



Elan Marine d.o.o.



 Impression 514.  
by *elan*



**Impression 514  
is the largest sailing yacht  
Elan yard has ever made.**

Prestigious, modern and luxurious, the new Impression 514 bluewater cruiser sets a new benchmark for yachts in its class. Streamlined and elegant, her captivating style promises blissful cruising and endless enjoyment.

The semi deck saloon opens out into voluminous space, with overhead and side panoramic windows providing welcoming natural light and an excellent view. Spacious L-shaped chef's galley, relaxing U-shaped lounge area to starboard with two arm chairs to port and an abundance of storage throughout. The selection of various interior layouts with up to 5 beautifully appointed cabins and large en-suite bathrooms offer the owner the possibility to custom design.

On deck the vast cockpit area provides excellent comfort, the twin wheel steering system offers both a perfect position for the helmsman and excellent access to the transom. Ergonomically positioned winches are designed for easy handling with minimum crew.

The push of a button opens the garage door which serves as a large swimming platform when fully opened, creating easy access to the water and additional entertainment area. Designated garage space stores a Tender up to 2.60 metres in length. BBQ grill to port and sink with hot and cold water to starboard while a retractable hydraulic gangway eases the access on and off the yacht.

The Impression 514 is a sailing yacht whose illustrious pedigree is a promise for excellence and quality throughout.

The hallmark of the designer Rob Humphreys guarantees performance, stability and hull speed. The latest design and technology combined with years of skilled craftsmanship, quality of the joinery and fine attention to detail are all encompassed in her distinctive style to satisfy the most discerning owner.

Optimised keel, tall keel-stepped rig and clear deck with high quality deck gear all combine to give the owner and crew a rewarding and relaxing sail.

The design and build pedigree is the best testament for any serious bluewater cruiser. Rob Humphreys' masterful configuration of the keel, rudder, rig and hull design produces a perfectly balanced yacht with remarkably high stability and excellent response.

The hull is molded in a one step process using highly advanced technology based on environmentally friendly 3D vacuum-assisted lamination. This advanced technique considerably improves the strength and mechanical properties of the hull laminate by as much as 50%. The hull's powerful inner structure ensures that all loads from the keel and rig are distributed effectively with a minimum flexing of the hull.

All Elan sailing yachts meet the highest Germanischer Lloyd's Type Test Standard with emphasis on both safe and fast sailing.



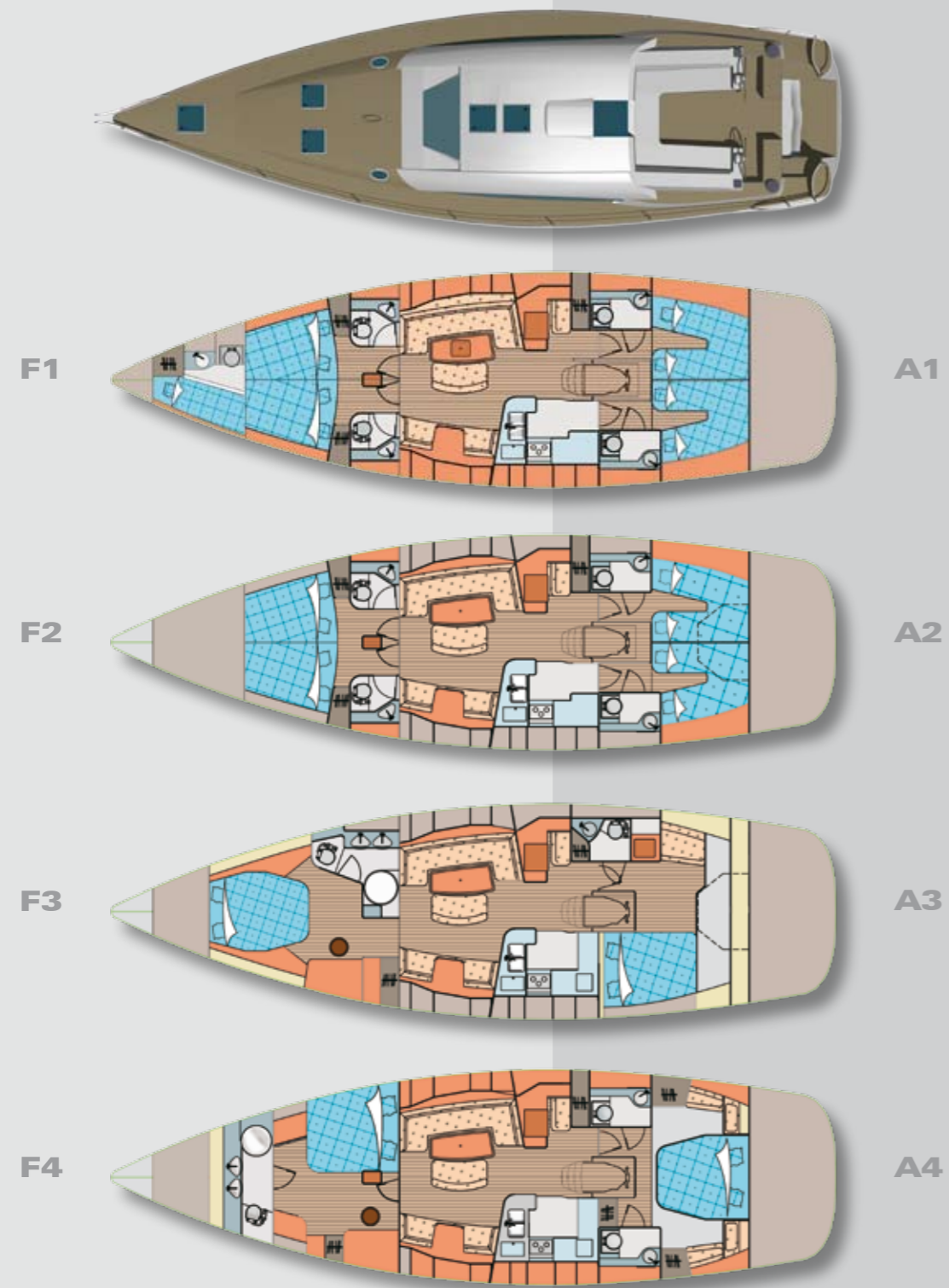








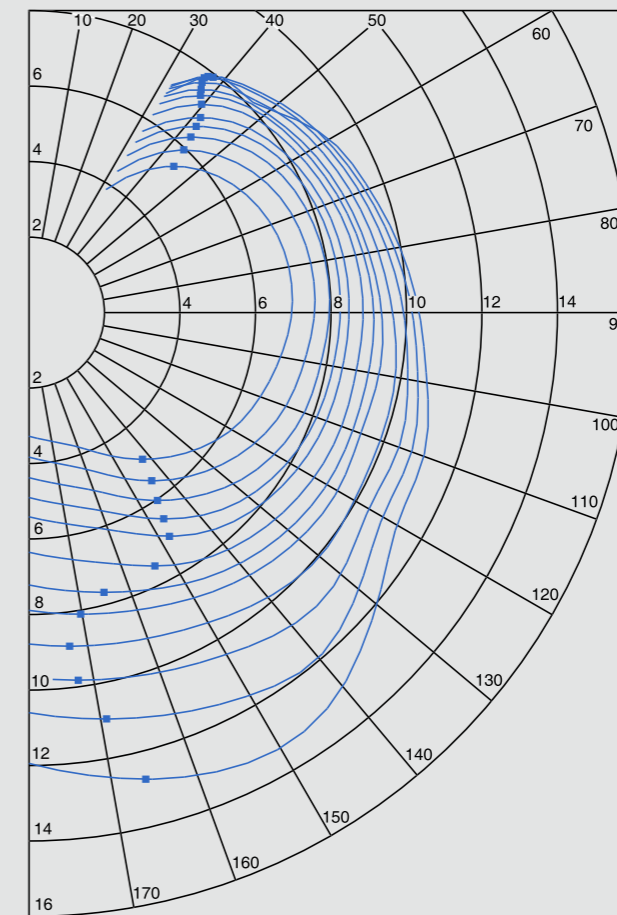
## Interior Layouts



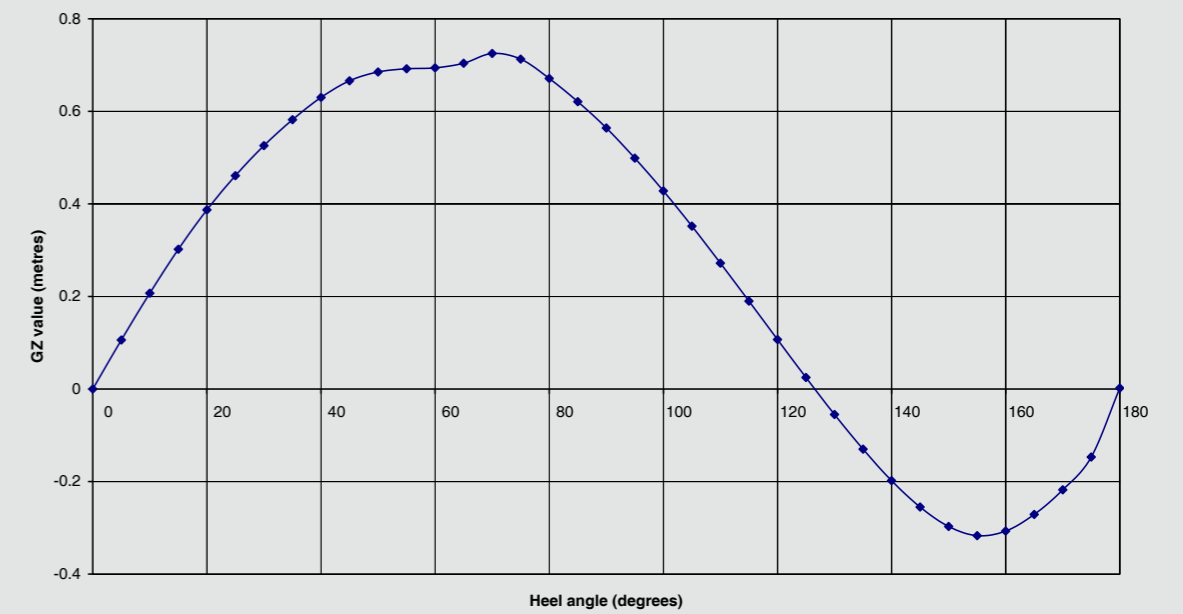
## Performance

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Polar diagram



Stability curve





## Technical specifications



Lenght overall	<b>16,10 m</b>
Hull lenght	<b>15,69 m</b>
Beam	<b>4,68 m</b>
Draft	<b>2,20 m</b>
Displacement	<b>approx. 18000 kg</b>
Engine	<b>75/110 HP</b>
Water capacity	<b>780 l</b>
Fuel capacity	<b>440 l</b>
LWL	<b>13,76 m</b>
Main sail	<b>68,3 m<sup>2</sup></b>
Genoa (135%)	<b>78 m<sup>2</sup></b>
Gennaker	<b>133 m<sup>2</sup></b>
I	<b>19,40 m</b>
J	<b>5,48 m</b>
P	<b>17,98 m</b>
E	<b>6,65 m</b>
Boat design category CE	<b>A</b>
Design	<b>Rob Humphreys</b>

## Preliminary Standard Equipment List

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### Hull & Deck Construction

#### Hull

3D-VAIL infusion technology (inner frame main structural ribs infused in one shot together with hull)  
Full sandwich hull with partly single skin on loaded areas. Multiaxial laminate, vinylester skin coat and isophthalic polyester resin for improved mechanical and chemical properties  
White hull with grey decoration lines  
6 fixed hull portlights (frame in hull colour)

#### Deck

VAIL infusion technology, sandwich construction for thermal and sound isolation  
Moulded non-skid surface on deck and coach roof

### Keel

Standard cast iron keel (Fe)  
Draft 2,20m

### Steering system

Jefa rod steering system  
Roller rudder stock bearing  
Two leather covered steering wheels diameter 900mm

### Deck equipment

#### Harken deck gear:

Two Harken winches B70.2STA  
Main sheet track on coach roof  
Main sheet car with double traveler controls - control lines leads to helmsman stations on port and starboard  
Main sheet leads to helmsman stations on both sides (as german system)  
Genoa tracks with pin stop holes and double cars  
Double deck organizers on both sides (4 x 4 sheave deck organizer)  
Harken blocks for halyards, sheets and control lines

#### Spinlock jammer:

Main sail: halyard, reef1, reef2, outhaul, vang, car port, car stbd, sheet port, sheet stbd  
Genoa: halyard, furling line  
Dinghy garage for 4 person dinghy (2,60m)  
Hydraulic opening transom / swimming platform  
Teak on swimming platform  
Stainless steel swimming ladder  
Hydraulic aft cockpit / transom stairs  
Flush lid in cockpit floor to enter the garage from top with gas lifting shocks  
Teak on cockpit floor and cockpit seats  
Teak cockpit table with top opening fridge, storage box and LED light  
Hot & cold shower on aft deck  
Halyard and sheet storage boxes in front of helmsman stations  
Two helmsman seats

## Preliminary Standard Equipment List

### Deck equipment

Deck cockpit light in boom  
 Engine controls at starboard helmsman station  
 Storage for 2 gas bottles in port aft cockpit locker with gas lifting struts  
 Two side lockers in cockpit with gas lifting struts  
 Two side lockers on transom for storage  
 Guard rail side gates on both sides  
 Double lifelines  
 Integrated S/S hand grab rail in coach roof on both sides  
 S/S grab rail over companion way  
 Deck portlights and hatches (14 pcs) + 2 portlights in cockpit  
 Two Dorade vents on coach roof over saloon  
 Anchor windlass 1500W with foot switches in anchor compartment  
 Stainless steel steamhead with swinging bow roller (integrated gennaker fitting as option)  
 Self-draining anchor locker  
 Foredeck sail storage ( with optional skipper's cabin in forward version1)  
 Teak toe rail  
 6 mooring cleats (2 foredeck, 2 midship, 2 aft)

### Plumbing system / Fresh water

Fresh water capacity 780l  
 Water tanks in saloon below floor boards (4 pcs)  
 Two water fillers on deck  
 40l water heater, running from engine or electricity 230V / 110V  
 Water pressure pump

### Engine

Volvo Penta D2-75 diesel engine  
 S-Drive  
 1 alternator 12V/60A  
 1 alternator 24V /110A  
 3 blade fixed propeller  
 Engine battery 85Ah type AGM  
 Fuel tank 440l  
 Fuel filler on deck  
 Fuel filter / water separator  
 Engine room sound insulated  
 Lighting in engine compartment

## Preliminary Standard Equipment List



### Electricity - BUS system

12V, 24V and 110V / 230V electrical circuits  
 Battery charger Mastervolt  
 Service battery bank: 24V / 320Ah batteries Mastervolt type AGM  
**Electric panel:** Volt and Battery meter  
 Water / Fuel / Waste gauges

### 24V electric equipment:

Electrical anchor windlass  
 Electrical winches (as option)  
 Pumps  
 Navigation lights  
 Interior lights  
 Refrigerator  
 Freezer

**Shore power:** 2 x 110V / 230V shore cable with socket on aft and foredeck

### Outlets 110V / 230V at / in:

Chart table  
 Forward cabin  
 Aft cabin  
 Galley  
 Saloon  
 Heads (inside locker)

**Interior lights:** Overhead lighting in cabins, saloon, galley and heads  
 LED lights below steps on companion way, steps in saloon, aft and foreward cabin  
 Reading lights in saloon and cabins  
 Automatic night light on companion way

**Navigation lights:** Navigation lights on pulpit & pushpit  
 Steaming light  
 Anchor light

### Navigation equipment

1 compass on each helm station  
 Dedicated space for navigation instruments in front of steering wheels and in cockpit table

### Interior (std)

#### Teak interior

#### Aft layout (version1)

Two aft cabins with separate head departments  
 Two separate single berths in each cabin with insert to make double berth  
 Two big lockers in each cabin, one with shelves and one with hanging wardrobe  
 Lateral shelf on side of each cabin  
 Storage under berth

## Preliminary Standard Equipment List

## Preliminary Standard Equipment List



### Interior (std)

#### Forward layout (version3)

- Owner forward cabin
- Owner double bed in the middle of the cabin
- Owner's head department on starboard side with separate shower stall
- Office table with chair on port side
- Two drawers under berth
- Double hanging and shelves locker on port
- Lockers on both sides along the cabin above the bed

#### Plywood varnished floor boards

### Galley

- Headroom 2250mm
- L - shaped galley
- Front opening 24V inox refrigerator (130l)
- S/S 3 ring cooker with oven mounted on gimbals
- Mixer tap
- Double sink
- Lockers and drawers (6 + 5 pcs)
- 1 opening deck hatch above galley
- 1 large deck portlight
- 2 overhead lights
- 2 lights above worktop
- 2 x 220V socket
- Strainer

### Saloon and Lounge

- Headroom 2100mm
- Liftable saloon table
- Comfortable U shape settee around the table
- Two movable chairs around the table
- 2 opening deck hatches
- 2 large side deck portlights
- 1 large panoramic portlight
- 2 hull portlights
- Lockers along the hull on both sides
- 9 overhead lights
- 2 Dorado vents
- Lounge area (port saloon side):** Two fixed armchairs on port side
  - Club table
  - 110V / 230V socket
  - Space for wine bottles
  - Space for glasses

### Navigation Station

- Chart table 1350mm x 650mm
- Reading spotlight
- Lockers and drawers (4 pcs)
- 2 overhead lights
- Laptop space on worktop
- 12V socket
- 110V / 230V socket
- Control panel
- Main switches

### Toilet / Head

- Two black water tanks (separate for aft and forward cabins) with discharge on deck or sea and each with macerator pump
- Electric marine toilets on sea water
- Electric bilge pump for each head with automatic switch
- Shower tap
- S/S grab rail
- Glass top washbasin
- Mirror in hanging locker
- Teak worktop

### Rig & Standing rigging

- Selden silver anodised keel stepped mast
- Fractional rig with 3 sets of spreaders
- Stainless steel standing rigging
- SLR Boom
- Rigid boom vang with gas spring
- Furlex furling system for jib
- Backstay adjuster (mechanical)

### Running Rigging

#### Main Sail: Main halyard

- Reef 1
- Reef 2
- Outhaul
- Vang
- Car line port
- Car line stbd
- Sheet port
- Sheet stbd

#### Genova: Genoa halyard

- Furling line
- Genoa 2 halyard

#### Other: Messengers

- Preparation for cutter stay