

## SWEDEN YACHTS 40

### SPECIFICATIONS

Length overall	12.28 m / 40' 3"
Length waterline	10.57 m / 34' 8"
Beam	3.76 m / 12' 4"
Draught	2.00 m / 6' 7"
Wing keel (optional)	1.75 m / 5' 9"
Displacement	7,800 kg / 17,196 lbs
Ballast	3,050 kg / 6,724 lbs
Mainsail	47 m <sup>2</sup> / 506 ft <sup>2</sup>
Self-tacking jib	34 m <sup>2</sup> / 366 ft <sup>2</sup>

*Designed by Peter Norlin/Sweden Yachts*

# GENERAL CONDITIONS

This specification is a supplement to the arrangement drawings. Details may be changed as a result of experience from building and using the yachts. The standard of quality and completion will be maintained. The owner or his representative will have access to the yacht at all reasonable time during the construction period.

**Insurance:** The builder will maintain insurance on the yacht during the construction until hand-over.

**Tests:** The engine is run for 8-10 hours and all controls are checked. Fuel, sea water, fresh water and gas systems are tested for proper function. The electrical installations are checked. The water-tightness of the hull and deck and all fittings are checked.

**Trim:** The builder reserves the right to add internal ballast for trimming purposes.

**Certification:** The yacht is built to CE Boat Category "A-Ocean".

**Warranty:** the yacht and the equipment have one (1) year limited warranty against poor workmanship and material failure.

## CONSTRUCTION

**Hull:** End grain balsa core sandwich using fibreglass mat and roving on both sides, gives a light, rigid and well insulated hull. Balsa core is used from toe rail to below water line. Solid laminate is used in high stress areas around keel, mast foot and in the joint between the hull-halves. Bottom reinforcements are longitudinal and transversal solid laminate design.

**Deck:** End grain balsa core sandwich with moulded fibreglass on both sides. Stress areas where winches and major deck fittings are fixed, are reinforced by replacing the balsa core with plywood, or by using backing plates or large diameter washers depending on type of fitting.

**Hull/deck joining:** The hull and deck is bonded together using polyester filler. The toe rail is then bolted through deck and hull flange, using a special sealing material.

**Ballast:** Ballast keel is lead casting with antimony. Cast- in keel bolts are stainless steel. Lifting lug is fastened to the keel bolts.

**Rudder:** The balanced spade rudder is moulded in fibreglass, using roving and mat, for maximum strength. The rudder stock is of stainless steel with two roller-bearings.

**Motor bed:** Volvo Penta original fibreglass bed, moulded integrally with the bottom reinforcement and filled with heavy ballast for maximum stability.

**Mast step:** A galvanized steel mast step is bolted to the bottom reinforcements.

**Chain plates:** Sweden Yachts designed and specially developed steel beam system, allowing heavy loads to be taken by bulkheads, without the need for additional internal reinforcements.

**Teak-Deck:** Teak deck is laid from 9 mm first class teak ribs bonded to the deck with polyurethane. Expansion joints sealed with special silicone. Teak in the cockpit.

**Interior joinery:** Marine grade waterproof core, faced with selected mahogany, is used in all bulkheads and major joinery. Specially selected solid mahogany in frames and doors. Marine grade lauvan in bottoms, shelves, etc, where not visible. All main bulkheads bonded to hull and deck, using fibreglass and polyester. All main visible hullsides covered by mahogany planking ribs.

Ceiling, top-sides and minor visible hull sides with foam backed vinyl. Hull sides, bottom, bilge, etc, top coated throughout the interior. Cabin sole teak with inlaid light wood stripes. All mahogany is varnished **with oil varnish** in satin finish. Cabin sole teak is varnished.

## ACCOMMODATION DESCRIPTION

**Forward heads compartment:** Moulded bottom section drained by electric pump and moulded upper section. Stainless steel wash basin. Toilet with waste tank. Lockers above toilet and wash basin.

**Forward cabin:** Queen size double berth to port side with cabinets along hull side. Drawer and cabinet under berth. Seat with cabinets along hull side on SB side between hanging lockers forward and aft.

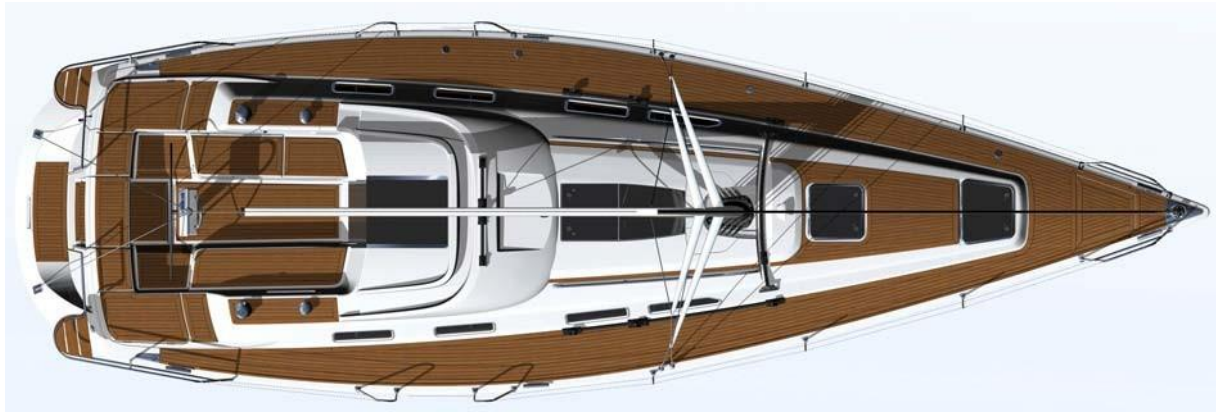
**Main cabin:** Dinette arrangement with table on port side. SB side has table between main bulkhead and nav station with bookshelf, TV- and stereo space above.

**Galley:** U-shaped galley with Corian counter top, 75 l (19,8 US-Gallon) icebox in GRP with Plexiglas dividers, drained to a separate sump. 65 l (17,5 US-Gallon) fridge cabinet is optional. Drawer section, cutting board, dry food locker. Gas stove with two burners and oven. Double overhead cupboards. Waste basket and storage below sink. Water supply, see under "Fresh water system."

**Aft heads compartment:** Moulded compartment fitted between bulkheads. Two lockers with mirrored doors above wash-basin unit. Fitted mirror in forward sections. Recess for toilet with fold-away extra seat. Corean shower grating. Shower drained by electric pump. Towel hangers. Door to main cabin.

**Navigation area:** Large navigation table with stowage. Wooden, openable instrument panel for electronic equipment on hinges for easy service access. Electrical master panel included. Separate chart stowage in table. Navigation seat.

**Aft cabin:** Large double bed, aft of hanging locker with seat. Cabinet above bed along hull side. Door to main cabin.



#### DECK EQUIPMENT

**Windows:** 4 fixed + 4 openable aluminium framed windows in cabin trunk, 1 openable aluminium framed windows in cockpit. Total of 9 windows.

**Hatches:** Large hatch to forward cabin, main cabin, and forward toilet. Plexiglas companionway sliding hatch, and washboard.

**Ventilation:** 3 Dorade ventilators. Engine air outlet into cockpit. The batteries are of sealed type.

**Winches:** 2 Andersen stainless steel no. 40ST 2-speed winches with 2x6 rope clutches for halyards and trim functions.

2 Andersen stainless steel no. 46ST main sheet and jib sheet winches. 3 10" handles with lock. Lead blocks, cleats, etc.

**General Hardware:** Teak toe rail bolted to deck/hull. 4 + 2 midship mooring bollards, 8 stanchion bases and

tapered stainless steel stanchions, open pulpit (scandinavian type) and walkthrough pushpit in stainless steel, double lifelines, navigation lights, aluminium genoa tracks Bilge pump. Single anchor roller integrated in bow platform. Main sheet mid boom attachment fitting on coach roof. Self-tacking track for self-tacking jib.

**Sprayhood:** Large sprayhood with stainless steel tubes stored in recess in front of companion way.

**Steering:** Pedestal steering with wheel, brake and stainless-steel link arm. 48" stainless steel wheel with elk hide.

**Compass:** Suunto/Riviera or equivalent.

**General:** Bolts, nuts, washers and screws used for fastening deck equipment are of stainless steel. Sealing used between deck and equipment is polyurethane, silicone or specially developed material.



#### INTERIOR EQUIPMENT

**Fresh water system:** Water capacity 300 litres in 2 stainless steel tanks with level meters installed under dinette sofa salon and under the berth in forward cabin. Filler lines from deck. Tanks ventilated. Hand holes for cleaning. Pressure water, hot and cold. 2 hand basins and foot pump in pantry, separate shower in forward head compartment, shower on stern platform. Filling and distribution hoses in reinforced polyethylene. Double sinks and wash basin drained through hull with ball valve seacocks. Hot water from 30 litres calorifier heated by

engine cooling water.

**Gas installation:** 2x 6 lbs bottle installed in separate drained compartment in cockpit with space for extra gas bottle. Copper tubing, reduction valve for low pressure system, and shutoff valve. Two burner gas stove with oven installed with Sweden Yachts own fixed position/gimballed position device.

**Electrical installation:** Switchboard and control panel in navigator's area., 2 main circuit breakers. Circuit breakers with automatic fuses and indicator lamps for all

individual circuits. 10 ceiling spotlights, 4 bed reading lights, 4 locker lights, 3 slim light, 2 screened salon lights, 2 aft locker lamps. Batteries 2\*12v-200 Amp. giving 200 Ah at 24v plus 12V- 85 Amp for engine start. **General hardware:** All hanging lockers equipped with aluminium tube with hooks. Doors with marine locks. Locker doors have snap locks and are hinged with chromed brass hinges.

**Toilet installation:** 2 x hand operated marine toilets with sea intake and outlet through ball valves. Waste holding tanks are standard.

**Showers:** Shower basins are drained by electric drainage pumps operated by manual switch in shower compartments.

**Cushions:** Cushions in high quality foam with first class upholstery. Special curtains and blinds in white.

**Cabin Heater:** Eberspächer diesel heater 4 kW with air outlets in all cabins including both heads and the wet locker.

**Bilge pumps:** One manual bilge pump operated from the cockpit and one electrical with automatic and manual switch.

**General:** Bolts, nuts, washer and screws are of stainless steel as standard. Through bottom fittings and other piping fittings are brass. Double hose clamps on all through hull points. Hoses are of reinforced flexible PVC polyethylene.

#### ENGINE INSTALLATION

**Engine:** Volvo Penta D2-40, 4 cylinder, 40 HP with 2-bladed folding propeller. Freshwater cooling. 3-bladed folding propeller optional.

**Controls:** Volvo Penta single controller and instrument panel in cockpit.

**Fuel:** 200 L diesel tank in stainless steel with level meter and handhole, filled and ventilated from transom.

**Exhaust system:** Water cooled exhaust system in reinforced rubber hose through silencer and appropriate fitting.

**Alternator:** One 115Amp/12V alternator charging the starting battery and 70 Amp/24 V charging the house batteries.

**Engine housing:** Easily removable engine housing with interior joinery finish, well insulated with pvc covered foam insulation to prevent oil spillage to impinge foam.

#### MAST AND RIGGING

**Main mast:** Seldén silver anodized aluminium alloy oval section. Double swept back spreaders in aluminium. All halyards are internal. Appropriate blocks and exits for halyards. Sound insulated. Windex.

**Main boom:** Seldén silver anodized aluminium alloy section. Single line reefing system and outhaul internally in boom. Lines lead to cockpit winches. Rod kick / Kicking strap. Mainsail cover.

**Standing rigging:** Forestay and backstay in XX mm wire, backstay split in 2 stays XX mm each with Block & Tackle or mechanical backstay tensioners. Top shrouds XX mm, lower shrouds in 8 mm wire. Intermediate in XX mm wire and linked to top shrouds. Checkstays in 6 mm wire. All turnbuckles are Lloyds approved Hasselfors forged stainless steel. 5 off XX" and 3 off XX".

#### Running rigging:

1 main halyard: 10 mm spectra.

1 jib halyard: 10 mm spectra.

Self-tacker sheet in 10 mm.

spectra. 2 running backstays in wire/rope.

1 main sheet: 12 mm terylene with appropriate blocks 1 kicking strap: 10 mm terylene with appropriate blocks.

2 reefing lines + 1 main outhaul: 10 mm terylene (Spinnaker equipment is optional extra.)

All sheets etc. with appropriate blocks and shackles.

#### SAILS

The standard sails are a self-tacking jib and a mainsail with 2 reefs.

**Miscellaneous:** Deck flood light with switch on instrument panel.

**THE STANDARD EQUIPMENT** also includes: 4

mooring lines.

6 fenders.

1 flag pole (no flag.)

1 anchor with chain and rope.

Instruction manual.

**Delivery:** The boat is to be inspected and approved by the owner before shipment from the yard. Bottom painting with 200-micron epoxy and antifouling.

**CHANGES TO THE SPEC. SWEDEN YACHTS RESERVES THE RIGHT TO CHANGE MATERIAL, EQUIPMENT AND OTHER SPECIFICATIONS WITHOUT PRIOR NOTICE. ONLY A SIGNED SPECIFICATION IS BINDING FOR THE YARD.**

Polar diagram

