



**VanDerHeijden
Steelyachts**

Quality in the finest shape...



**VanDerHeijden
Steelyachts**

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Specifications

VanDerHeijden

Exclusive 1350



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1 Design and features

1.1 Construction of the hull

The hull and the superstructure will be made of 4 mm sandblasted plate. Where necessary the ship will be welded in a double manner.

Finishing

- 2 ventilation holes in the engine room
- rudder, rudder heel and galand
- steel exhaust pipes for the engine
- a 500 l diesel tank
- 2 x semi-spiral stairs to the bathing platform

1.2 Hull

The form of the hull of the VanDerHeijden will be a hard-chine hull.

The VanDerHeijden *EXCLUSIVE* design is characterised by the stylised superstructure, a full bow and a slim-lined rear side of the ship.

This ship is particularly suitable to sail all Dutch inshore and/or European (coastal) waters.

1.3 Model

The VanDerHeijden *EXCLUSIVE* is an Open-Cockpit model.

VanDerHeijden "EXCLUSIVE" Standard specifications

EXCLUSIVE Model	1350
Overall length	13.50 m
Hull length	13.00 m
Length waterline	10,50 m
Beam	4.25 m
Draught	1.10 m
Displacement approx.	13 t
Capacity water tank approx.	400 l
Capacity diesel tank approx.	500 l
Capacity waste water tank approx.	100 l

On account of the fact that the weight of the ship has a considerable effect on the correct performances of the ship the builder reserves the right to select appropriate equipment and parts in all instances where no type and/or brand is mentioned.

HIN Code: NL.VAW.....

This code will be placed at the top right of the stern.



1.4 Sandblasted plate

The entire ship, the steel hull, the steel superstructure, tubing and the frames is build from sandblasted steel, as delivered to the shipyard.

After completion of the body the entire ship will be degreased and the first layer of the paint system will be applied to the ship.

Before the first layer will be painted on the entire body all corners, borders and joints will be prepared with a primer layer by hand.

Thereafter the entire ship will, on the inside as well as on the outside, be coated with a layer of primer and will then be treated in accordance with the schedule here below:

- Underwater ship: 2 layers of Primer (2 comp)
- Topside ship: 1 layer of Primer (2 comp)
- Decks: 1 layer of Primer (2 comp)
An antiskid material may be added to the first layer of primer.

- Engine room: 1 layer of primer (2 comp)

1.5 Paint system and conservation

The ship will be treated as follows:

- Underwater ship 1 layer of epoxy coating
1 layer of anti-fouling (colour selected by the customer)

- Topside ship 2 layers of primer 3 layers of finish lacquering (colour white)
Name of the ship piping (colour selected by the customer)

- Engine room 1 layer of single comp. finish lacquering
- Interior 3 layers of silky gloss finish lacquering (1 comp)

Before the aforementioned treatments will be carried out the entire ship will be checked on dents and so forth, above the waterline everything will smoothly be filled. In between the various treatments the ship will be sandpapered and cleaned every time.

The ship will be painted by a specialised company

2 Deck equipment

2.1 Railing

A polished stainless steel railing with a diameter of 30 mm (quality 316), with a under railing with a diameter of 20 mm will be placed on the main deck.

A stainless steel radar bracket will be mounted on the roof of the wheelhouse.

A stainless steel flagpole (detachable) will be mounted on the stern of the ship.

2.2 Bollards

The ship will be provided with stainless steel bollards with a diameter of 60 mm equipped with a pen. The bollards will be divided as follows:

- 2x1 on the fore ship
- 2x1 amidships
- 2x1 on the stern

3 Propulsion

3.1 Engines

- The engine is an IVECO +/- 150 HP (in consultation with the customer other types of engines may be discussed)
- A Python Drive (based on the engine) will be placed between the transmission and the propeller shaft.

Engine control (gearbox and revolutions) takes place by means of mechanical push-pull cables which are connected with handles on the dashboard.



3.2 Propeller shaft

The propeller shaft is water lubricated and has a diameter of 50 mm.

3.3 Propeller

A manganese bronze propeller will be installed on the propeller shaft.
Measurement and type in consultation with the manufacturer.

3.4 Exhaust

Main engine: water cooled stainless steel exhaust pipe with a sufficient diameter will be installed to the main engines. A water lock, located in the engine room, will be placed between the exhaust pipe and the engine. From this water lock, exhaust gasses will be transported out through a pipe which exits under the bathing platform.

3.5 Steering

Steering of the ship will be executed in a manual-hydraulic manner by means of a plunger pump which will be operated from the control position.

4 Systems

4.1 Fuel system

The fuel tank forms a part of the construction. The tank will accurately be cleaned and pressurized. Filling and ventilation pipes are installed.

A float will be placed in the tank for the benefit of the level meter. The fuel pipes will be executed in copper and the system will be provided with the necessary valves.

4.2 Cooling water system

The engine will be provided with:

- a heat exchanger
- an oil cooler
- a circulation pump
- an outboard water pump

The outboard inlet will be provided with a mud box of which the cover will be placed above the waterline and which can be locked by means of a spherical valve.

4.3 Fresh water system

The capacity of the Fresh water system is 400 litres. A hydrophore will be placed in the engine room which will take care of the water pressure system.

The pipes and couplings will be executed in accordance with the standards of the shipyard.

4.4 Waste water system

The capacity of the waste water system is 100 l. Draining from the toilet will take place directly to the waste water tank. Draining from the sink and washbasin will go directly overboard. The shower will first go to a collecting tank, after which it will, by means of a float switch pump, be pumped overboard.

5 Insulation

5.1 Ventilation

- The engine room will be ventilated in a natural manner, to this end ventilation openings are made in the hull, on starboard as well as on port, which will be connected to the engine room by means of channels.
- The rest of the ship will be ventilated in a natural manner.

5.2 Thermal insulation

- The entire ship above the waterline will be insulated with isolation foam (PUR) and Rockwool.



6 Auxiliary tools

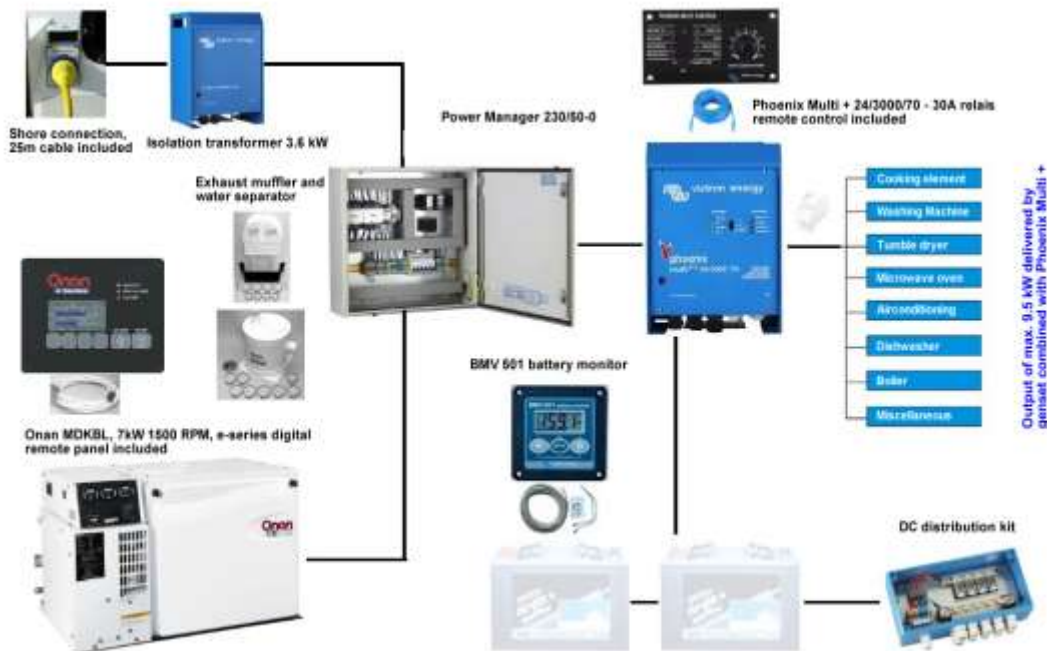
6.1 Generator

A water cooled diesel generator set of the brand ONAN of +/- 7 KVA at 1500 revolutions will be installed; the generator set will, in a flexible manner, be arranged on a foundation and will be provided with a soundproof box.

The whole will completely be installed and connected. The exhaust will be water cooled and will consist of a water separator and hose delivered by the generator supplier.

The generator package will consist of the following:

- Generator
- Phoenix multi 24V/3000VA/70A
- Isolation transformer
- Battery monitor
- All needed cables
- Shore power connection



Schematic overview of the electrical installation

6.2 Batteries

A total of 4 batteries will be installed in the engine room.

Charging of the batteries will take place by means of the main engine, generator with battery charger or shore power supply with battery charger.

6.3 Stereo system

1 Dolby surround set

1 x TV screen +/- 16 inch

6.4 Hydrophore

A hydrophore will be placed in the engine room.



6.5 Heating

The heating of the ship will take place by means of an oil burning 220 Volt central heating installation of a brand in accordance with the standards of the shipyard. The entire ship will be provided with floor heating and radiators.

Radiators at the following locations:

- 1 small one at the front peak
- 1 behind the dinette
- 1 designer radiator in the bathroom

6.6 Electrical Anchor Winch

An electrical anchor winch with sufficient tractive power, suitable for an anchor of approx. 18 kg and a chain of 8 mm, will be installed on the forward deck. According to the standards of the shipyard, the latter will be coupled to a 25-metre long galvanised chain which at the end will be connected to the hull. The chain will be guided by a stainless steel foldable anchor detail.

7 Lighting fittings and wall sockets

The ship will be equipped with the following fittings, wall sockets and so forth.

Front Cabin:	2 halogen lights with alternating switch 1 wall socket
Bathroom	1 halogen light
Dinette:	2 halogen lights 1 wall socket
Kitchen:	2 wall sockets
Saloon:	2 halogen lights 1 wall socket
Engine room:	1 water-tight neon light

The location of the lights and switches are determined (in consultation) during the woodwork.

8 Navigation and communication system

The ship will be equipped with the following navigation and communication means:

- navigation illumination:
 - starboard light (green)
 - port light (red)
 - stern light (white)
 - top light (white)
 - anchor light (white)
- dashboard:
 - instrument panel supplied by engine manufacturer
 - switchboard
 - motor control
 - 1 steering wheel, diameter 50 cm, black
 - 3 x windscreen wipers
 - necessary content meters of the tanks
 - horn

All in accordance with the standard of the shipyard.

9 Miscellaneous interior/exterior

9.1 Interior panelling

The finishing of the interior for bulkheads, cabinets, beds and so forth will be executed in cherry veneer in accordance with the standard requirements of the shipyard.

Locks and hinges will be of a sound quality and will be executed in accordance with the standards of the shipyard.

The ship will be partially furnished with washable foam vinyl or skai.



- 1 x electrical toilet
- 1 x sink/washbasin
- 1x combi-microwave
- Ceramic cooker
- The straight walls in the bathroom will be tiled
- The floor of the bathroom will be covered with a "stone-carpet"
- The ceiling will be covered with a synthetic material (colour white)
- The saloon will be closed with a wooden door, partially foldable. The threshold will be made as low as possible.
- A teak/synthetic product floor will be placed in the Open-Cockpit. Furthermore, teak/synthetic product will be placed on the bathing platform and the bench cum storage.
- For the soft furnishing an approximate estimate of € 4.500:- has been calculated.

9.2 Windows and portholes

All windows in the superstructure will be made of hardened security glass. (Thermopane where possible) The windows will be placed in an insulated aluminium frame with round corners. The glass used will be tinted grey.

The opening portholes will be made of 6 mm tinted Perspex and installed in an aluminium frame of 375x175 mm.

9.3 Escape hatch

Above the fore cabin an escape hatch will be installed, it can be opened from the inside and will be installed in an aluminium frame 500x500 mm.

9.4 Fire extinguishers

3 fire extinguishers of 1 kg a piece will be installed on the ship.

9.5 Anodes

For the protection of the underwater ship and the propellers, sufficient aluminium, - zinc or - magnesium anodes (depending on the sailing water) will be placed against the bottom.

9.6 Bowthruster/sternthruster

A 50 kgf electrical bow and sternthruster will be installed, according to the standard of the shipyard

10 Delivery

10.1 Delivery terms and conditions

In accordance with the agreement.

10.2 Manual

Upon delivery a manual will be provided containing all the technical information and user instructions of equipment or appliances installed aboard.

10.3 Warranty

Following receipt and signature of the receipt protocol the warranty period of 1 year will commence. The warranty will cover defective components and/or equipment.

10.4 Receipt protocol

During and after the sea trials, during which all the required tests will take place, following the approval of the principal a receipt protocol will be signed and the warranty period will subsequently commence.

10.5 Contract variations

All contract variations occur after a written order, signed by the buyer as well as the seller.