*Make sure that the trailer can withstand the boat's transport weight and is adapted to the boat.*
*When the boat is transported on a trailer, the weight of the boat must rest on supports under the keel. Adjust side supports to avoid shifting. Fasten the boat firmly with sturdy straps in the bollards at the front and rear as well as in the bow hook.*
*The straps in the bow should stem down and backwards and the straps at the back should tighten down and forwards. Remove unnecessary and loose cargo and close all hatches and doors. Put the engine in transport position.*



**⚠ CAREFUL!**

The console cover creates dull areas in the windscreen if it is on during transport, we recommend that it is always removed. Wash the windscreen before putting the cover back on.

**⚠ WARNING!**

Use sturdy straps when securing the boat to the trailer. It is important to have the right size of trailer in relation to length and weight.

Machine Translated by Google

## Maintenance tips

**Bottom material**

*The bottom fabric that is delivered to the boat from the factory is of the brand Hempel Hard Racing True Gray, it is the fabric according to a standard measurement. The waterline must therefore be adjusted on some boats after the first season.*

**Acidproof steel**

*Acid-resistant details may give off a slight rust colour. This can be acid washed or polished away. The rust color does not come from the acid-resistant steel, but is metal shavings from the tools used in production.*

**Pillow buttons**

*The pillow buttons need some lubrication to prevent them from sticking. Salt from seawater settles inside the buttons and corrodes. Use a liquid lubricant such as WD-40 or CRC 5-56.*

**Batteries**

*The batteries should be kept fully charged at all times. If there are many short trips at low revs and a lot of use of electricity for the radio and cooler, the engine will not have enough time to recharge the batteries again. It may then be necessary to top-charge the batteries with a battery charger.*

**Software**

*Software updates may be necessary for equipment such as GPS, radio and engine. The dealer can help you with this if you don't want to try it yourself.*

**Maintenance and tips online**

*We have made a number of films that show a bit about use, maintenance and preparation. You can find these on our website.*

*www.nordkapp-boats.no/ tips-om-service-og-vedlikehold-tekniske-filmer/*

## Circulation

**Toilet (optional)**

*If you have a toilet in the boat, this and the septic tank must be emptied and flushed before the boat is put away. A frost-free liquid must be run through pumps and hoses to avoid frost damage. All faucets should be open.*

**Pressurized water (optional)**

*If you have pressurized water in the boat, the tank, pump and hoses must be emptied of water to avoid frost damage. The hoses can be emptied by disconnecting the hose from the pressurized water pump and blowing out the water. Faucets should be left open and the shower head should be disconnected.*

**Drainage**

*If the boat is to be stored outdoors, it is important that all drains are open and the bottom plug is removed. The electrical drainage system must be emptied of water to avoid frost damage. This is done by opening the ball valve which is shown on page 7 point 16. Any water that then ends up on the door drains down into the hull and out through the bottom plug. The boat must be positioned in the same way as it is on the water for all hatch drainage to work. When you remove the drain plug, a little water may come out, a few liters is normal.*

*This comes from lantern bases, flag holders, washing with a water hose, condensation etc*

**Batteries**

*The batteries are disconnected and top-charged. They should also maintain their charge. once during the winter and before launching in the spring. If the boat is to be stored outside, we recommend that the batteries be removed.*

**Engine**

*The engine is preserved for the winter according to the manufacturer's instructions.*

**READ YOUR OWN INSTRUCTIONS!**

Read the separate instruction book for more information about this equipment.

Machine Translated by Google

## *Warranty, Service and Receipt*

***Warranty***

***(Dealer stamp)***

*Contact the seller regarding the warranty on the boat.*

***Insurances***

*Boat insurance covers damages that occur at sea or during transport and docking.*
*Insurance also has an indirect impact on safety at sea: in the event of a serious accident, you can concentrate on saving lives.*
*Further information on various insurance options is available from the insurance companies.*

***Receipt for received manual***

*As a boat buyer, you must acknowledge that you have received the manual.*

*Customer:* _____ *Seller:* _____

*Date:* _____

*(retailer keeps a copy of this page)*

Machine Translated by Google

**NORDKAPP BOATS AS**

Jellestadveien 30, 1739 Borgenhaugen, Norway

E-mail: firmapost@nordkapp-boats.no

www.nordkapp-boats.no

We reserve the right for any errors and changes in the manual.