NAJAD 505 CC

TECHNICAL SPECIFICATION

DESIGN: NAJAD AB AND JUDEL/VROLIJK & Co

DIMENSIONS AND DATA	
Length overall	15,30 m
Length waterline	14,08 m
Beam	4,59 m
Draught	2,45 m
Displacement	18,9 ton
Ballast	6,2 ton
Mast height above waterline	22,9 m

HULL AND DECK MATERIALS	
Vacuum infused/hand laid sandwich construction	
Hull material	E-Glass Vinylester
Deck	E-Glass Vinylester/polyester
Core material	Divinycell
Hull color	White
Waterlines color	Grey
Hull trim line	Grey

ENGINE	
Yanmar	Yanmar 4JH110
Power	110 HP 81 kW
Shaftdrive	3-bladed fixed prop

TANKS	
All tanks are manufactured in acid resistant stainless steel	
Water capacity	~ 800 L
Hot water boiler capacity	~ 40 L
Fuel capacity	~800 L

SAIL AREAS	
Cruising	125 m²
Full battened main	70,5 m²
Working jib 106%	54,5 m²
*Furling Genoa (135%)	77 m²
*Cutter jib	52 m²
*Gennaker	180 m²

* Options

NAJAD 505 STANDARD SPECIfICATION- PRICE LIST

ALL PRICES IN SEK , EX. VAT, EX. WORKS HENÅN

Valid from 2016-08-26. Replaces all prevous price lists

Najad 505 Standard
Including Antifouling, Rigging, Launching and Commissioning

RIG AND SAILS

RIG

- Seldén rig
- Keel stepped mast with fractional 19/20 rig and three pairs of spreaders
- Mast and boom in silver anodized aluminium profile
- Standing rigging of stainless steel wire
- Chain plates of stainless steel, bolted to transverse bulkheads that are laminated on both sides to the hull
- Headsail Furlex, through deck system, with reefing line on port side, led through blocks on stanchions, to line jammer at aft part of the toe rail and via a block to the cockpit, for easy handling
- Internal main and jib halyards of stainless steel wire, spliced to halyard line and led, under deck, to cockpit jammers and halyard winch
- Boom lines includes topping lift, internal outhaul and two reefing lines. Reef lines are manoeuvred by a reef line winch mounted in the cockpit. Boom vang with gas damper and purchase line system
- Mast equipment includes deck light, on front of the mast, steaming light and anchor lights, aluminium rigging screw protection, windex and flag halyards
- LED Navigation lights

In-mast Furlin, electric and one electric Andersen 46 STE winch for outhaul/main sheet. Furling mainsail with battens

Electric Furlex, controlled from cockpit
Hydraulic boom vang and aft stay, manouvered from cockpit

Light under boom in cockpit

SAILS

- 'Najad Original' sails are made in high quality cloth, triradial cut from UK-Sailmakers
- The fully battened mainsail is fitted with Seldén MDS sliding car system, sail number, battens, two reef points, telltales, beige sail cover and sail bag
- The furling working jib with battens is delivered with tell tales and sail bag

Furling main sail upgrade to X-Drive Carbon, double grey Taffeta
Furling working jib upgrade to X-Drive Carbon, double grey Taffeta
Code 0 including Selden CX Furler and Halyard

DECK

WINCHES

- Andersen winches, full stainless, self-tailing
- 2 x Genoa winches 68 ST FS
- 2 x Main sail winches 46 ST FS
- 2 x Halyard winches 46 ST FS
- 3 x Lockable winch handles

2 x Electrical Genua winch 68 STE Vario Upgrade

SAILING GEAR

- Genoa sheet track systems with ball bearing cars, manoeuvred by trim lines, led to 2 x line clutches located just outside the cockpit for easy access
- Main sheet track system, mounted aft of the cockpit, including ball bearing car and adjustable sheeting point, all manoeuvred from cockpit. Sheets and trim lines run through 4 x Spinlock line clutches

MOORING EQUIPMENT

- 4 x Mooring cleats, stainless steel, through bolted

- 4 x Spring cleats, stainless steel, through bolted
- 6 x 18 m mooring lines
- 6 x fenders

Stainless steel protection at all cleats, gangways and companionway
Sanguinetti, retractable mooring winch on fore deck

ANCHOR SYSTEM

- Electric windlass (1500W), located under the deck, with removable hand control.
- Delta type anchor 32 kg
- 60 m, 10 mm chain and swivel between anchor and chain
- The bow fitting is designed with "NAJAD" logo and fitting for optional gennaker

Upgrade to 40 kg anchor instead of standard
Upgrade to 80 m, 12 mm anchor chain instead of standard
Upgrade windlass to 2000 W

SKYLIGHTS, PORTLIGHTS, WINDOWS & VENTILATION

- 4 x Skylights, flush mounted
- 6 x Portlights in coach roof, open able in forward heads and forward cabin
- 6 x Portlights in the hull
- 1 x Portlights in cockpit/galley, open able
- 6 x Deck ventilators, low type
- 1 x Fixed Windscreen made of Hammer glass, mounted in an aluminium frame with 2 x integrated stainless steel grab rails, facing the deck
- Ventilation louvers in the companionway hatch

1 x Additional skylight (fw of the mast, in fw cabin)

TEAK

- Solid teak on deck, coach roof, swim platform and in cockpit area
- Teak deck of 12 mm thickness glued and screwed
- Teak capping fitted with stainless steel rail on the outside for best possible protection

DECK STORAGE

- There are two large stowage lockers on the aft deck including water proof hatches
- A sail locker is located on forward deck including water proof hatch
- A very large stowage area is located at the transom, with two doors, including a separate drained box for gas bottle
- In the drained anchor locker a large shelf is installed on top of the anchor chain to provide stowage

MISCELLANEOUS DECK EQUIPMENT

- Stainless steel pullpit and pushpits
- Lifelines including gateways on both sides. Stanchions are mounted in through bolted solid fittings on the capping below the toe rail
- Folding bathing and safety ladder fitted to the integral swimming platform for easy access in and out of the water
- Deck fillers for water, fuel and for evacuation of the holding tanks are easy accessible on deck
- 4 x Internal deck drains to avoid smears to hull sides
- Internationally approved LED- navigation lights on pulpit and pushpit
- Ensign staff (flag pole)
- Boat hook

Shower at swim platform
Pushpit teak fitting for outboard
Stainless steel pushpit with integrated teak seats

Life raft 6 pers., incl. deck or pushpit fitting

Carbon fibre gangway

Manual outboard crane mounted on pushpit

COCKPIT

- There is a spacious cockpit with a large chart table, wooden grab fidles, behind the windscreen. In this area there is also space for additional instrumentation
- The solid sliding entrance hatch is made of unvarnished teak as well as the wash board which is conveniently stored inside the sliding hatch
- Seats and upper cockpit coamings are covered with seamed solid teak
- There is a large high-gloss varnished cockpit table with drop-down leafs on each side to enable easy passageway during sailing. There is stowage inside the table and 4 x integrated cup holders. The table base also include a foot support
- There are plenty of stowage, for regular daily use in the cockpit, including a large locker to starboard, flush pockets recessed into the coamings on both sides and 2x dedicated lockers for halyards and sailing lines just outside the cockpit
- Stylish steering pedestal made of a stainless steel foot and a glass fibre head, with space for engine control and additional instruments. 1 x Grab rail mounted on pedestal
- The stainless steel, hide covered, steering wheel can be locked by an adjustable friction brake
- The sprayhood provides a completely protected area at the forward end of the cockpit and with the optional extension, the entire cockpit can be covered. The sprayhood has windows in the front section and is fixed to a stainless steel frame. In order to make a splash proof joint the sprayhood is fitted in a groove, on the top edge of the windscreen frame
- For safety reasons a manual bilge pump is fitted that can be operated from the cockpit with all hatches closed. Cockpit self-bailers and drains from the seats are installed

Bimini with stainless steel frames

Sprayhood extension

Carbon fibre steering wheel

Cover for steering pedestal, table and 6 winches

Cockpit cushions in graphite grey

Sprayhood and bimini in graphite grey

INTERIOR

GENERAL

- The interior is made of a selected, first class quality unstained African mahogany, hand crafted, hand polished and varnished to a satin finish. Dark wood features
- The flooring is made of varnished dark wood with inlaid stripes
- There are inspection hatches for the bilge and transducers
- The headlining is of white covered panels

LAYOUT

- See attached layout drawing for standard (one aft cabin, two foreward cabins) and layout options

SALOON

- In the saloon there is plenty of space for the whole crew to be together for meals and room for enjoying a good social life on board
- The companion way stair has been purposefully left unvarnished and in each curved step we have provided caulked strips for an even safer foot-hold. The stair is mounted on hinges with gas dampers for easy opening. There are leather covered stainless steel hand rails on each side of the stairway
- The large folding table comes equipped with a locker for bottles located under the table
- Leather covered grab rail on the starboard side of the ceiling
- The mast box is covered with cream white material
- There is an opening skylight in the saloon ceiling, portlights in the hull and coach roof
- Ample overhead lights are provided
- Dimmers are fitted for the main ceiling light in the saloon, easy accessible from the entrance

GALLEY

- The galley work top is made of Kerrock® with stainless steel twin sinks and a chopping board, which fits over one of the sinks

- A fully pressurized system for hot and cold fresh water includes a luxury single lever tap
- The cooker is a twin burner gimballed gas cooker with oven and grill. The gas pipes are fixed cupper pipes. A remote controlled shut-off valve between cooker and gas bottle is located in the galley area. A manual gas valve is fitted underneath the stove
- Microwave oven in galley (above the stove).
- A well insulated, (115 L) frontopening fridge with a small freezer.
- There are large additional stowage areas for groceries and other food items
- The cupboards are equipped with fiddles for plates, cups and glasses and there is a cupboard under the cooker for pans and cutlery
- Drawers for cutlery
- Waste basket drawer
- Various lights are situated over the work areas
- Najad crockery set for 6 place settings including plate, side plate, bowl and mug
- Cutlery and glasses including wine glasses, tumblers and beer glasses

Fan above cooker in galley

Freezer/Fridge 40 l instead of dry stowage (water-cooled)

NAVIGATION AREA

- The navigation area is situated on the starboard side and conveniently close to the companionway. Two 12 V and two 230 V outlets
- There is a chart table with drawers and stowage for charts and an adjustable reading light. Space is available for individual instrumentation and modern navigation equipment
- The fold down switchboard is equipped with circuit breakers and semi-automatic fuses and can be prepared for additional circuits. There are 1x 230V and 1x 12V outlets located in this area

AFT CABIN

- A passageway on the port leads to the aft cabin, which includes a wide double berth amidships and sufficient stowage for extended periods at sea
- Seats on each side of the berth
- Spot lights and reading lights positioned for comfortable reading
- The bed base is unvarnished and ventilated with holes to minimise dampness
- Two fixed portholes in the hull and two openable skylights for ventilation
- Heads/shower is located to starboard with entrance from the aft cabin

230 V all cabins (SEK1800 per cabin)

Layout option - Two double berth cabins including:

- A passageway aft leads to the aft cabins, including a wide double berth, cupboards and warderobe
- Spot lights and reading lights positioned for comfortable reading
- The bed base is unvarnished and ventilated with holes to minimise dampness
- Two fixed portholes in the hull and two open able skylights for ventilation
- Heads/shower is located to starboard in passage aft

FORWARD CABIN

- In the forward cabin there is a full width double berth and a wardrobe on the starboard side with spacious cupboards underneath
- There is a large stowage facility underneath the berth
- An opening skylight can be used as an emergency exit or for ventilation purpose
- A heads/shower is located directly to starboard within the area of the forward cabin
- A front cabin with a v-berth berth, wardrobe and cupboards

HEADS / SHOWER

- There are two heads with separate shower. Built with white laminated bulkheads including wash basin, bench surface and shower floor made of Kerock® material. Standard color: Mont Blanc
- The toilets are manually operated
- Electrical drain pumps for the showers

- A mirror is provided in each head
- The hot and cold pressurized fresh water system is operated by a single lever tap at the wash basin and a thermostat controlled shower mixer. The shower area has an electrical waste pump and a curtain

Electric toilet x2

Clothes rack in the shower, detachable

Wasching machine (in forward bathroom)

SOFT FURNISHINGS

- Saloon settee cushions: 130mm foam build of three layers of material, providing a comfortable seat, covered with specially selected fabrics
- Berths: 120 mm thick of two layers foam providing a very comfortable matresses. Covered with neutral mattress fabric in the aft and forward cabin
- Curtains: Specially selected fabrics. Flameproof BS 5852

Skyscreen in the forward cabin (1)

Skyscreen in the forward cabin, optional skylight (1)

Skyscreen in the saloon (1)

Skyscreens in the aft cabin (3)

SKYsol blinds for portlights in the saloon incl. vinyl covered coaming

Additional price chushions ALCANTARA fabric instead of standard

Sleeping mattress x 4 (topper). Fwd and aft doubleberths

HULL, DECK AND RUDDER

HULL

- Vacuum infused hull in sandwich construction including multi-axial E-glass maths, vinylester resin and divinycell core material. The surface layer is gelcoat
- Below the water line the hull is treated with 2x layers of epoxy primer and black antifouling paint. The inside of the hull is top coated
- Hull color is white, with grey water lines and hull trim line
- The hull is reinforced with longitudinal and transverse floor plate construction, which supports the keel fittings, mast, engine frame, tanks and cabin soles
- There are additional longitudinal reinforcements in the hull, stringers, for maximum hull strength
- All main bulkheads and stringers are laminated on both sides to the hull
- Reinforced single laminate (no core) is used in high stress/important areas such floor construction, engine bed and through hull fittings

DECK

- Vacuum infused/hand laid deck and coach roof in sandwich construction including multi-axial maths, vinylester outer skin, divinycell core material and polyester inner skin
- Reinforced single laminate (no core) is used in high stress/important areas such floor construction, engine bed and through hull fittings
- Deck color is white
- Hull and deck are bolted and glued together

KEEL

- The cast iron keel with delta formed lead bulb is bolted on with acid resistant stainless steel bolts

RUDDER AND STEERING

- The rudder is a balanced spade-rudder with self aligning bearings and an acid resistant solid stainless steel rudder post
- The steering system is a rotating torque tubes system
- Emergency steering is operated by a tiller on the rudder post

TECHNICAL SYSTEMS

ENGINE / PROPULSION

- The NAJAD 505 is powered by the YANMAR 4JH110 CR, a compact four cylinder marine diesel producing 81 kW (110 hp), a propeller shaft and a 3-bladed fixed propeller. The engine is designed to work at low revs, putting the emphasis on low noise levels and minimum vibration. High torque across the entire rev range and low emissions are other important characteristics of this engine
- Electronic single lever engine control is mounted on the pedestal head
- Yanmar engine instrument with integrated LCD display for engine hours, cooling water temperature and charging current
- The engine is suspended on four rubber mounts and an Aqua drive is installed for effective vibration damping
- Wet exhaust pipe with swan neck and effective rubber silencer is used
- The engine is located inside a very well sound-proof and insulated engine room with access from a door on port side and from the companionway stairs that lift up and are supported on gas springs. The engine components are easily accessible for servicing
- The fuel is filtered through an in line microbe filter and separate fuel pre filter before entering the engine fuel filter

TANKS, PUMPS & LIQUID SYSTEMS

- All tanks are made of acid resistant stainless steel and are fitted with inspection hatches and level gauges
- The digital water and fuel tank meters are conveniently positioned on the switchboard at the navigation station. The tank monitors are programmed to the shape of each tank and display a digital reading in either litres/gallons or by percentages
- Both holding tanks have a level indicator. These tanks can be evacuatedn ashore via a deck fitting or drained at sea. All hoses connected to the holding tanks are gas tight and mounted with twin hose clamps
- The fuel tank delivers with a suction pipe, installed to the bottom of the tanks, to provide possibility to evacuate dirt and condensation. For this purpose a separate manual evacuation pump is provided. The reinforced fuel hoses have twin clips in stainless steel
- Water heater 40L
- Electrical emergency bilge pump
- Electrical automatic/manual bilge pump
- Manual bilge pump

ELECTRICAL SYSTEM

- The domestic system voltage is 24V, with a total capacity of 450 Ah at 24 volt. The batteries are installed in boxes.
- 1x Separate AGM engine start battery (12V/100Ah)
- 12V equipment runs from domestic battery system via a DC/DC transformer (24V/12V)
- The electric power is supplied by two engine alternators 12V/60A, 24V/110A. And via shore with a Mastervolt charger, 24V/60A
- Shore power system (230V/50Hz) includes, earth fault inerruptor, 25 m shore cable and 7 x 220V outlets inside the boat
- There are two separate main switches for domestic and starting system
- Well dimensioned electrical cables, mostly run in conduits for extra safety
- The electrical system is mainly connected to a Empir bus system which controls the majority of the functions
- At the navigation station following equipment is located: A flush mounted main switch panel with circuit breakers, including fuses of semi-automatic circuit breaker type, code lock for 12V/24V domestic system, DC/AC monitoring system, control panel for the battery charger
- 1x 2.2kg Zink anode
- 1x Grounding plate

Diesel generator 6 kW

Combi charger/inverter, 24V/100A/3500W, with DC monitoring system, displaying current consumption, voltage and remaining battery capacity. Upgrade

Exhaust separator for generator

NAVIGATION / COMMUNICATION SYSTEMS

- 2 x Raymarine i70 Multifunctioninstruments, wind, speed and depth

Compass

Raymarine Autopilot p70

e125 12" HybridTouch with EU chart mounted in cockpit

4KW 24" Digital Colour HD radarantenna mounted on mast

AIS 500 (tranciever)

VHF RAY 260e DSC (placed at navstation)

VHF Ray 260e Second Station Kit (pedestal or sb glove compartment)

Extra VHF speaker for 260e

Mast head combi antenna for VHF, FM/AM

Furuno Navtex NX-300 incl. antenna

2 x loudspeakers in the cockpit

MISCELLANEOUS TECHNICAL SYSTEMS & EQUIPMENT

- 2x Eberspächer heaters (5+4kW) with outlets in all cabins
- 3x Fire extinguishers (powder ABE)
- 1x Gas bottle P6
- Full tank of diesel at handover

Watermaker, Spectra approx. 60l/h

Air Condition system units (forward- and aft cabin)