

# Build specification

## Jetten 50 MPC Fly-Bridge

by Jetten



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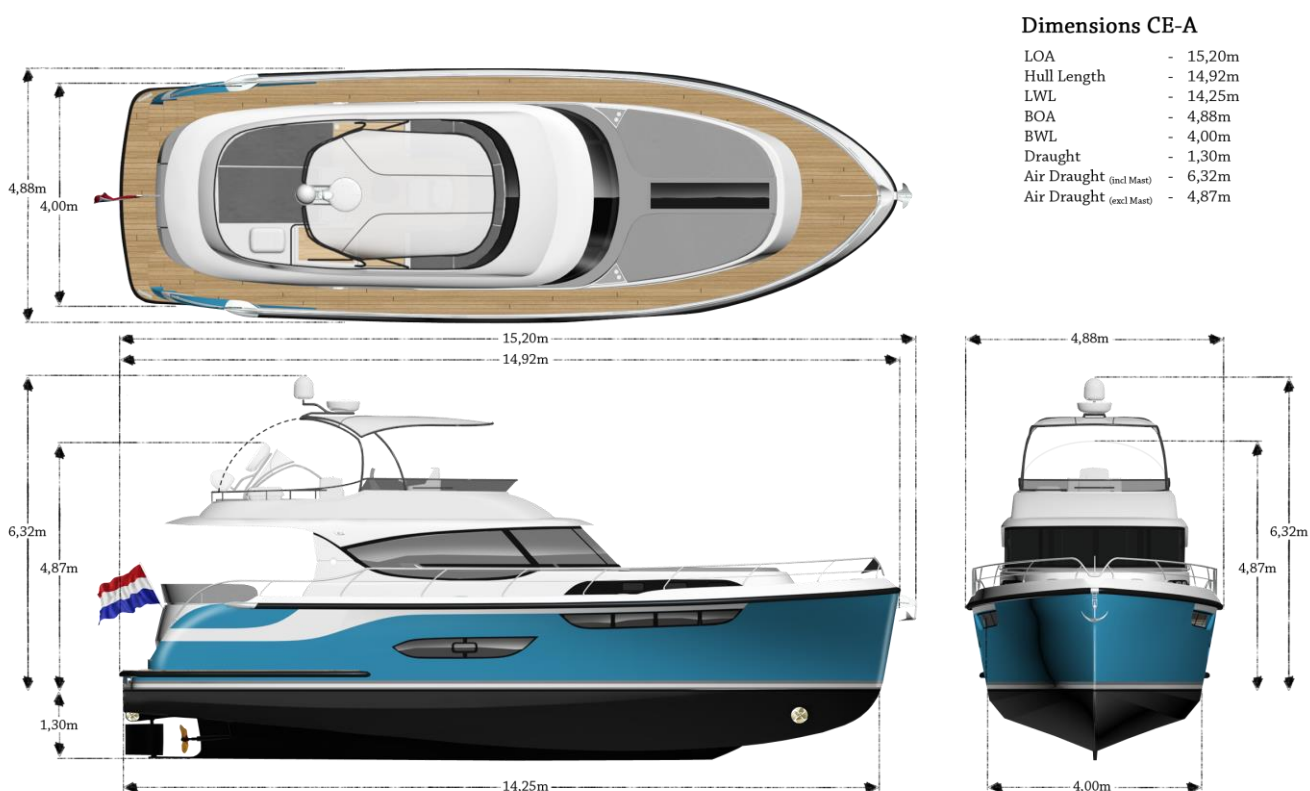
## A Description of Yacht

### A1 General

The yacht is a single or dual engine, displacement or semi-displacement (half sliding) motor yacht. The construction is a steel hull with steel superstructure and composite roof.

### A2 Design

The design of the yacht is in accordance with the drawings in the general profile, and is described in this technical specification.



### A3 Measurements

The following measurements may have a tolerance as stated in the table, the draught, water displacement and air draught depend on the loading circumstances of the yacht. The values below are calculated with a half load. (Half load is 50% of 2.250 litres of fuel + 50% of 820 litres of water + 50% of 350 litres of waste water).

| Description                                       | Metres      | Tolerance |
|---|-------------|-----------|
| Length overall (l.o.a.)                           | 15,2        | 1%        |
| Hull length*                                      | 14,92       | 1%        |
| Length at waterline (L.W.L.)                      | 14,25       | 1%        |
| Overall breadth (Bmax)                            | 4,88        | 1%        |
| Breadth at waterline (Bwl)                        | 4,001       | 1%        |
| Draught**   | 1,3         | 5%        |
| Air draught**                                     | 6,32        | 5%        |
| Air draught with mast lowered**                   | 4,87        | 5%        |
| Standing height in saloon                         | 2           | 1%        |
| Standing height in master bedroom                 | 2,02        | 1%        |
| Standing height in VIP room                       | 2,03        | 1%        |
| Standing height in guest cabin/shower/toilet/hall | 2,03        | 1%        |
| Standing height engine room                       | 1.64        | 1%        |
| Dimensions of master bedroom (gross)              | 4,08 x 3,74 | 1%        |
| Dimensions of saloon (gross)                      | 5,72 x 3,37 | 1%        |
| Dimensions aft peak (gross)                       | 4.02 x 1.85 | 1%        |
| Content of fuel tank                              | 2.250 litre | 5%        |
| Content of water tank                             | 820 litre   | 5%        |
| Content of waste water tank                       | 350 litre   | 5%        |
| Displacement***                                   | 25.470 m3   | 10%       |

\* Length according to CE/Rijn norm

\*\* Depending on finish and apparatus

\*\*\* Depending on motor and finish

### A5 Sleeping accommodation

In accordance with the drawing of the layout (GA) the yacht will be provided with the following accommodation:

#### Owners version

| Description of room: | Beds:          | Dimensions: | Capacity: |
|----------------------|----------------|-------------|-----------|
| Master bedroom       | Queen-size bed | 2,06 x 1,73 | 2 Persons |
| VIP room             | Queen-size bed | 2,06 x 1,6  | 2 Persons |
| Guest cabin          | Double bed     | 2,1 x 0,65  | 2 Persons |
| Total                |                |             | 6 Persons |

#### Charter version

| Description of room: | Beds:          | Dimensions: | Capacity: |
|----------------------|----------------|-------------|-----------|
| VIP room             | Queen-size bed | 2.06 x 1.60 | 2 Persons |
| Guest cabin 1        | Double bed     | 2.00 x 1.45 | 2 Persons |
| Guest cabin 2        | Bunk bed       | 1.95 x 0.70 | 2 Persons |
| Guest cabin 2        | Double bed     | 1.95 x 1.20 | 1 Person  |
| Guest cabin 3        | Bunk beds      | 2.10 x 0.65 | 2 Persons |
| Total                |                |             | 9 Person  |

\*Applies to both fixed beds and folding system.

#### A5.1 Option Crew Cabin

Aft peak is converted to crew cabin consisting of 2 single beds and a bathroom with toilet, sink and cabinet. Increasing the total number of person by 2.

## **A6 Hull shape**

The hull shape is of the multi chine type with a straight stern and a box keel construction.

## **A7 Propulsion**

The yacht is propelled by a single or dual engine with a power of 125 KW to 250 KW. Equipped with propeller shaft.

## **A8 Class/approval**

The yacht is constructed to the standards of CE - class A certified bij IMCI. A type plate will be fitted to the yacht.

# **10 Construction/Shell**

## **10.1 Materials**

In the case of all materials the quality requirements and standards for yacht construction are sufficient.

## **10.2 Plate work**

The steel used for the hull and superstructure is steel Grade A, the plates are pre-sprayed and untreated. The hull thickness is 5 mm, the sides of the superstructure 4 mm, the thickness of the keel is 5 mm.

## **10.3 Construction**

The construction is a so-called lateral frame construction comprising pre-cut steel frames with a thickness of 8 mm, and distance between frames of 400 mm.

## **10.4 Keel**

The keel is constructed according to the box principle, with a keel plate underneath, the heel with rudder socket is constructed in such a way that it can be de-mounted, in order to remove the rudder. In the bow section of the keel there is extra stiffening in case of collision.

## **10.5 Rudder**

The rudder is constructed with Naca profile, with internal stiffening. The rudder shaft is 40 mm stainless steel with a spline at the top and a removable rudder lever.

## **10.6 Engine bed**

The engine bed is built in a T construction with a CNC cut top plate of 15 mm; at the height of the engine bearers a double plate is fitted in order to prevent transfer of vibration. The bearers run from the fore to the aft bulkhead. Between the top plates there is a CNC cut bedding plate for the thrust bearing.

## **10.7 Bulkheads**

The yacht is fitted with 2 watertight bulkheads at the level of the fore and aft ends of the engine room. The rear bulkhead is provided with a watertight door.

## **10.8 Tanks**

### **10.8.1 Fuel tank**

On the front bulkhead there is a steel fuel tank with a total capacity of 2.250 litres, constructed in 4 mm plate with internal wash bulkheads. The tank is placed free of the bottom of the yacht. Located at the bottom of the engine room are the fill, return and drain of the tank. There is also an inspection opening of 270 mm. The connection for filling and ventilating the tank is situated on top of it.

### 10.8.2 Water tanks

The water tank(s) are situated in the bow peak, with a total capacity of 820 liters, constructed of 3 mm plate, with 1 wash bulkhead. The outlet to the drinking water pump is underneath them. The connection for filling and ventilating is on top. There is also an inspection opening of 270 mm.

### 10.8.3 Waste water tank

A stainless steel waste water tank is located in the bow, with a total capacity of 350 liters, constructed of 3 mm plate, with 1 wash bulkhead; the inlet from the toilets and the ventilation are on top of it, there is also an inspection opening of 270 mm. Underneath it, is the connection to the waste water pump and the deck connection.

## 10.9 Composite parts

The roof (the construction of the composite parts on the 50 MPC-FLY is the same as the roof on the 50 MPC) of the yacht above the glazing is constructed in composite, produced in accordance with the open mould hand lay-up method. Structure of the laminate as follows:

- Gelcoat (0.8 mm)
- Gelcoat (0.8 mm)
- 225 gr / m2 CSM (skin layer)
- 225 gr / m2 CSM (skin layer)
- 450 gr / m2 CSM
- 450 gr / m2 CSM
- 450 gr / m2 CSM
- 10 mm core 55 g / m2 (for the large flat parts)
- 4 mm core 40 g / m2 (for the large circular parts)
- 450 gr / m2 CSM
- 450 gr / m2 CSM

On the inside of the roof is a CNC milled frame construction. Above the cockpit the ceiling is finished with a composite inner part in which recesses are made for glazing. (on the 50 MPC-FLY isn't it possible to fill the ceiling with glazing because of the sunberths above) Construction of this laminate as follows:

- Gelcoat (0.8 mm)
- Gelcoat (0.8 mm)
- 225 gr / m2 CSM (skin layer)
- 225 gr / m2 CSM (skin layer)
- 450 gr / m2 CSM
- 450 gr / m2 CSM
- 450 gr / m2 CSM
- 450 gr / m2 CSM
- 450 gr / m2 CSM
- 450 gr / m2 CSM

In the cockpit floor is a double composite storage with lids and a total capacity of 530 liters to store fenders and ropes.

## 10.10 Bathing platform

There is an integrated bathing platform at the rear of the ship.

### 10.10.1 Optional hydraulic submersible bathing platform

At the bathing platform an additional aluminum platform is mounted with a size of ca. 0.99 x 3.28 meters. Increase in length overall (l.o.a.) and length hull with ca. 0.90 meters. Around the platform are 2 small rubber protective strips mounted.

## **12 Stainless steel**

### **12.1 Materials**

Unless otherwise stated, all the stainless steel is of quality standard 316 and is high gloss polished.

### **12.2 Railing**

There is a boat rail around the yacht with a total height between 740 and 980 mm. The thickness of the upper tube is 40 mm. the thickness of the middle tube is 28 mm and the stanchions are 35 mm. In the middle of the yacht there is an opening in the railing with a lockable sliding tube.

### **12.3 Cleats**

There are 4 cleats on both sides of the gunwales, in cylinder form and attached by bolts.

#### **12.3.1 From option Europe Package**

On bathing platform 2 folding cleats.

### **12.4 Mast (only 50 MPC)**

The mast is on the roof and is constructed out of 40 mm tube with various base plates and connections for antennas etc. The mast can be manually raised and lowered.

#### **Radar arch (only 50 MPC-FLY)**

The radar arch on the roof is constructed out of 40 mm tube with various base plates and connections for antennas etc. The radar arch can be manually raised and lowered.

### **12.5 Doors**

At the rear are 2 stainless steel doors to close the gangway to the bathing platform.

### **12.6 Chain locker**

The stainless steel chain locker is situated underneath the forward deck and can also be used as storage for fenders. Above this there is also the base plate for the anchor winch. This part is not polished and will be finished with a grey paint. The tiltable stainless steel anchor roller is located at the front of the bow.

### **12.7 Engine room ventilation**

On the port and starboard sides near the boarding steps to the gangway there are 2 stainless steel air inlet grills, to enable ventilation of the engine room.

### **12.8 Exhaust**

In the stern above the waterline is the exhaust outlet for the main engine.

### **12.9 Bathing ladder**

There is a stainless steel bathing ladder on the swimming platform with a section that can be unfolded and lowered into the water.

## **12.10 Other**

At the railing entrance port and starboard is located on the gunwales a stainless steel protective strip. A fixed flagpole is fitted on the stern. On the foredeck is a handrail combined with a cupholder. In the back of the cockpit seat are 2 oval supports integrated to support the roof and 2 design cap ends to seal the ends of the tube. Name and homeport. Type plates and logos. Separate flagpole for pennant.

### **Extra for 50 MPC-Fly**

A stainless steel stairway is constructed in the cockpit to reach the fly bridge. On the flybridge around the steering console is a stainless steel cupholder)

#### **12.10.1 From option Europe Package**

In the aft peak is a detachable stainless steel ladder suitable for hanging on the side of the hull. Stainless steel high gloss polished legs for cockpit table.

## **14 Paintwork**

### **14.1 Materials**

The materials used are manufactured by Alexseal and International.

### **14.2 Spraying**

The entire shell will be sprayed to quality level SA2.5, the inside will be lightly sprayed.

### **14.3 Paint system**

The dual component paint system will be applied under controlled conditions in accordance with the specifications of the paint suppliers, Alexseal and International.

### **14.4 Hull part beneath water**

The dual component epoxy paint system from International will be applied, built up as follows:

- Interprimer 820
- Interzone 854
- Interprotect
- Interspeed 340 black half hard antifouling

The minimum thickness of the complete layer is 350 Mu.

### **14.5 Hull part above water and exterior of superstructure**

Materials from International and Alexseal will be applied, built up as follows:

- Interprimer 820
- Dual component epoxy lightweight filler Fairing Compound 202
- Dual component epoxy fine filler Fine Filler 303
- 3 layers of dual component epoxy primer Finish primer 442
- 3 layers of dual component PU topcoat Premium Topcoat 501

The minimum thickness of the complete layer is 250 Mu.

#### **14.5.1 Option metallic hull**

Materials from International and Alexseal will be applied, built up as follows:

- Interprimer 820
- Dual component epoxy lightweight filler Fairing Compound 202
- Dual component epoxy fine filler Fine Filler 303
- 3 layers of dual component epoxy primer Finish primer 442
- 3 layers of dual component PU topcoat Premium Topcoat 501

The minimum thickness of the complete layer is 250 Mu.

## **20 Motor and propulsion**

### **20.1 Motor**

#### **Vetus Deutz 170 hp**

The motor that will be installed is a four stroke Deutz diesel type DET66-125 2600 rpm with electronic fuel control and reverse gear coupling type and reduction of ZF63A / 2.04. Voltage of the motor is 12 V. Control is electronic Vetus.

#### **Option 2 x Yanmar 160 hp**

The motors that will be installed are four stroke Yanmar diesel type 6BY3-160 2800 rpm with electronic fuel control and reverse gear coupling type KMH50A with a reduction of 2.43:1. Voltage of the motor is 12 V. Control is electronic Yanmar.

#### **Option NEF 370 hp**

The motor that will be installed is a four stroke FPT/NEF diesel type N60 ENT M40 3000 rpm with electronic fuel control and reverse gear coupling type ZF280-1A with a reduction of 2.476:1. Voltage of the motor is 12 V.

### **20.2 Propeller shaft installation**

The propeller shaft is Duplex stainless steel and measures 50 mm diam. with a length of  $\pm 2070$  mm. The stern tube is Grp with a length of  $\pm 1275$  mm, fitted with rubber clamp seals. The sealing ring is from Volvo. Thrust bearing type Aquadrive CVB 30-20 between engine and shaft. Propeller diameter 4-blade 30".

#### **Propeller shaft installation NEF370 option**

The propeller shaft is Duplex stainless steel and measures 60 mm diam. with a length of  $\pm 1850$  mm. The stern tube is Grp with a length of  $\pm 1275$  mm, fitted with rubber clamp seals. The sealing ring is from Tides Marine Twin-Sure. Thrust bearing type Aquadrive CVB42-30 between engine and shaft. Propeller diameter 4-blade 30".

#### **20.2.1 From option Sea Package**

Fitted around the propeller shafts are rope cutters.

### **20.3 Exhaust**

In the engine room there is a stainless steel aqualift pot which is led overboard via a pipe to the exhaust outlet.

### **20.4 Cooling**

The motor is indirectly cooled, there is a heat exchanger on top of the motor which is cooled by the exterior water pump on the motor. There is a cold water filter of the type Vetus 330 in the inlet pipe. The cooling water is injected via an aerator into the exhaust.

#### **20.4.1 From option Sea Package**

The cooling water inlets are constructed with a fixed pipework and switchable double cold water filters.

### **20.5 Fuel system**

There is a supply pipe with a stopcock that can be closed on top of the fuel tank, which feeds the fuel to the filter type WS720 on the supply side; from here the main engine sucks the fuel up and feeds surplus fuel back to the tank.

#### **20.5.1 From option Sea Package**

Fitted in the engine room is a fuel polishing system type Smart FPS MX-F with a capacity of 910 liters per hour. Double switchable filters will be fitted type Racor 75900 MAXM instead of single WS720. Fitted on the fuel tank is an analog fuel supply control by means of visible measuring.



## **20.6 Dynamo**

The motor is equipped with the following dynamos: 1 x 12V/95Ah Ah and 1 x 24V/80Ah Ah.

## **20.7 Ventilation**

The engine room is mechanically ventilated by means of 2 fans type Vent 178, which blows air into the engine room; surplus air is led away by natural ventilation.

## **22 Steering system/hydraulics**

### **22.1 Rudder construction**

The rudder rests on a heel construction with a rudder pivot bearing and the rudder tube is a water lubricated Grp tube which is sealed at the top, with bronze bearings with seals. The rudder shaft is duplex and measures 40mm diam. and a length of 1340 mm.

### **22.2 Steering**

A hydraulic cylinder is used for the steering, with a moment of 175 kg with rudder moment of 2 x 45°. The steering is hand operated with 7.5 rotations from port to starboard.

#### **22.2.1 From option Europe Package**

The power steering is powered by a 24V electric power pack pumped into the cylinder. To this the optional autopilot will be connected. The steering is of the hybrid type which is energized by normal operation. From port to starboard are 8,5 rotations. In the event of failure of the powered system the steering will be manually operated creating a so called backup function.

## **24 Acoustic insulation**

### **24.1 Vibration prevention**

The fore, aft, engine room ceilings and composite fender storage are vibration proofed with zincor plates and dual component Vibradamp paste. The area that is covered is 70%.

### **24.2 Insulation**

On the bulwark and the engine room ceiling a layer of Paroc marine Slab 60 will be applied on steel pins covered with a layer of Rockwool marine Slab.

### **24.3 Plating**

An aluminum perforated plate will be placed over the isolation layer on the walls of the engine room. The ceiling of the engine room will be finished with an aluminum Bondall plate. Integrated in the double walled polyester cover of the hatches is a layer Rockwool.

### **24.4 Floors**

A fixed aluminum tread plate floor will be fitted in the aft peak and the engine room.

## **26 Bow thruster**

### **26.1 Bow thruster**

In the bow section there is an electric 24 V bow thruster off Vetus, with a power of 230 kgf, the control element is of the type 1 step and is located by the helm.

### **26.2 Batteries**

In a sealed container in the bow section there are 2 maintenance free VMF 12/225 batteries which power the bow thruster. The main switch is mounted next to the batteries.

### **26.2.1 From option Europe Package**

#### **Stern thruster**

In the stern section there is an electric 24V stern thruster of the make Vetus, with a power of 230 kgf, the control element of the type 1 step and is located by the helm.

#### **Batteries**

In a sealed container in the stern section there are 2 maintenance free VMF 12/225 batteries which power the stern thruster. The main switch is mounted next to the batteries.

## **28 Heating/cooling**

### **28.1 Warm air system**

An Eberspächer warm air heater of the type D5L is installed in the ship with venting to each room within the yacht. The control is next to the helm.

#### **28.1.1 From option Europe Package**

The warm air heating will be replaced by a central heating of the type Kabola HR400 tap. There will be a radiator or convactor in every room, in the shower and toilet stainless steel towel radiators will be placed. The control is next to the helm. The Kabola HR 400 tap also provides for the warm water supply and replaces the boiler.

#### **28.1.2 From option Med Package**

The warm air heating will be replaced by a Cruisair reverse cycle air conditioning system consisting of 3 compressors with a total power of 42.000 Btu and 4 fan coils. The following 3 areas are separately adjustable: saloon, master bedroom, VIP cabin and guest cabin combined.

## **30 Glazing/Hatches**

### **30.1 Glass**

The glass in the steering house is structurally glued insulation glass with a thickness of 8-6-5 mm. The glass is chemically hardened and is clear in colour. The three forward windows are curved, the side windows are flat. The glass in the hull is structurally glued double layered high impact glass with a thickness of 14 mm. In thicknesses 6-2.3-6 mm. The glass is thermally hardened and has a grey colour. These windows are flat.

#### **30.1.1 From option Europe Package**

Sliding windows in the saloon on port and starboard constructed in the same material as installed in the wheelhouse

### **30.2 Ports**

The ports in the deckhouse are of Vetus make, constructed in Lexan with aluminium frames, opening outwards. In the glass of the hull window a Gebo porthole is fitted on both sides.

### **30.3 Hatches**

On top of the roof there are 2 hatches which can be opened; 1 in the front cabin and 1 in the hallway and a fixed part in the middle, these are of the type Vetus and are not to step on. On the roof of the cockpit there is one hatch which is removable in connection with lowering of the mast. In the stern there is a hatch of Vetus made which allows access to the aft peak and is lockable from the outside. In the cockpit bench there is a stainless steel hatch which serves as sea access to the engine room.

## **30.4 Access**

Access to the yacht is gained via 4-pieced glass sliding doors that can be opened fully. The finish is in aluminium with a black coating. (access of the 50 MPC-FLY is gained via a 3-pieced glass sliding door that can be opened fully)

### **30.4.1 From option Europe Package (only for 50 MPC)**

On the roof of the saloon is a Webasto electric sliding roof conducted in sandwich panel, the control is on the dashboard.

## **32 Electrical system**

### **32.1 System**

The 24 V system comprises a complete Omnibus installation for the control of all switchable components. 2 watertight controllers are placed on the dashboard in order to control the various functions. An electric horn is fitted. The 230 V system comprises a Victron 24V/2000W combi inverter/charger and a 16 Ah shore connection with earth leakage switch. The shore power cable has a length of 15 meters and the connector is located on the port side in the stern. The charging current of the 24V alternator is distributed via a 150 Ah diode bridge.

#### **32.1.1 From option Europe Package**

At the helm an energy monitor is placed to monitor the voltagage, amp/hour and charge current. The 230V system consists of a Victron 24V/5000W combi inverter/charger instead of the standard Victron 24V/2000W. Extra charger for the bow and stern thruster batteries 24V/10Ah. Isolation transformer in shore connection.

#### **32.1.2 From option Med Package**

In the engine room is a generator type Onan 11 kW at 1500 rpm. The generator is equipped with a separate fuel filter, water filter, starter battery with charger and exhaust with water separator.

#### **32.1.3 Option Power Pack**

In the engine room is a generator of 8kW. The generator is equipped with a fuel filter, water filter, starter battery and exhaust with water separator. 4-ring ceramic hob, Miele washer/dryer installed in aft peak and Miele combi microwave instead of microwave.

Only in combination with Europe or Sea Package.

### **32.2 Batteries**

The service batteries are located in a sealed container in the bow section and have a capacity of 2 x 250Ah, type AGM. The starter batteries are of the type Optima red top, 2 x. Main switches are mounted next to the batteries.

#### **32.2.1 From option Europe Package**

In a sealed container in the bow section are 12 pieces 2V/490 Ah traction cells instead of 2 x 250 Ah type AGM.

#### **32.2.2 Option stabilization system Rotorswing**

Beneath the yacht 2 electrical powered Rotorswing units type RS140 will be placed, for the power supply a separate inverter type Victron Phoenix 24/230/3000W will be placed connected to the service batteries. Applicable from Europe Package.

## **36 Interior lighting and wall plug sockets**

Model and colour style according to sample box.

### **36.1 VIP room**

- 4 led built-in spotlights
- 2 led bedside reading lamps
- 2 single wall sockets

### **36.2 Guest cabin**

- 4 led built-in spotlights
- 2 led bedside reading lamps
- 2 single wall socket

### **36.3 Master bedroom**

- 2 led built-in spotlights
- 2 led bedside reading lamps
- 3 single wall socket

### **36.4 Showers and bathrooms**

- 2 led built-in spotlights
- 1 led mirror
- 1 single wall socket

### **36.5 Hallway**

- 4 led built-in spotlight

### **36.6 Saloon**

- 10 led built-in spotlight
- 3 single wall sockets
- 1 double wall socket (kitchen)

## **38 Exterior lighting and wall socket**

### **38.1 Navigation lights**

The navigation lights are of the type led, comprising port, starboard, stern, masthead and anchor light. With CE approval.

### **38.2 Lighting in cockpit**

4 led built-in spotlights in the ceiling. 4 led lights build into the steps to the swimming platform. 2 led lights build into the step to the side deck.

#### **38.2.1 From option Europe Package**

In the bow 2 docking lights will be built in.

#### **38.2.2 From option Med Package**

In the hull at the rear and side, eight underwater leds with a clear colour will be built-in.

#### **38.2.3 Wall socket**

1 single wall socket constructed at the bottom of the cockpit table.

## **40 Bilge pumping system**

### **40.1 Bilge pumps**

In the bow section, engine room and aft peak section there are 3 electric bilge pumps with a capacity of 1410 liters/h. These can be switched via a panel to automatic, manual or off.

### **40.2 Back-up system**

In the bow section beneath the floor there are 3 hand bilge pumps with pipes leading to the bow section, engine room and aft peak. These can only be operated manually.

## **42 Sanitary installation**

### **42.1 Materials**

A flexible Hep2o system is used for the drinking water supply piping. PDC and odour proof piping is used to the gray-water system.

### **42.2 Water system**

The water system comprises a drinking water pump of the type Sensor max with a capacity of 17 litres/min. for heating the water a 75 litre boiler is used, which is heated by the motor and/or shore connection.

#### **42.2.1 From option Europe Package**

In the lowest step of the swimming platform a plastic shower with an extensible shower hose and hot/cold water will be placed.

In the engine room is a deck wash pump type Flojet 24V/17 liters per hour, which draws the water from outside and has a connection socket in the chain locker.

#### **42.2.1 From option Sea Package**

In the lowest step of the swimming platform a connection socket with freshwater will be fitted.

### **42.3 Gray water system**

Gray water is discharged to a central unit type prolift mono, which can either pump it overboard or to the waste watertank.

### **42.4 Shower unit**

In the shower unit there is a thermostatic mixer tap and sliding pole set of the type Plieger.

### **42.5 Toilet area**

In the toilet area there is a wash basin of the type Scale with mixer tap. The following accessories are fitted: toilet roll holder, towel hanger and toilet brush.

### **42.6 Bathroom owners cabin**

In the shower unit there is a thermostatic mixer tap and sliding pole of the type Plieger. Between the shower unit and the toilet area there is a 2-piece glass shower enclosure. In the toilet area there is a washbasin of the type Scale with mixer tap. The following accessories are fitted: toilet roll holder, towel hanger and toilet brush.

### **42.7 Kitchen**

In the kitchen there is a square built-in sink with mixer tap.

#### **Wetbar (only 50 MPC-FLY)**

On the flybridge is a wetbar with a cold and warm water supply and a basin which can be closed.

## **44 Wastewater system**

### **44.1 Materials**

PVC and odour proof piping is used for the piping system for black water.

### **44.2 System**

The outlet from the toilets goes via a 2-way switching tap to the waste water tank or directly overboard. The waste water tank can be emptied via the suction connection point on the deck or by means of the built-in pump which pumps out the tank underwater. Ventilation takes place via an odour filter in the chain locker.

### **44.3 Toilets**

The 2 toilets are of the type electric with built-in cutter pump and control switch near the toilet.

## **46 Cooking, cooling, washing**

### **46.1 Cooking**

In the kitchen there is an electric hob with 2 burners.

#### **46.1.1 From option Europe Package**

In the kitchen a built-in microwave of the type Miele will be placed.

#### **46.1.2 From option Med Package**

In the kitchen a ceramic hob with 4 burners will be placed instead of an electrical hob with 2 burners. A stainless steel combi microwave of the type Miele will be placed instead of the microwave of the type Miele.

### **46.2 Cooling**

A 230V built-in fridge of the type Zanussi 23020 SV is fitted in the kitchen, with a capacity of 120 litres.

### **46.3 Washing**

#### **46.3.1 From option Med Package**

A washer/dryer combination of the type Miele will be placed in the aft peak.

## **48 Navigation installation**

### **48.1 Tank readings**

The fuel, water and waste water tank levels are measured by an NMEA 2000 sensor and the values can be read on a NMEA compatible display.

#### **48.2.1 From option Europe Package**

Raymarine; 2 x I70 instrument for the benefit of speed/depth/rudder and a display type C125 with external antenna and gold chart.

#### **48.2.2 From option Sea Package**

Raymarine; 1 x I70 instrument for the benefit of speed/depth/rudder and 2 displays of type C125 with external antenna and gold chart. Autopilot type ACU300 with P70 control unit. 4 kW Radome on the mast. VHF type Ray 260. Ais 650 transponder.

#### **48.2.3 Option Camera pack**

Camera placed in the mast, looking back. 2 cameras alongside the hull, looking forward. Cameras are connected to C125 display. Only from Europe Package.

#### **48.2.4 Option additional VHF**

VHF type Ray 260 as a second VHF installed on the helm, with its own backup battery. Only from Europe Package.

## **50 Multimedia**

### **50.1 Radio**

#### **50.1.1 From option Europe Package**

In the saloon underneath the cockpit chair a Fusion 700 AM/FM/DVD with Bluetooth module serving streaming music and 2 x 4" speakers in the saloon.

### **50.2 Television**

#### **50.2.1 From option Europe Package**

In the saloon a Samsung led television 24" will be placed on an elevator system. On the mast a digital antenna will be placed. This will also be used to transmit the radio signal.

#### **50.2.2 Option Entertainment Pack**

Raymarine STV37 automatic satellite receiver placed in the mast. TV placed in alcove in front bulkhead of the master bedroom. Adjustable speaker zones in master bedroom and cockpit. Radio remote in master bedroom.

## **54 Windscreen wipers**

### **54.1 Wiper system**

Three window wipers are fitted to the forward windows, with a stainless steel parallel arm and a wiper blade. Control via the panel is on or intermittent.

#### **54.1.1 From option Sea Package**

The wiper motors are replaced by the type Heavy-Duty and the front windows will be provided with windshield washers.

## **56 Exterior fittings**

### **56.1 Cathode protection**

8 anodes type 25 and 2 anodes type 15V aluminium are fitted beneath the waterline.

#### **56.1.1 From Sea Package option:**

The aluminum anodes are replaced by zinc anodes.

### **56.2 Rubbing strip**

A black plastic rubbing strip of 120 mm is fitted around the entire yacht. From approximately 1/3 from the rear, a black plastic rubbing strip of 120 mm is fitted around the swimming platform.

### **56.3 Ventilation**

Ventilation occurs as follows: in each cabin, an opening porthole, total 8 items. 2 opening hatches and 2 permanently attached ventilation caps of the type Ecs.

#### **56.3.1 From option Europe Package**

Sliding roof in the saloon and two sliding windows in the side windows.

## **58 Anchor installation**

### **58.1 Winch**

An anchor winch with a chain diameter of 10 mm is situated on the foredeck underneath the hatch. In front of the winch is the stainless steel chain stopper.

#### **Option Europe Package**

On the foredeck beneath the hatch there is a electric anchor winch of the type RC10 instead of the anchor winch, with voltage of 24V and a chain diameter of 10 mm. It is operated by 2 footswitches on the deck and an on/off switch on the dashboard.

### **58.2 Chain**

The anchor chain is 30 m long and has a diameter of 10 mm, and is of the type Din766, galvanised.

#### **58.2.1 From option Med Package**

The anchor chain is 50 m long and has a diameter 10 mm and is of the type DIN766. Galvanised extended by 50 meters anchor line instead of 30 meters of chain.

### **58.3 Anchor**

The anchor is of the type Bruce stainless steel 30 kg, connected with a swivel shackle.

### **58.4 Gangway**

#### **58.4.1 From option Med Package**

In the middle step of the stern on portside there is an extendable gangway of the type Bezenzoni P1481 with a extendable length of 1.70 meter measured from the rear of the swimming platform. At the option hydraulic submersible swimming platform the extendable length measured from the rear is 0.95 meter.



## **60 Safety equipment**

### **60.1 Engine room extinguisher**

In the engine room there is an automatic fire extinguisher installation in accordance with CE-A.

### **60.2 Other rooms**

In the kitchen there is a fire blanket, in the saloon and master bedroom there is a 2 kg powder extinguisher located in accordance with CE-A requirements.

#### **60.2.1 Option Safety Pack**

6-person life raft, EPIRB + GPS, 6 inflatable lifejackets, handheld VHF, lifebuoy + line, first aid kit and emergency signals.

## **70 Interior**

### **70.1 Materials**

For the entire interior, floor plates and wooden floor are manufactured in multiplex of varying thicknesses. The horizontal flat surfaces of seats and beds are also made of this material. The floors are mounted on floating strips. For all cupboards and stowage areas, an 18 mm hdf with double sided white hpl is used. These cupboards are covered with a Volkern hdf black, with a surface veneer chosen from the sample box. Main bulkheads and doors are lined in Volkern hdf black, with a surface veneer chosen from the sample box. In the places where no veneer is used, fabric panels are used chosen from the sample box. The walls of the bathrooms are covered with hpl and the striping is tiled with a mosaic chosen from the sample box. The floors of the bathrooms are fitted with a polyester seal which is finished according the sample box. The inside of the hull and the roof are insulated with 40 mm rock wool insulation, with a damp resistant aluminium layer. The locks and hinges are made of chrome high gloss, door handles of the large doors are fitted with a leather grip. The finish of the floors according the sample box.

#### **70.1.1 From option Europe Package**

The inside of the hull will be insulated by foam instead of rock wool.

### **70.2 VIP bedroom**

The VIP bedroom is equipped with a Queen-size bed. 2 cupboards including 1 hanging cupboard with mirror door en 1 shelved cupboard. Under the bed there is a cupboard with 2 doors. The floor and steps are carpeted according the sample box. The room is closed off with a revolving door.

### **70.3 Guest cabin**

The guest cabin is equipped with fixed bunk beds mounted against the side. And a hanging/shelved cupboard. The floor is carpeted according the sample box. The room is closed off with a revolving door.

#### **70.3.1 From option Europe Package**

The guest cabin becomes a multifunctional area through a bunk bed with folding mechanism and integrated desktop, extra cupboard space against the hull and a hocker instead of the fixed bunk beds.

### **70.4 Guest bathroom**

The bathroom is equipped with a cupboard against the hull over the entire width.

### **70.5 Day toilet**

The day toilet is equipped with a build in cupboard and a cabinet with sink. Integrated mirror with backlight.

## **70.6 Master bedroom**

The master bedroom is equipped with a diagonally placed Queen-size bed. Under the bed there is a cupboard with 2 doors. A walk-in closet equipped with transparent revolving door, a cabinet with dressing table, hocker and an open alcove with below 3 cabinet equipped with flaps. The floor and steps are carpeted according the sample box. The room is closed off with a revolving door.

### **70.6.1 Option master bedroom split up in 2 separate cabins**

On port side against the hull a double bed will be placed. 2 cupboards. The room is closed off with a sliding door. On starboard side a double bed will be placed against the hull with above a single bunk bed. 1 cupboard. The room is closed off with a revolving door.

## **70.7 Owners bathroom**

The owners bathroom is integrated in the master bedroom and equipped with 1 built-in cupboard and a cabinet with sink.

Located on the front is the shower which can be closed off with a glass wall and door. Integrated mirror with backlight. The room is closed off with a revolving door.

## **70.8 Saloon**

The saloon equipped with a large refrigerator on starboard side, besides that a low buffet cabinet and connecting an U-shaped sofa.

On the port side 2 kitchen units and behind a cabinet with integrated TV. Followed by the 2-seat luxury cockpit bench with tilting mechanism. In the front is the helm which is coated according the sample box.

## **70.9 Kitchen**

The kitchen consist of 2 units, both fitted with formica top. The doors and fronts are fitted with high gloss white Parapan. The sink cabinet is fitted with a waste separation system. 2 cupboards are fitted with draws, 2 cupboards are fitted with revolving doors.

### **70.9.1 From option Europe Package**

The counter tops are fitted with a LG-Hi-Macs top instead of formica.

## **70.10 Cockpit**

### **70.10.1 From option Europe Package**

The cockpit floor is fitted with synthetic teak in the colour Stone.

The cockpit is fitted with a large table with stainless steel high gloss legs.

### **70.10.2 Option teak on deck and swimming platform**

Deck, swimming platform and steps are fitted with synthetic teak in the colour Stone.

## **72 Fabrics**

### **72.1 Materials**

The materials used are in accordance with the sample box.

### **72.2 Cushions**

The saloon seat is provided with cushions in accordance with the sample box.

### **72.3 Exterior cushions**

Cushions are placed on the benches in the open cockpit in accordance with the sample box.

#### **72.3.1 From option Europe Package**

On the foredeck 4 planar cushions and 2 cushions with easy comfort folding system will be placed. Dimensions adapted for storage in aft peak.

### **72.4 Curtains**

All windows and portholes are fitted with curtains in accordance with the sample box.

#### **72.4.1 From option Europe Package**

The hatches in the roof on the front will be fitted with skyscreens with a combination of blackout and screen.

### **72.5 Floor covering**

All floors are provided with floor covering in accordance with the sample box.

### **72.6 Mattresses**

The mattresses for all the beds are made of a cold foam material.

#### **72.6.1 From option Europe Package**

The mattresses in the master bedroom and VIP room are fitted with bed frames.

## **74 Delivery**

### **74.1 Owner's manual**

An owner's manual is supplied with the yacht, and a box with all handbooks for the built-in apparatus.

### **74.2 Ship's name**

The name and home port is placed on the stern hatch in stainless steel letters according to the design 50MPC.

### **74.3 Fuel**

The fuel tank is filled with 400 L of diesel to permit starting up and sea trials.

### **74.4 Tenting and sail work**

The side parts of the cockpit are delivered with closable tent in the colour Oyster.

#### **74.4.1 From option Europe Package**

The side part of the cockpit are delivered with 9 separate zippable parts with windows.

#### **74.4.2 From option Med Package**

A separate cover for the cockpit cushions will be included.

### **74.5 Inventory**

The inventory that is delivered with the ship comprises:

- boathook
- brush
- bucket
- flag and cord
- 6 fenders 90 \* 30 cm
- 4 lines 60 mm 15 meter
- toolbox

#### **74.5.1 From option Sea Package**

A cupboard with plastic boxes will be built-in in the aft peak and a Snap-on toolbox will be mounted.

### **74.6 Type plates**

The type 50MPC by Jetten and the Jetten logo are fixed on the sides of the superstructure in high polished stainless steel letters. The CIN-number is applied to the starboard side of the stern. The CE type is located next to the helm.

## **90 Guarantee**

We give a two-year guarantee on the entire yacht. In the case of commercial use the guarantee period is one year, the terms of supply of the NJI apply.

### **90.1 Stipulations**

Lifesaving equipment is to be supplied by the owner, depending on the version this needs to be suitable for the number of people + 3 additional daytime guests.