



PROVISIONAL SPECIFICATION – SOUTHERLY 101 “SEALION”



DETAILS

Name	SEALION
Model	Southerly 101
Hull build number	110
Builder	Northshore Yachts
Designer	Dick Carter/Northshore Yachts
Year of build	1996
Price	TBA

DIMENSIONS	L.O.A.:	33ft. 9ins.	10.29m
	L.W.L:	25ft. 0in.	7.62m
	Beam:	10ft. 3ins.	3.12m
WEIGHTS	Draft Keel Up:	2ft. 3ins.	0.69m
	Draft Keel Down:	5ft.10ins.	1.77m
	Displacement:	9,950lbs	4517kg
	Ballast Weight:	2,774lbs	1244kg
	Keel Weight:	1,632lbs	740kg

Construction

The hull and superstructure are heavy duty GRP mouldings, hand laid up to Northshore's Nordseal laminate system with copper gel coat underwater. In the hull woven roving and chopped strand mats are used in combination, with thickness increasing progressively towards the keel area. There is a balsa core in the topsides which stops just above the waterline. The deck is of sandwich type construction using balsa core stiffening, with plywood in high stress areas where fittings are positioned. Bulkheads are glassed in and the entire deck is bonded to the hull, resulting in a strong and integrated unit. A teak rubbing strake is fitted externally. The interior joinery is of teak faced plywood with solid teak trims built onto GRP base modules which are glassed into the hull.

The coach roof, deck and top sides are finished in standard off white gelcoat with blue moulded in boot top lines. The bilges and lockers are painted throughout. Style lines in vinyl are applied to the topside.

Swing Keel

The cast iron grounding plate and keel unit is bolted into a recess in the hull using stainless steel bolts; it acts as transverse stiffening in way of the keel slot and protects the hull when taking the ground. The aerofoil swing keel is cast iron with a stainless-steel pivot fitting into a substantial boss at the forward end of the grounding plate. The keel was removed and fully refurbished by the original casting foundry in 2017. The swing keel is raised by an electrically operated hydraulic ram with manual backup, which is attached to the swing keel by a pulley system. New keel pennants were fitted in 2021. It can be operated from either the cockpit or from the chart area.

Engine

A Yanmar 3GM30 27h.p. 3-cylinder 4 stroke marine fresh water-cooled diesel with reduction/reverse gearbox is fitted. A marine electrical system with 55-amp alternator is supplied with the Yanmar instrument panel fitted in the cockpit. Hot water is heated from the engine via a calorifier tank.

Other fittings include:-

Bronze stern tube with water lubricated stern gland. Bronze three bladed propeller. Stainless-steel fuel tank with a capacity of approx. 30 gallons, with sediment trap, gauge and line filter. Bronze water inlet with strainer. Sound insulation in engine compartment. Single lever engine controls in the cockpit.

Bow Thruster

A Lewmar 3Kw 185TT bow thruster was fitted in 2017 with the control fitted at the cockpit steering pedestal.

Steering Gear

The cockpit wheel is pedestal mounted; a Whitlock torque tube system connects the wheel to the steering arm. Internal steering is by Autopilot joystick control. The rudder is a GRP moulding protected by a shoe to facilitate beaching or sailing in shallow water. The rudder is fitted with an end plate. An emergency tiller is supplied.

Spars

The mast and boom by Kemp are in anodised aluminium alloy, with stainless steel and alloy fittings, and a rod vang. Standard rigging is of 1 x 19 stainless steel wire with swaged end fittings and stainless-steel rigging screws. This was replaced with new in 2017. Furlex headsail reefing system is fitted with Kemp drum Furlin' in-mast mainsail reefing. Running rigging is in terylene rope. The Main and Genoa halyards are controlled from the mast with two Lewmar 8 halyard winches. The mainsail inhaul and outhaul lead aft to the cockpit with the mainsheet on the starboard side and the kicking strap and topping lift on the port side. Appropriate rope clutches and winches are provided.

Sails

The following are supplied:-

Furling mainsail (161 sq. ft) and furling genoa (306 sq. ft) with UV protection strip.

Windows and Hatches

The following are fitted:-

Lewmar hinged acrylic deck hatch forward. Main companion way hatch in GRP on slides with garage incorporating an instrument pod. Ventilators in toilet, quarter berth saloon and galley. Opening port in quarter berth.

All other windows are fixed tinted polycarbonate or acrylic panels except in way of the forward-facing wheelhouse windows which are toughened glass. The hull and wheelhouse windows are recessed into the GRP and have bezels on the inside to help prevent condensation.

Cockpit

The following are fitted:-

Cave locker in coaming. Large cockpit locker to starboard. Lazarette aft. Separate stowage for gas bottles with an overboard drain. 30-inch stainless steel destroyer wheel on pedestal with binnacle compass and single lever engine controls. Humped helmsman's seat. 2 cockpit drains.

Fresh Water

A stainless-steel tank with deck filler of 46 gallons approx. is situated under the port settee. An electric pressure system pumps hot and cold water to galley and washbasins.

Bilge Pump

A manual bilge pump is fitted in the cockpit, piped from the bilge sump to hull discharge. Electric bilge pump fitted to engine room (Replaced with new Jabsco ParMax 4 in 2022)

Electrics

Two heavy duty 12V batteries are fitted with independent isolating switches. One battery can be reserved for engine starting. The batteries are stowed in a purpose made vented box under the cabin sole. Charging is via the engine alternator.

The following are fitted:-

Full accommodation and navigation lights. Combined flood light and steaming light on mast and combined tricolour all round white light at masthead. Battery state meter. Switch panel at chart table with switch circuit breakers to protect systems. Spare breakers are provided for navigational equipment. A sacrificial anode on the hull is connected to engine and stern tube.

Navigation and Electronics

Autohelm ST50+ log, echo sounder and wind instruments in GRP pod over companionway with multi-unit at chart table. Autohelm 6000 autopilot with joystick at the chart table.

Deck Fittings

The following are fitted:-

Genoa sheet tracks with roller fairleads. 2 speed Lewmar 40 ST sheet winches on cockpit coaming. Lewmar 8 winches on coach roof with stoppers. Mainsheet horse and mainsheet rope clutch on coach roof. Sampson post. Fairleads. Fore, aft and mid-ship mooring cleats. Stanchions and double lifelines. Gates in lifelines port and starboard. Stainless steel pulpit and split push pit. Bow roller fairleads incorporating stowage for anchor. Furlex roller furling headsail gear. Stainless steel transom boarding ladder.

General

In addition to the above the following are aboard:-

10 kg. Bruce Patent anchor with 5 fathoms (10 metres) chain and 15 fathoms (30 metres) warp. 2 mooring warps. 3 fenders. Fire extinguisher. Ensign staff and ensign. Boathook. Sprayhood. Gas bottle

Accommodation

The layout is in accordance with general arrangement drawing, with accommodation for 6 people. 2 singles in the fore cabin, large double in the aft quarter berth and a convertible double berth in the dinette area.

Fore Cabin

There are two full sized single overlapping berths with stowage under and access to the chain locker forward. Above is stowage for the table extension and saloon double berth infill. On the port side is a shelf running above the berth. An opening Lewmar hatch gives access to the foredeck and two ports, with teak rails and curtains, are fitted in the hull. There is a folding door between the cabin and the main saloon.

Saloon

An adjustable height table, which converts the dinette to a double berth, is fitted on the port side; the table will extend to starboard to maximise seating. There are lockers under the dinette with a shelf outboard and bottle stowage behind. A

settee/berth is opposite the dinette. The floor covering is teak and holly striped plywood deck with non-slip varnish and carpet under the table.

Galley

Located to port in the wheelhouse, the galley has a stainless-steel sink with drainer which is supplied with hot and cold pressurised water, a gimballed gas cooker with fiddles, two burners, grill and oven, with failsafe on all burners, and an icebox outboard. A cutlery drawer is fitted with crockery stowage and cupboards for utensils and food. The floor is in teak and holly striped plywood deck with non-slip varnish.

Toilet

The toilet compartment is to starboard of the companionway with a marine w.c. There is a shower and washbasin with pressurised hot and cold water.

The following are supplied:-

Stowage lockers, Mirror and glass holder. Shower grating on floor. Separately switched electric shower pump to drain shower tray. An oilskin hanging locker is aft in the toilet compartment.

Navigational Area

Located to starboard in the wheelhouse, the chart table has storage under and a hinged extension piece. There is book stowage and space for electronics. The inside steering is by joystick control linked to an autopilot. The helmsman's seat has a hanging locker below.

Quarter berth

To port and aft of the galley, the quarter berth is a large double with stowage for clothing and other items. A fixed hull port and an opening port to the cockpit with curtains are fitted.

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