Build specification
Jetten 41 AC



Jetten Yachting BV
Hendrik Bulthuisweg 23
8606 KB Sneek
Phone +31(0)515 56 00 66
Email info@jettenyachting.nl
Website www.jettenyachting.nl

IBAN NL81RABO0127456015
BIC RABONL2U
Chamber of commerce 01077413
BTW-nr./Mw.St.Nr./VAT.No. NL812732546B01
EORI-nr. NL812732546

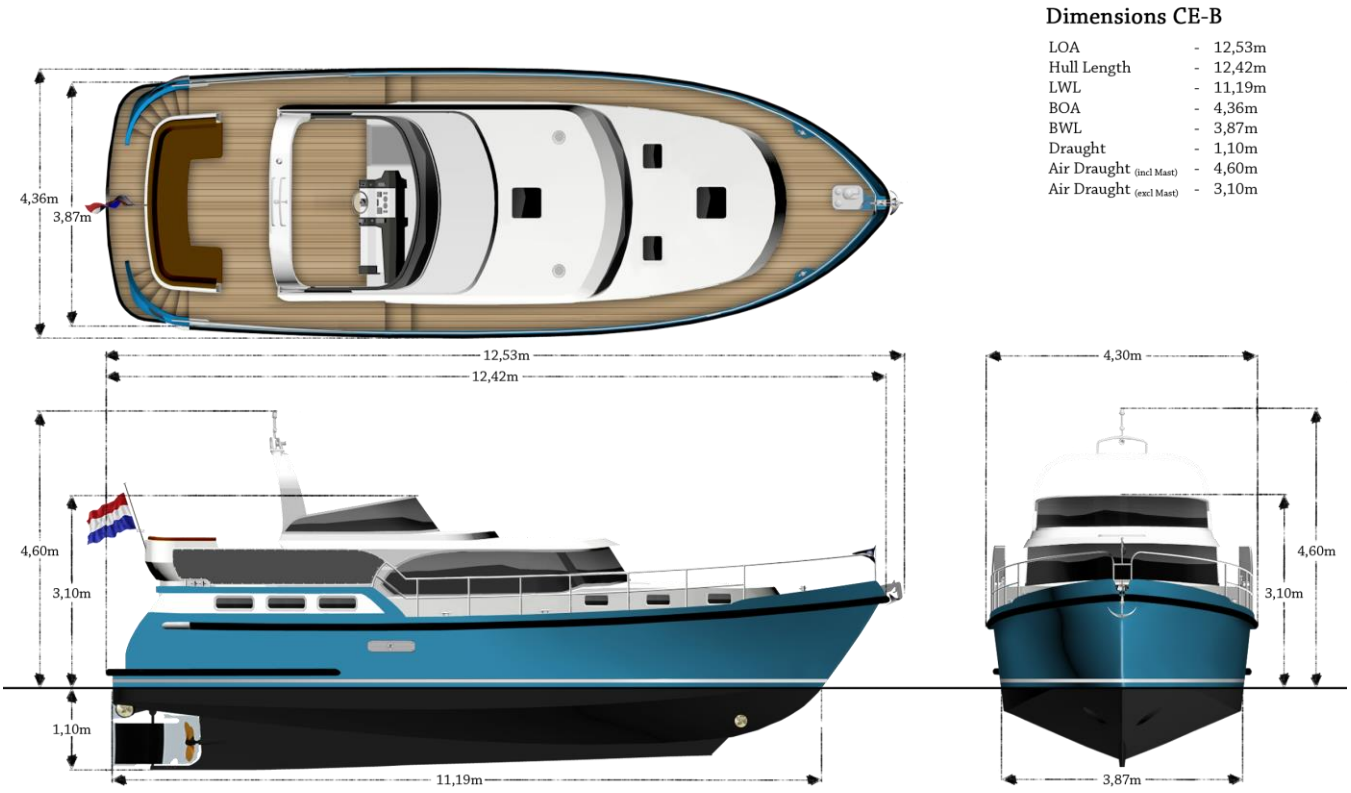
A Description of Yacht

A1 General

The yacht is a single engine displacement motor yacht. The construction is a steel hull with steel superstructure.

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 810 litres of fuel + 50% of 620 litres of water + 50% of 120 litres of waste water).

Description	Metres	Tolerance
Length overall (l.o.a.)	12,53	1%
Hull length*	12,42	1%
Length at waterline (L.W.l.)	11,19	1%
Overall breadth (Bmax)	4,36	1%
Breadth at waterline (Bwl)	3,87	1%
Draught**	1,1	5%
Air draught**	4,6	5%
Air draught with mast lowered**	3,1	5%
Standing height in saloon	2,01	1%
Standing height in master bedroom	1,93	1%
Standing height in guest cabin 1	1,93	1%
Standing height in guest cabin 2	0	1%
Dimensions of master bedroom (gross)	3,09 x 3,58	1%
Dimensions of saloon (gross)	4,1 x 3,17	1%
Content of fuel tank	810 litre	5%
Content of water tank	620 litre	5%
Content of waste water tank	120 litre	5%
Displacement***	16.600 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:

Description of room:	Beds:	Dimensions:	Capacity:
Master bedroom	Queen-size bed	2,02 x 1,4	2 Persons
Guest cabin 1 *	Queen-size bed	2,02 x 1,66	2 Persons
Guest cabin 2 *	Double bed	0 x 0	2 Persons
Guest cabin 3 *	Bunk beds	0 x 0	2 Persons

*Is present on the layout and/or ordered.

A6 Hull shape

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

A7 Propulsion

The yacht is propelled by a single engine with a power of 84 KW to 125 KW. Equipped with propeller shaft.

A8 Class/approval

The yacht is constructed to the standards of CE - class B. 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 37, the plates are pre-sprayed and untreated. The hull thickness is 6mm, the sides of the superstructure 4 mm, the thickness of the keel is 8 mm.

10.3 Construction

The construction is a so-called lateral/longitudinal frame construction comprising precut steel frames with a thickness of 8 mm, and distance between frames of 450 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 40mm stainless steel with a spline at the top and a removable rudder lever.

10.6 Engine bed

The engine bed is built in a box construction with a CNC cut top plate of 10 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.

10.8 Tanks

10.8.1 Fuel tank

In the engine room there is a steel fuel tank with a total capacity of 810 liters, constructed in 4 mm plate with internal wash bulkheads. 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 620 liters, with 1 wash bulkhead. The outlet to the drinking water pump is underneath them. The connection for filling and ventilating is on top.

10.8.3 Waste water tank

A stainless steel waste water tank is located above the engine room, with a total capacity of 120 liters, with 1 wash bulkhead; the inlet from the toilets and the ventilation are on top of it, and underneath it is the connection to the waste water pump and the deck connection.

10.9 Composite parts (only in AC models)

The helm and radar arch of the yacht are constructed in composite, produced in accordance with the open mould hand lay-up method.

10.10 Swimming platform

There is an integrated swimming platform at the rear of the ship. The stern has a stern door that can be locked (only in the case of Sedan and Cabrio models).

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. The thickness of the upper tube is 35 mm. the thickness of the middle tube is 25 mm and the stanchions are 30 mm. In the middle of the yacht there is an opening in the railing with a lockable sliding tube. There is a hand rail on the roof of the saloon.

12.3 Bollards/Cleats

There are 8 bollards and 4 cleats on both sides of the gunwales, in cylinder form and attached by bolts.

12.4 Mast (only for Sedan models)

The mast is on the roof and is equipped with various base plates and connections for antennas etc. The mast can be manually raised and lowered.

12.6 Chain locker

The stainless steel chain locker is situated underneath the forward deck. Above this there is also the base plate for the anchor winch. This part is polished. 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 in the hull gangway there are 2 stainless steel air inlet grills with logo, to enable ventilation of the engine room.

12.8 Exhaust

In the hull on the port side above the waterline is the exhaust outlet for the main engine; this is unpolished and is painted with the hull.

12.9 Swimming ladder

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

12.10 Other

A flagpole and holder are fitted on the stern.
2 design cap ends to seal the ends of the tubes.
Logo on the side of the superstructure.
Separate flagpole for pennant.
The cover plate above the stern thruster is unpolished.

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
- Gangways and decks in antislip coating.

The minimum thickness of the complete layer is 250 Mu.

14.6 Interior of the hull

On the inside of the hull and engine room a dual component light grey topcoat will be applied.

20 Motor and propulsion

20.1 Motor

The motor that will be installed is a four stroke Deutz diesel with a power of 84 kw and reverse gear coupling type ZF45A / 2.03. Voltage of the motor is 12 V. Control is mechanical, via cables.

20.2 Propeller shaft installation

The propeller shaft is Duplex stainless steel and measures 40 mm diam.
The stern tube is Grp, fitted with rubber clamp seals. The sealing ring is from Volvo. Thrust bearing type Aquadrive CVB 21-10 between engine and shaft. Propeller diameter 4-blade 22".

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.

20.5 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 on the supply side; from here the main engine sucks the fuel up and feeds surplus fuel back to the tank.

20.6 Dynamo

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

20.7 Ventilation

The engine room is mechanically ventilated by means of 1 fan 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.

22.2 Steering

A hydraulic cylinder is used for the steering, with a moment of 111 kg with rudder moment of 2 x 45°. The steering head is hand operated and is equipped with a luxury steering wheel with 7.5 rotations from port to starboard.

24 Acoustic insulation

24.1 Vibration prevention

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

24.2 Insulation

A 40 mm layer of Fermocell will be applied to the bulwark and the engine room ceiling.

24.4 Floors (only for Sedan models)

A fixed aluminium tread plate floor will be fitted in the aft peak.

26 Bow thruster

26.1 Bow thruster

In the bow section there is an electric 24 V bow thruster of the make Vetus, with a power of 125 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 VMF12/22 batteries which power the bow thruster. The main switch is mounted next to the batteries. Battery charger 10Ah.

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.

30 Glazing/Hatches

30.1 Glass

The glass in the steering house is structurally glued insulation glass with a thickness of 6-6-4 mm. The glass is chemically hardened and is clear in colour. The three forward windows are curved, the side windows are flat. The AC models have a fixed windscreen of the same material.

30.2 Ports

The ports in the deckhouse are of Gebo make, constructed in Lexan with aluminium frames, opening inwards. The portholes, which can be opened, are fitted with insect screens.

30.3 Hatches

On top of the roof there are «Industry_Group_Vluchtluik_ roef_aant» (escape) hatches which can be opened; these are of Gebo make. On the roof of the saloon there is one hatch. In the cockpit bench seat there is a stainless steel floor hatch (only in the case of Sedan models); there is an escape hatch in the stern (only in the case of AC models).

30.4 Access

Access to the yacht is gained via glass sliding doors that can be opened fully. The finish is in aluminium with a black coating (only for Sedan models).

Access to the yacht is gained via a Lexan door and sliding hatch (only for AC and Cabrio models).

32 Electrical system

32.1 System

The 24 V system comprises a complete Omnibus installation for the control of all switchable components. 1 watertight controller is placed on the dashboard in order to control the various functions. An electric horn is fitted.
The 230 V system comprises a 24V/2000W combi and a 16 Ah shore connection with earth leakage switch. 12 V and USB connections at the helm.

32.2 Batteries

The service batteries are located in a sealed container and have a capacity of 2 x 250Ah, type AGM. The starter batteries are of the type Optima red top, 1 x. Main switches are mounted next to the batteries.

36 Interior lighting and wall plug sockets

Model and colour style according to choice of style.

36.1 Master bedroom

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

36.2 Guest cabins

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

36.3 Bathrooms

- 2 led built in spotlights
- 1 single wall socket (not in the shower)

36.4 Hallway

- 1 led built in spotlight

36.5 Saloon

- 6 led built in spotlight
- 2 single wall sockets
- 1 double wall socket (kitchen)

38 Exterior lighting

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 on deck

4 led built-in spotlights in the ceiling (Sedan) or 2 built-in spotlights in the radar arch (AC/Cabrio).

40 Bilge pumping system

40.1 Bilge pumps

In the bow section, engine room and aft peak section there are electric bilge pumps with a total capacity of 2700 litres/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 three 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 grey-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 50 litre boiler is used, which is heated by the motor and/or shore connection.

42.4 Shower unit

In the shower unit there is a thermostatic mixer tap and sliding pole set of the type Plieger. Shower water is drained via a pump.

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.

42.7 Kitchen

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

44 Wastewater system

44.1 Materials

PVC and odour proof piping is used for the piping system for blackwater.

44.2 System

The outlet from the toilets goes via a two-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.

44.3 Toilets

The toilet is of the type electric.

46 Cooking, cooling, washing

46.1 Cooking

In the kitchen there is a built in gas hob with 3 burners.

46.2 Cooling

A compressor built-in fridge is fitted in the kitchen, with a capacity of 110 litres.

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 an NMEA compatible display.

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 which have an on or intermittent function.

56 Exterior fittings

56.1 Cathode protection

6 aluminum anodes are fitted beneath the waterline.

56.2 Rubbing strip

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

56.3 Ventilation

Ventilation occurs as follows: in each cabin, an opening porthole, total 12 items.
1 opening hatches and 2 permanently attached ventilation caps of the type Ecs.

58 Anchor installation

58.1 Winch

An anchor winch with a chain diameter of 8 mm is situated on the foredeck.

58.2 Chain

The anchor chain is 30 m long and has a diameter of 8 mm, and is of the type Din766, galvanised.

58.3 Anchor

The anchor is of the type Bruce stainless steel 20 kg, connected with a swivel shackle.

60 Safety equipment

60.1 Engine room extinguisher

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

60.2 Other rooms

In the kitchen there is a fire blanket, in the saloon and master bedroom there are 2 kg powder extinguishers in accordance with CE requirements.

70 Interior

70.1 Materials

For the entire interior, floor plates and wooden floors are manufactured in multiplex, of varying thicknesses. The horizontal flat surfaces of seats and beds are also made of this material. 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, with a surface veneer. Main bulkheads and doors are lined in Volkern hdf, with a surface veneer. In the places where no veneer is used, fabric panels are used. The walls of the bathrooms are covered with hpl. The floors of the bathrooms are fitted with a polyester floor. The inside of the hull and the roof are insulated with 40 mm stonewool insulation, with a damp resistant aluminium layer.

70.2 Master bedroom

The master bedroom is equipped with a Queen-size bed. Under the bed there is a cupboard with drawers. Cupboards on both sides. The floor and stair treads/steps are carpeted. The room is closed off with a revolving door.

70.3 Guest cabins

The guest cabins are equipped with built in beds. And a hanging/shelved cupboard. The floor is carpeted. The room is closed off with a revolving door.

70.4 Bathrooms

The bathrooms are equipped with furnishing units against the hull.

70.5 Saloon/Kitchen

The saloon is fitted with an L-shaped seat. A free standing table and a wall cupboard.
The kitchen work surfaces are covered in Formica.
1 cupboard is fitted with drawers, the rest with rotating doors.

72 Fabrics

72.1 Materials

The materials used are in accordance with the collection.

72.2 Cushions

The saloon seat is provided with cushions in accordance with the collection.

72.3 Exterior cushions (only for Sedan and Cabrio)

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

72.4 Curtains

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

72.5 Floor covering

All floors are provided with floor covering in accordance with the collection.

72.6 Mattresses

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

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 is placed on the hull, and the home port is placed on the stern.

74.3 Fuel

The fuel tank is filled with 200 L of diesel to permit starting up and sea trials.

74.4 Tenting and sail work

The Cabrio boat cover is supplied in sections that can be zipped apart, colour according to collection.

74.5 Inventory

The inventory that is delivered with the ship comprises:

- boathook
- brush
- bucket
- flag and cord
- 4 geusv fenders
- 4 lines 10 metres
- gas bottle
- set of tools

74.6 Type plates

The Jetten logo is fixed on the sides of the superstructure in high polished stainless steel. 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

Life saving 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.