

Impression 494

PRELIMINARY SPECIFICATION

1. PRELIMINARY SPECIFICATION

STANDARD PRICE 4 cabins, 3 toilets	Volvo Penta 75HP, S-Drive	219.990,00 EUR
--	------------------------------	-----------------------

Seuraavan veneen hinta on 239.500 €,listahinta 270.587 €

CERTIFICATION

ELAN Impression 494 will be delivered with a CE certificate and will meet the requirements of European directive 94/25/CE for recreational crafts. The CE class **A CATEGORY certificate** (Unlimited Ocean Voyages) will be issued by Germanischer Lloyd.

CONSTRUCTION - HULL

Hull is laminated with VAIL – **Vacuum Assisted Infusion Lamination technology**, to considerably improve strength, mechanical and chemical properties of the hull:

- NPG (Neo Penttyle Glycol) gelcoat for optimal chemical resistance against osmosis and mirror finish;
- Vinylester skin cote;
- Isophthalic polyester resin for infusion;
- Sandwich construction using multi-directional fiberglass, low density closed cell PVC core on hull sides and single skin on loaded area;

Preliminary data:

Lh	14,90m
Lwl	13,76m
Bmax	4,68m
DISPL	Approx. 14.000kg

Hull color	White	STD
	Gray	OPT
	Blue	OPT

- White hull – gray graphics
- Gray hull – white graphics
- Blue hull – white graphics

CONSTRUCTION – INNER STRUCTURE & DECK

Powerful inner structure distributes all loads from the keel and rig effectively with a minimum flexing of the hull.

Deck is built with sandwich by hand lamination technology with low density balsa core to assure thermal and sound insulation, molded anti slip surface on deck and coach roof.

CONSTRUCTION – KEEL

Recessed casted iron keel with 2,25m draft is installed as standard equipment - recess for perfect distribution of the loads to the hull and inner structure and perfect water flow around appendages.

Keel	Fe 2,25m	STD
	Fe 1,80m	OPT

CONSTRUCTION – RUDDER

Two rudders with aluminum rudder stocks. Rudder blade epoxy filled.

RIGGING

- Silver anodized aluminum DECK STEPPED mast, fractional, 3 sets of aft swept spreaders;
- Silver anodized aluminum SLR reefing boom (as standard) – 2 reefs;
- Above deck furling system for foresail (as standard);
- Rigid boom vang with gas spring;
- Windex and top mast base;
- Backstay – bridle with turnbuckle adjustment (as standard);
- Continuous stainless steel standing rigging – 1x19 wires only;
- Standard running rigging from mast (Impression quality):
 - Main halyard
 - Genoa halyard
 - Main outhaul
 - 2 reefing lines
 - Topping lift

MAST & BOOM	Single line reefing	STD
	Main furling	OPT – main roll system on mast
	Main furling - EL	OPT – main roll system with electric drive

GENOA FURLER	Above deck	STD – above deck normal furler
	TD	OPT – through deck
	TD - EL	OPT – TD with electric drive

BACKSTAY	Turnbuckles	STD
	Hasselfors	OPT

MAST DECK LIGHT	No	STD
	Yes	OPT

MAST FOLDING STEPS	No	STD
	Yes	OPT – 2 pieces (port & stb)

CUTTER ATTACHMENT	No	STD
	Yes	OPT – behind anchor windlass

WINCHES & OTHER SAILING HARDWARE

self-tacking genoa system will be standard. Optionally 107% overlapping genoa with two side tracks (adjustable from cockpit) is also available. Sheets coming to steering area.

Mainsheet system with two stand up blocks on coachroof, sheet is coming back to steering area. Classic german sheeting available with overlapping genoa system.

GENOA SYSTEM	Self-tacking	STD – one curved genoa track in front on the mast. Trimming system with entry to mast, genoa sheet is coming to port side steering winch. Mainsheet with single sheet, coming from mast to stb side steering winch. ONLY ONE SET OF WINCHES NEEDED AT STEERING!
	Overlapping	OPT – two side genoa tracks (as on I444). Tracks adjustable from cockpit. Mainsheet system is a classic “german” sheeting, where two sheets are going also

		port and stb to steering position. SECOND SET OF WINCHES NEEDED AT STEERING!
--	--	---

Genaker system will be “downwind” option. Attachment for the genaker will be a fixed point on the stem head – installed as standard as part of anchor roller.

Genaker roll rope going on toe rail to stb side aft.

GENAKER SYSTEM	No	STD
	Yes	OPT – including roll genaker system (furler for genaker), halyard, sheets, blocks and stoppers. SECOND SET OF WINCHES NEEDED AT STEERING!

Two winches on the coachroof are standard. They are used for halyards, reefs and vang:

- Main halyard
- Outhaul
- Genoa halyard
- Genaker halyard (option)
- 2 reefs
- Topping lift
- Vang purchase

WINCHES ON COACHROOF	2x 46 STA	STD
	2x 50 STA	OPT – upgrade
	2x 50 STA - EL	OPT – upgrade with electric drives

At steering additional set of winches are in standard spec.

WINCHES AFT - AT STEERING POSITION	2x 50 STA	STD
	2x 60 STA	OPT – upgrade
	2x 60 STA - EL	OPT – upgrade with electric drives

In addition – third set of winches will be offered for genaker or overlapping genoa solutions.

ADDITIONAL WINCHES AT STEERING POSITION	No	STD – in case of selftacker and without genaker
	2x 50 STA	OPT – in case of genaker system OPT – in case of overlapping genoa and german main
	2x 60 STA	
	2x 60 STA - EL	

Clutches and organizers according to the above running rigging and selected sheeting systems.

SAILS, BIMINI, LAZY BAGS & SPRAYHOOD

Sails are not part of standard equipment.

Genoa UV protection, lazy bags, bimini and sprayhood done in selected color of the hull: gray in standard, blue as option.

OTHER DECK EQUIPMENT

Below deck equipment is a part of standard specification:

- GRP toe rail;
- Double anchor roller, with forestay and genaker attachments;
- Anchor winch 1500W (chain & rope drum in standard) with 12mm chain-wheel;
- Foot controls for chain;
- Open bow pulpits and stern pulpits (without seats in standard);

- Stanchions & side passages (port & starboard) on GRP toe rail with 2 stainless steel life-lines;
- 2 compasses on steering pedestal;
- 2 white composite steering wheels Elan 900mm;
- 2 L-shape side cockpit lockers;
- 1 gas bottle storage + 2kg gas bottle;
- Fresh (hot and cold) water shower at transom;
- 2 fixed storages for 2 x 6 person liferaft (with safety net for storage when liferafts not installed);
- 2 fixed helmsman's seats behind steering wheels;
- Grab rails on coachroof and beside companionway;
- Sliding plexi hatch at companionway;
- Side folding plexi entrance hatches with key system;
- Teak imitation on cockpit seats, cockpit floor, transom and cockpit table;
- Jack line attachments on deck;
- Opening hatch in cockpit floor – access to transom box from top;
- Fixed side glasses on coachroof sides with integrated Lewmar Mitre portlight;
- High profile opening hatch for sail/skipper locker;
- 2 flushed hatches for forward cabins;
- 8 recessed side smaller hatches for cabins, galley and heads;
- Central laminated glass windscreen + opening hatch above saloon;
- Two side opening portlights in cockpit seats for aft cabins;
- Removable swimming ladder (installed in transom box);
- Manual rope & purchase lifting system for the platform;

Optional deck equipment:

TRANSOM PLATFORM	Small	STD – flushed with cockpit floor
	Big	OPT – bigger, closing the cockpit up to shearline
TRANSOM LIFTING	Manual	STD
	Electric	OPT – with two electric cylinders
INTEGRATED GANGWAY	No	STD
	Yes	OPT – possible only with small transom platform
COCKPIT TABLE	Standard	STD – simple, without possibility for chartplotter
	Bigger	OPT – bigger, GRP with central chartplotter possibility
SEATS ON PUSHPIPS	No	STD
	Yes	OPT
COCKPIT FRIDGE	No	STD
	Yes	OPT – installed port side in front of pedestal
COCKPIT SINK	No	STD
	Yes	OPT – installed stb side in front of pedestal
COCKPIT FLOORING QUALITY LEVEL	STD	STD – imitation Kebony
	Teak	OPT – instead of imitation real teak planks
FULL TEAK DECK	No	STD
	Yes	OPT – only possible with teak option, sides + cabin
MOORING CLEATS	6x ALU	STD –
	6x FOLDING	OPT – Nomen

COCKPIT SEAT CUSHIONS	No	STD
	Yes	OPT – in the color of the lazy bag

SUN BED CUSHION	No	STD
	Yes	OPT – in the color of the lazy bag

COCKPIT TABLE LIGHT	No	STD
	Yes	OPT – removable 12V light fixed onto the table

REMOTE ANCHOR CONTROLS	No	STD – foot controls
	Yes	OPT – hand held with chain counter

INTERIOR WOOD & STYLING

3 different types of wood available (same goes for floorboards):

- Lighter (oak type - standard)
- Medium (light teak - option)
- Darker (light walnut - option)
- Floorboards without visible screws (suction plugs), under boards soft foam tracks for reduced sounds when walking.
- Ceiling panels and hull liner with wood panels, covered with vinyl lining.

INTERIOR LAYOUT VERSIONS

Since there will be a lot of different layouts available, special system for configuration should be implemented. Instead of different layouts (version 01, 02,....xx) complete layout should be divided into 3 segments:

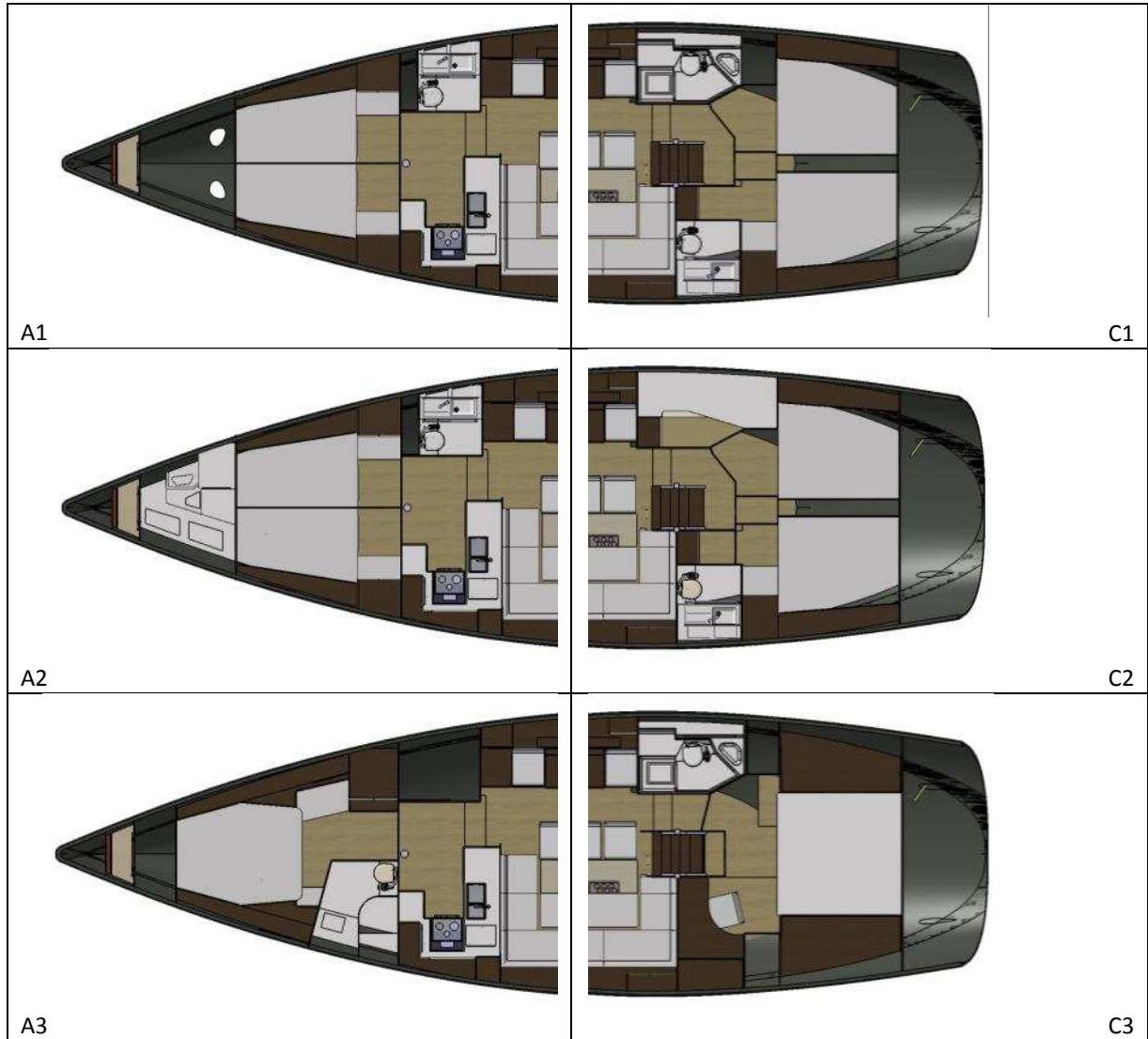
- A - Forward part
- B - Central (saloon & galley) part
- C - Aft part

For each part different layouts are possible. Standard layout is **4 cabin version without skipper cabin**.



Below sketches are showing different possible layouts – most top layout is standard version of layout (4 cabins + 3 heads):

Other possible version of layouts:



A1	Double berth with one head opposite to galley with sail locker in front;
A2	Double berth with one head opposite to galley, but with skipper cabin in front;
A3	Forward owner's cabin, with head inside cabin (integrated shower unit), sail locker in front and completely free space opposite to galley (to take following options: additional cooking appliances or to use the space as a storage room). This option can be sold also as a part of "customization".
C1	Double cabin aft with two heads (port one private head, stb public head with additional shower unit).
C2	3 cabins aft with one head (port head public, instead of stb head additional bunk bed cabin).
C3	Aft owner cabin with central bed, small table and stb head with shower unit.

SAIL LOCKER

Accessible from deck via normal opening deck hatch. Generally empty storage, with top coat finish, 2 smaller shelves and hooks (bars) for hanging different equipment (for example fenders, ropes, mooring lines,..).

SKIPPER CABIN

It is completely done in GRP with just small amount of wood trimming. Integrated manual toilet bowl and fresh water sink.

TWO CABINS FRONT

Symmetrical cabins with one locker, small seat and bed. On hull side shelves. Additional lockers under the bed (front opening). Each cabin has also one big opening hatch above the bed, one smaller hatch above the locker and one fixed hull portlight.

HEAD FORWARD (for two cabins layout)

Head is positioned opposite to galley. The complete space is divided into two partitions – beside main bulkhead a small vertical locker for garbage bin and general cleaning accessories (accessible from galley), and the second partition is a head with manual toilet bowl, sink and locker above and below the top. Head is also a shower unit (drainage bin on the floor).

OWNER CABIN FRONT

King size central berth, with side accesses and additional resting seats. Stb is a locker and port side is reserved for private head with integrated separate shower unit. Shelves and small lockers on hull sides. Two hatches above berth for good ventilation, two small hatches above the stb locker and in head, plus two fixed hull portlights in the cabin hull sides.

GALLEY

The galley offers two different layouts and level of quality:

- Normal size galley (when two cabins are in front);
- Top chef galley with lengthen portion on the main bulkhead size there is no door to second cabin. In addition, with owner's cabin in front completely empty is also a area opposite to galley, where additional extra appliances could be installed (for example: additional king size fridge, dish washer, washing machine etc.).

Galley is U shaped, with 3 burner cooker in standard, front opening Inox fridge + drainage bin in the corner. Ventilation through small hatch above the top lockers + ventilation hood as an option.

These are options available in any version of the galley:

FREEZER	No	STD – just drainage bin
	Yes	OPT – instead of drainage bin installation of top opening freezer box.

MICROWAVE	No	STD
	Yes	OPT – inox style

VENTILATION HOOD	No	STD
	Yes	OPT – inox style

Two galley sizes:

GALLEY SIZE	Standard	STD – smaller U shape (for two cabins forward), without stb side portion (since there is a toilet). Available options: freezer, MW, ventilation hood. AVAILABLE WITH TWO CABINS FORWARD ONLY!
	King size	OPT – king size U shape galley, with stb side portion (there is no toilet opposite in owner version). AVAILABLE WITH OWNER CABIN FORWARD ONLY!

TOP CHEF GALLEY PACK	No	STD
	Yes	OPT – AVAILABLE WITH OWNER CABIN FORWARD ONLY! Top chef pack include: <ul style="list-style-type: none"> • King size U shaped galley; • High end BLUM galley hardware (silent moving, breaks for closing lockers, sliding corner mechanism, cupboard and plate holders, cutlery holders,... • Freezer, ventilation hood and MW; • Coffee machine; • Instead of smaller front opening inox fridge beside galley sinks a dish washer. • On the opposite side of galley therefore larger front opening inox fridge (width 60cm, height minimum 120cm), above additional fixed oven. Beside a small door for the entrance to “utility” room with additional storage shelves and locker and washing machine.

NAVIGATION CORNER

Classic size, with all necessary connections to 12 and 220V.

Options for navigation corner:

- 12 and 220V connections for charging;
- Radio, I-boat, VHF, chartplotters, etc.

RESTING AREA / BAR

Resting area consists of two chairs and a middle top opening bar (for glasses, bottles etc.). Behind the seats is TV space (hidden when not in use – top opening on electric guides). Below the bar a space for optional “ENTERTAINMENT” pack.

Chairs as an option can also be movable (to slide them to saloon table if needed).

TV SYSTEM	No	STD
	Yes	OPT – including LED TV + electric system for lifting

ENTERTAINMENT PACK	No	STD
	Yes	OPT – BOSE system (including Dolby surround system, speakers, woofer and main unit).

MOVABLE SALOON CHAIRS	No	STD
	Yes	OPT – to move them to saloon table if needed

SALOON AREA

Comfortable cushions, pleasant to sit and rest. Saloon table in standard is a single top table with basic pedestal. As option, the bottom pedestal can be switched either to the system for additional berth in saloon, or can be enlarged in order to fit inside also a small wine cooler unit.

Table top in standard is single, as an option can be doubled (unfolded will create a bigger saloon table – suitable when more crew is on board).

SALOON TABLE TOP	Single	STD
	Folding	OPT – to create a bigger saloon table

TABLE PEDESTAL	Standard	STD – simple wooden or inox pedestal
	Additional berth	OPT – in this option lowering legs are supplied, together with a separate cushion to create additional saloon double berth
	Wine cooler	OPT – larger pedestal with glass support and integrated wine cooler underneath

COMPANIONWAY

Since the engine will be installed in the saloon under floorboards, there is no need for completely closed companionway. In order to visually extend the main living area the companionway is done with central inox tube on which wooden steps are installed.

This standard is anyway available for all versions, except the owner aft cabin, where companionway should be closed in order to make a private owner cabin.

STB AFT HEAD & SHOWER / DOUBLE BUNK CABIN

In most of layouts there will be a head, which is generally considered as a “public” head – this means to use it for most of the crew when sailing or spending time on sea. Generally this is also the closest head to companionway.

Regarding the dimensions this head will be similar size as on I444, which is one of more spacious heads in our range. Beside the manual toilet and sink there is also a separate shower unit, which can be closed with folding plexi glass.

As an option, there could be (instead of the head) also a fifth cabin, with double bunk beds. Double bunk bed cabin is generally equipped with two bunk beds, storage under lower berth and additional extra locker.

In both versions there is a huge side window and additional small opening hatch on top of the deck.

TWO AFT CABINS

Berths in aft cabins are symmetrical, with the access to steering in the most aft bulkhead. Shelves on side, with a locker in each cabin. For each cabin there is an opening portlight into the cockpit, and a fixed hull portlight.

Port cabin has an additional private head with a shower as a part of the unit. Head has an opening hatch on the top of the deck for better ventilation.

AFT OWNER CABIN

Due to U shaped cockpit layout we can offer also a serious owner cabin aft. The berth is centered with generous dimension (length 205cm, beam min 160cm). On each side additional reading/resting seats are installed.

Instead of aft port head we will offer a night table with mirror and a chair. The cabin is equipped with enough lockers for the owner to be on board for a longer period (additional storage under the berth).

ENGINE & FUEL

There is only one engine available for this boat - 75HP – including sail drive unit, lever in cockpit and 3-bladed fixed propeller as standard. Optionally folding prop is available (also 3 bladed).
300 liters of fuel in standard.

WATER SYSTEM

In standard boat will offer following equipment:

- 600 liters of fresh water
- 40 liters water heater
- Hot and Cold water in all areas of boat (including shower in cockpit)
- 70 liters waste water tank for stb side aft head (in standard only one waste tank)

As option full waste water tanks are available (for each head or all heads connected to central waste tank);

OTHER SYSTEMS

Below system are all as a part of option list:

BOWTHRUSTER	No	STD
	Yes	OPT – Max Power CT125 (11,5HP) - tunnel
DOCKING SYSTEM	No	STD
	Yes	OPT – including different bowthruster, sternthruster and control system: Bowthruster: Max Power CT80, tunnel (7,1HP) Sternthruster: Max Power CR80, folding (7,1HP)
WATERMAKER	No	STD
	Yes	OPT – SPECTRA 60 liters/h
GENERATOR	No	STD
	Yes	OPT – Paguro 6 kW
HEATING	No	STD
	Yes	OPT – Webasto 2x 3,5kW OPT – Hot water system
AIR CONDITION	No	STD
	Yes	OPT – 35.000 BTU
SOLAR PANELS	No	STD
	Yes	OPT – on the deck (cover for sliding hatch)

ELECTRICITY

12V and 230V systems are in standard spec. Minimum standard service capacity is 280-300Ah, with additional options to increase the capacity.

220V sockets in the cabins are standard. Standard battery charger 50A, 220V shore connection with 30m shore power cable, 2x12V plug on the control panel + 1x12V plug at steering in the cockpit.

Standard equipment:

- Engine batteries: 1x110Ah
- Service batteries: 3x110Ah
- Battery charger: 50A

Optional equipment:

ADDITIONAL BATTERIES	No	STD
	Yes	OPT – 2x 110Ah

BATTERY CHARGER	Yes	STD – 50A
	Yes	OPT – 2x 40A

INVERTER	No	STD
	Yes	OPT – 1600W or 3000W (combi)

Navigation equipment is similar to our current range – chart plotters, displays, etc.

For the chartplotter option we can offer following two options:

CHARTPLOTTER COCKPIT	No	STD
	Yes	OPT – 2x smaller chartplotters beside steering pedestal, therefore cockpit table can be more simplified (standard size).
	Yes	OPT – 1x bigger chartplotter (E120W) in the cockpit table – to be picked together with larger cockpit table.