

SOLARIS 55



Shipyard	Solaris Yachts
Model	Solaris 55
Year	2021
Flag	UK
Rina	

Lenght	16,70 m
Beam	4,85 m
Draft	3,00 m
Displacement	17 600 kg
Bulb	Lead

Cabins	3
Bathrooms	3
Crew cabin	
Sail locker	Yes
Water tank	520
Fuel tank	380

Engine	Volvo Penta D3
Horsepower	110 hp
Speed	9
Engine hours	1 090
Transmission	
Propeller	Max-Prop 5 blades

Visible in	
PRICE	PRIVATE NEGOTIATION

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ENGINE

- Volvo Penta D3/110 hp engine
- Volvo Penta engine data NMEA interface on plotters
- Engine hours: approximately 850
- Engine - last overhaul date: July 2023
- Cruising speed: 9 knots at approximately 2000 rpm
- Maximum speed: 10 knots at approximately 2800 rpm
- Diesel consumption at cruising speed: approximately 8 litres/hour
- 5-blade adjustable MAX-PROP BOOMERANG propeller
- Additional 4-bladed propeller
- Bow Thruster: Side Power SRV100 44PATC22ALS
- Stern Thruster: preparation of housing tunnel

HYDRAULIC SYSTEM

- Boiler: QUICK BX 30L 1200W – 230v
- Fresh water pump: Marco UP12E 24v
- Watermaker: Schenker Modular 150 Analogue (150L/ra) 24vDC.
- Remote digital control with correspondence panel at chart table
- Main electric bilge pump: Marco UP1-N 35l/minute
- Electric bilge pump in stern and bow lockers: Whale Supersub 24v
- Main manual bilge pump: Whale Henderson MKV
- Shower drain pumps: Marco UP1-N 35L/minute
- The hydraulic system is equipped with shut-off valves dedicated to each individual user for possible closure in the event of routine maintenance or failure
- Additional water outlets:
Second external shower in the bow compartment, hot and cold water
Additional connection in the bow compartment of an additional water intake to allow washing the deck with fresh water even when stopping at anchor
Direct connection with the port water when stopping at the dock, Elissa model

ELECTRIC SYSTEM

- 24v/220v with Mastervolt 24v/2500W inverter
- No. 6 220v sockets in all cabins, dinette and bathrooms
- No. 6 12v USB sockets in all cabins and dinette
- Nr. 1 12v socket at the chart table
- Double Schuko socket under the chart table
- Ave's Allumia light switches with touchscreen technology in natural brushed aluminium, ref. 44PATC22ALS
- Engine starting battery: Moll AGM 81080 12v 80Ah 800°
- Generator starting battery: Moll AGM 81080 12v 80Ah 800°
- Service batteries: entire pack of 8 AGM EXIDE Drysafe AF 12 090 XOS 12v Maintenance Free batteries replaced new in September 2023

- Engine battery charger: Mastervolt Chargemaster 12/15 – 2
- Service battery charger: Mastervolt Chargemaster Plus 24/80 – 2
- Inverter: Mastervolt Mass Sine 24/2500
- Two Mastervolt Alpha 12v and 24v alternators
- ForeSpar Heat Sink Lightning Arrester + MASPGR02 Underhull Ground Plate
- Fischer Panda 8000i 230v 6.4kw
- Automatic generator starting system when the batteries fall below the charge level including: Mastershunt 500 complete with fuse, Mastervolt 5" Easy View Touch Panel, Mastervolt multifunction contact
- Shore power 230v 32A

ENTERTAINMENT

- Fusion APOLLO RA770 stereo system, AM/FM tuner, with I-Pod, I-Phone slot, Android devices, complete with external USB, built-in speakers in the dinette and cockpit
System management also with touchscreen on the B&G multifunction display
Remote management with App Fusion Link via built-in Bluetooth
- Samsung The Frame FHD 32" TV
(when it is turned off there is the possibility of transforming the screen into a painting of your choice, with zero energy consumption)
- TV system with Banten antenna mounted on the masthead and antenna cable with termination in the master bedroom

VIDEO CONTROL SYSTEM

- No. 3 total cameras complete with audio detection and 2TB HD NVR video recorder with I-cloud vision, with direct connection to the internal TV and various mobile devices
- No. 2 4Mp waterproof cameras, Day/Night with 4Mp zoom, installed at the first spreader, one of which is oriented towards the bow and one oriented towards the stern
- No. 1 2Mp micro-camera in the dinette in the correspondence station

HEATING/CONDITIONING

- Water-cooled Veco Climma Compact air conditioning and heating system
All rooms are equipped with dedicated fan coils with MK2 digital control panels
40,000 BTU capacity with inverter operation to reduce electricity consumption
Remote on/off system and diagnostics
- Second heating system to be used while sailing: Webasto with oil burner and convactor heaters in every room, water distribution and electricity supply.
Provision for remote diagnostic management
- PepLINK port repeater with static IP for an advanced remote management solution and continuous connection to the on-board server

TANKS

- Fuel: capacity 380 liters - stainless steel tank
- Water: capacity 520 liters - stainless steel tank
- Black water: capacity 50 liters - nr. 3 tanks with a capacity of 50 liters each, positioned in the 3 bathrooms - stainless steel tanks

SPARE KITS

- Motor
- Generator
- Watermaker
- Spare fuse set

ELECTRONIC NAVIGATION INSTRUMENTS

- B&G H5000 electronic pack consisting of 2 H5000 GFD displays, HYDRA H5000 processor, H5000 autopilot keyboard, H5000 autopilot processor, 24V mechanical rotary actuator, Triton-2 display for analogue wind indication, VHF V60 complete with H60 TRITON- external station 2 on both consoles
- Additional TRITON-2 display for analogue wind indication on the right console
- Two B&G Zeus 3 multifunction displays, 12" touchscreen with integrated GPS on both consoles, including Navionics «Mediterranean Sea» and «Black Sea» NAV+43XG cartography
- ZG100 NK2 B&G GPS antenna with built-in rate compass with 10 Hz Simnet output
- Simrad GoFree Wi-Fi Access Point which allows control of the Zeus series multifunction display via APP installed on a smart phone or other mobile device
- Simrad NAIS-500 class B AIS transponder connected to Zeus-3 series multifunction display complete with Simrad NSPL-500 splitter
- Peplink Br-1 WIFI router, double sim + antennas at the first cross
- Chargemaster Plus 24/80 – 2 Czone Charger Upgrade
- B&G Forward Scanner and Sonar
- Radar reflector O. 3223600

DECK EQUIPMENT

- Legend 1 model Hall Spars carbon boom with electric furling, painted black
- Sparcraft aluminum shaft painted in black with water and condensation collection tank at the foot with its independent emptying pump
- Bamar 2-way hydraulic control unit including 2 hydraulic pistons
- Hydraulic vang
- No. 4 Performa 70 winches, 2 of which are electric

Sails North Sails

- Mainsail
Boom Furling Mainsail 3Di Ocean 700 22 model, 400 Dpi – gray white color
Electric furling of the mainsail
The mainsheet is hidden inside the boom
- Jib
Selftacking Furling Jib w/Battens 3Di Ocean 700 23. 800 Dpi – gray white color
Furlex 400 TDE jib furler

- G - Zero Gennaker
NorLon NY150 model (weight 42 grams - 1.5oz) Orange color
Bamar electric winder with Ubi Maior swivel and anti-twist cable
Full equipment G-Zero 2:1 halyard, Free Tack, blocks and a set of sheets
- Ultra Anchor in stainless steel - weight 45 kg
- Stainless steel chain – length m. 75
- Second control in the cockpit (installed on the console) for the windlass equipped with meter counter
- Lewmar V4 2000W/24V anchor windlass
- Sanguineti 1000W retractable winch, 24V in the bow area for warping
- No. 4 retractable stainless steel bollards
- No. 2 additional retractable stainless steel bollards amidships
- Nr. 2 additional stainless steel stern bollards for positioning sleepers
- No. 2 halyard bags in the cockpit
- No. 2 black fiberglass steering wheels with Y-spokes
- 2 oversized instrumentation consoles (Solaris '68 size) for positioning two plotters with 12" screen complete with stainless steel handholds
- Folding gangway in carbon pre-preg with exposed carbon finish, m. 2.20 with stainless steel terminals, support bar and double joint, with double glass on the deck to decide the positioning side when stopping on the dock
- Rod rigging
- Side openings on both sides of the guardrail made of stainless steel
- Various stainless steel protective plates
- Larger teak cockpit table, with large internal compartments and complete with stainless steel grab rails
- Complete cockpit cushions - 'Steel Sja P053 137' fabric
- Nr. 3 Sunbrella bimini in 'Sunbrella Plus Charcoal Grey' fabric:
- Wheelhouse - Cockpit - Sprayhood housed in a teak-lined compartment flush with the deck and complete with sunshade nets to protect the transparent PVC windows
- Shading cloth secured to the boom made to measure for stops at anchor
- Protective covers for the bimini, the rudders, the consoles, the cockpit table
- No. 3 additional LED lights on the boom for cockpit lighting
- LED deck light
- LED navigation lights

TENDER

- Aermarine Cabrio 245 tender with cushion
- Tohatsu 3.5 hp outboard engine
- Battery-powered inflator for tenders model BST800 battery
- Opening tender garage with electric actuators and console control
- Removable tender hauling roller in the garage compartment
- Integrated ladder for access to the sea and ladder for access to the transom
- The tender compartment has a fiberglass support surface

SAFETY EQUIPMENT (following UK legislation)

- Epirb ACR GlobalFix V4 GPS Cat. 1
- Jonbuoy MK5 white color
- No. 2 Deckvest 6D 170N Pacific Bluecon HRS life jackets
- Nr. 6 self-inflating life jackets with safety belt and crotch strap
- Horseshoe set with st. 30 of floating rope and light buoy in white case
- Syntesy International raft – for 8 people

- Automatic engine compartment fire extinguisher: Seafire FG 125M – FM200
- Fire extinguishers in every cabin

INTERIOR

- Finishing of the internal environments and the flooring in hand-brushed oak
- Internal upholstery for sofas and cushions: Cartex Italia art. Moon col. 01 in viscose linen fabric with stain-resistant Nanotec treatment
Equipment: m2. 6 additional for a possible replacement

- Deckhouse and frames painted in glossy black with glass effect
- LED lighting system
- Indirect lighting system (soft lightning) in the dinette and in the master cabin
- All the electrical sockets on the boat have been positioned in strategic points out of sight
- All hatches are equipped with gas actuators for controlled opening (replacing the standard Up/Down ones)

DINETTE

- Prestige package with cushions for all sofas and seats with increased padding compared to the standard, for greater seating comfort
- Two square poufs for the dining table
- The two bulkheads of the dinette towards the aft cabins are covered in black acrylic glass
- The handrails in the living room are covered in black leather
- Dark nickel-plated Barigo Pentable clock + barometer/thermometer/hygrometer set with black dials

GALLEY

- Kitchen top in Corian Glacier White
- ALPES INOX 3 burner cooker
- 24v cockpit refrigerator – 140 liter capacity
- Second 24V electric refrigerator with 2 drawers, in stainless steel – 90 liter capacity
- Electric freezer with 2 Veco brand stainless steel drawers (positioned in sail locker), with digital control monitor for detecting the temperature in the chart table
- NewForm taps – www.newform.it
- Sliding doors of the pantry compartment behind the burners made in black

OWNER'S CABIN

- Master cabin with bed on the side and bathroom in the bow, including additional hatch in the bathroom
- Nr. 2 fixed windows on the hull in double-layer tempered glass, with internal linings and blinds for darkening
- Upholstered headboard in white leather
- Ceiling frame above the bed painted in glossy black with glass effect
- Prestige package with sofa cushions with increased padding compared to the standard for greater seating comfort in viscose linen fabric Cartex Italia art. Moon col. 01 with stain-resistant Nanotec treatment
- Digital safe

- Prestige mattresses by Victoria Yachting shaped with springs, height cm. 22
- Master bathroom shelf with integrated sink in Glacier White Corian
- Planus 24V electric toilet, fresh water operation
- Planus Touch design panel
- Toilet shower model NewForm Ergo Q series 66482C
- NewForm taps
- Stainless steel waste water tank

AFT CABINS

- Aft cabins: both with double beds
- Prestige mattresses by Victoria Yachting shaped with springs, height cm. 22
- No. 2 additional portholes positioned inside the cockpit
- No. 2 mosquito nets for the 2 additional portholes

Aft cabins bathrooms:

- Sink shelves covered in carbon
- Two 24V Planus electric toilets, fresh water operation
- Two Planus Touch design panels
- Two NewForm WC shower heads, Ergo Q series 66482C
- Stainless steel waste water tanks



SHIPYARD'S DESCRIPTION

Solaris 55 was created to satisfy the most demanding owners who require high-performance navigation even with a small crew.

This model responds perfectly to the expectations of a boat that is easy to navigate even with only one or two people on board.

The shipyard's design studio and the naval architect Javier Soto Acebal worked for fourteen months on fine-tuning down to the smallest details of this project which today represents the point of reference both on an aesthetic and functional level in the 16-metre segment .

Among the main qualities of the Solaris 55 are:

- The high-performance hull with maximum beam at the stern as in modern ocean racers.
- High stability and righting coefficient guaranteed by the hull lines and the lead torpedo keel with cast iron blade with a percentage of overall displacement that exceeds 40%.
- The distribution of manoeuvres, with the winches within easy reach of the helmsman and the self-tacking jib, which guarantee easy and safe navigation even with a small crew and on long journeys.
- The storage spaces are very large with a dedicated raft compartment in the cockpit, lockers dedicated to gas cylinders and equipment, and the large tender garage with a stern hatch that opens and is accessible from above.
- The internal layout allows long stays at anchor without the need for supplies in port, thanks to a kitchen layout with storage and equipment comparable to larger boats.
- All three cabins have their own independent bathroom. In addition to the master cabin, with a bed on the side, the aft cabins are both double beds. At the bow we find a large sail locker with shelves and storage lockers and a freezer with two drawers.
- Safety in all wind and sea conditions is guaranteed by the exclusive Solaris construction technique, where all elements such as bulkheads, chainplates and furnishings are firmly laminated with fiberglass to the hull and deck and not glued with fillers and silicone.

Solaris Yacht is known for being a very high quality shipyard that combines the aesthetics of Italian design with very high navigation efficiency, which unlike other series models on the market are built according to the strict standards of ocean-going maxi yachts.
His goal has always been one: to achieve excellence.

The main feature in the Solaris construction method is the creation of a rigid, solid and above all non-deformable hull, called "monolith".

This particular assembly, an almost unique feature in the world of builders, as it is a very expensive and non-industrializable procedure, gives the boat a peculiar rigidity thanks to which the main bulkhead and the main structures that converge in it behave like a single "structural box" which supports without any deformation the local forces acting on a boat - the loads of the mast, chainplates and keel.

This prevents the boat from deforming and twisting in any sea and wind condition.

In particular, the procedure by which:

- all the structural components are entirely layered and resined to the hull, without any counter mold which is usually glued to the hull with silicone;
- the main bulkhead and the other structural bulkheads, in composite with a minimum thickness of 40 mm (not in wood as they usually are) in addition to being stratified and resined to the hull, they are also and above all to the deck, without any silicone bonding.
- all the elements used are made of fibreglass, a single material with a single mechanical characteristic; allows the creation of an "entirely boxed" structure which ensures total non-deformability of the vessel, in any sea and wind condition.

Even the furniture is resined on the hull, thus making the furnishings also "structural".

Furthermore, the lack of counter molds makes the boat easily inspectable in all its components and vital parts.

The difference with other yards is that the latter usually use 4 or 5 materials that have different mechanical characteristics:

- fiberglass deck
- putty to glue the counter molding of the ceiling to the deck
- silicone to glue the bulkhead to the counter mould
- wooden bulkhead.

Solaris quality does not stop at the structural components but affects the entire boat; the quality of the assemblies and internal finishes are distinctive characteristics of Solaris production, which have always been recognized and appreciated by shipowners all over the world.

The refined selection of fine woods is combined with the expert craftsmanship of the workmanship down to the smallest details.

Craftsmanship is a necessary condition to achieve the excellence that Solaris has always aimed for. The final result translates into unique and unmistakable setups, designed to be both aesthetically beautiful, but at the same time functional, of great quality and efficiency, as well as being very comfortable during navigation.



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