



Dimensions:	Length overall	12.50 m
	Length of waterline	10.00 m
	Beam	3.95 m
	Draft	2.25 m *
	Displacement	8500 kg
	Ballast (lead)	3700 kg
	I	16.85 m
	J	5.20 m
	P	14.85 m
	E	4.25 m
	Rating IOR	32 Ft. approx.

* Shallow draft version with wingkeel available DRAFT= 1.80 m

Designed by: Peter Norlin/Jens Östmann

Built by: Sweden Yachts i Stenungsund AB
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SPECIFICATION

Sweden Yachts 41

Rev. 7, November 1986

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 period until hand-over.
Tests	The yacht is tested in the test pool. The engine is run for four 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	Lloyd's Register Hull Construction Certificate is supplied with each yacht.

WARRANTY THE YACHT AND THE EQUIPMENT HAVE A ONE (1) YEAR LIMITED WARRANTY AGAINST POOR WORKMANSHIP AND MATERIAL FAILURE.

CONSTRUCTION

Hull	End grain balsa core sandwich using fiberglass mat and rowing 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 fiberglass on both sides. Stress areas where winches, sheet tracks etc. are fixed are reinforced by replacing the balsa core with marine plywood or by using aluminum backing plates.
Hull/Deck joining	The hull is laminated to the deck using glass and polyester. 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 of stainless steel. Lifting lug is fastened to the keel bolts.
Rudder	The balanced spade rudder is moulded in fiberglass using uni-directional rowing and mat for maximum strength. The rudder stock is of stainless steel with three bearings, two ball bearings and one bronze bearing in the heel.
Motor bed	Volvo Penta original glass fiber bed moulded to the hull and filled with heavy ballast for maximum stability.
Mast step	Galvanized mast step bolted to bottom reinforcement.
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.

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Teak deck	Teak deck is laid from 12 mm first class teak ribs bonded to the deck with polyurethane and secured by stainless steel screws. Expansion joints sealed by special silicone. Teak in cockpit and on bridge deck.
Interior	Marine grade water proof plywood with pine and birch core faced with selected mahogany is used in all bulkheads and major joinery. Specially selected solid mahogany in frames and doors. Marine grade lauan in bottoms, shelves etc. where not visible. All main bulkheads bonded to hull and deck using glass mat and polyester. All main visible hull sides covered by mahogany planking ribs. Ceiling, top-sides and minor visible hull sides padded with foam backed vinly. Hullsides, bottom, bilge, etc. topcoated throughout the interior. Cabin sole is teak with inlaid light wood stripes. All mahogany is varnished in satin finish. Cabin sole teak is oiled.

ACCOMODATION DESCRIPTION

Forward cabin	Double berth to port. Sail stowage under berth. Shelf forward. Small shelf in the aft end of berth. Seat to SB.
Toilet comparm.	Moulded bottom section drained by electric pump. Moulded wash basin unit. Shower arrangement. Lockers along hullside.
Lockers	Double hanging lockers. One locker with wire baskets.
Main cabin	L-shaped settees SB and BB. Table with fixed middle section and fold-ing wings. Stowage under settee on both sides. Book shelf.
Galley	L-shaped galley with 155 L double ice-box, double sink, drawer section, cutting board, dry food locker, overhead cupboards. Formica top. Gas stove with oven. The ice-box is drained to a separate sump.
Navigation area	Large navigation table with stowage for charts etc. Electrical master panel mounted in bulkhead locker. Navigation chair.
Aft	Big double berth with shelves on both sides. Stowage room under both shelves. Hanging locker to port, wash-stand and hanging locker to SB.

DECK EQUIPMENT

Windows	4 fixed aluminum framed windows in cabin trunk, 2 openable aluminum framed windows in cockpit.
Hatches	Large hatch to forward cabin, medium size hatch to main cabin and small hatch to toilet compartment. Plexiglass companionway sliding hatch.
Ventil-ation	3 Dorade ventilators, 1 Electrolux ventilator. Engine air inlet from cockpit. Battery compartment ventilated.
Winches	2 Lewmar no. 55 3-speed genoa sheet winches 2 Lewmar no. 46 2-speed spinnaker sheet winches 1 Lewmar no. 40 2-speed S/T main sheet winch 2 Lewmar no. 42 2-speed (one S/T) halyard winches 2 Lewmar no. 40 2-speed (one S/T) halyard winches 2 Lewmar no. 40 2-speed with 2 x 4 stoppers & 2 x 2 cleats, spinn-pole lift, downhaul and other trim functions, 1 Lewmar no. 30 2-speed reefing winch 3 10" handles with lock. Lead blocks, cleats, etc.
General hardware	Aluminum toe rail bolted to deck-hull. 4 mooring bollards, 10 stanchion bases and tapered SS stanchions, pulpit, pushpit and ladder in SS, double lifelines, navigation lights, aluminum genoa tracks with roller fairleads. Bilge pump. Double anchor roller. Main sheet track with slider and tag lines.

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Steering	6" Pedestal steering with 10" radial wheel, brake and stainless chain and wires. 40" stainless steel wheel.
Compass	Suunto or equivalent.
General	Bolts, nuts, washers and screws used for fastening deck equipment are stainless steel. Sealing used between deck and equipment are polyurethane, silicone or specially developed material.

INTERIOR EQUIPMENT

Fresh water	Water capacity 320 litres in stainless steel tanks with level meter. Filler lines from deck. Tanks ventilated. Pressure water system. Foot pump in pantry, shower arrangement in toilet. Filling and distribution hoses in reinforced polyethylene. Hand holes for cleaning. Double sinks and wash basin drained through hull with ball valve seacocks. Hot water is optional extra.
Gas installation	Gas bottle installed in separate drained compartment on deck. Copper tubing, reduction valve for low pressure system, and shutoff valve close to each consumer. 2 burner gas stove with oven, installed with Sweden Yachts developed fixed position - gimballed position device.
Electrical	Switchboard and control panel in navigators area. 1 ceiling lamp, 8 bulkhead spotlights, 6 tube lights, 4 locker lights, 1 navigators light, 3 fluorescent lights. 3/2 x 75 amp.hours marine batteries. Refrigerator for cooling box. 2 circuit breakers.
General hardware	All hanging lockers equipped with aluminum tube with hooks. Doors have marine locks. Locker doors have finger snap locks and are hinged with brass hinges.
Toilet installation	Hand operated marine toilet with sea intake and outlet through ball valves. Waste holding tank and electric toilet are optional extras.
Shower	Shower basin is drained by electric drainage pump operated by manual switch in shower compartment.
Cushions etc.	Cushions in high quality foam with first class upholstery in a choice of colours, curtains in velvet. Carpets are optional extra.
General	Bolts, nuts, washers and screws are generally stainless steel. Hose clamps are all stainless steel. Through bottom fittings and other pipe fittings are brass. Hoses are reinforced flexible PVC or polyethylene.
Miscellan.	1 Bilge pump operated from cockpit.

ENGINE INSTALLATION

Engine	Volvo Penta MD 2003 Turbo 3 cylinder 43 HP marine diesel with 120 S sail drive and folding propeller. Fresh water cooled.
Controls	Volvo Penta single lever controller and instrument panel in cockpit.
Fuel	150 L diesel tank in stainless steel with level meter, filled from transom. Ventilated to transom.
Exhaust system	Water cooled exhaust system in reinforced rubber hose through silencer and appropriate fittings.

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- Engine housing Easily removable engine housing with interior joinery finish, well insulated with aluminum foil covered foam insulation to prevent oil spillage to impinge foam.
- Alternator 1 55 amp alternator charging the electric system. One 12V 75 amp.hrs battery is separate and for engine start only. Blocking diodes are used for simultaneous charging of all circuits.

MAST AND RIGGING

- Main mast Seldén silver anodized alloy oval section (244 x 150 mm). Double spreaders in aluminum. All halyards are internal. Spinnaker pole track with spinnpole slide and winch for adjustment. Appropriate blocks and exits for halyards. Sound insulated.
- Main boom Seldén silver anodized aluminum alloy section (162 x 125 mm). Slab reef system and outhaul internally in boom with stoppers and central winch. Seldén tubular racing kick/kicking strap.
- Standing rigging Forestay, topshrouds, forward lower shrouds, backstay in 10 mm wire. Intermediate in 8 mm wire, inner forestay in 7 mm wire. Running backstay in 6 mm wire. All turnbuckles are Lloyds approved Hasselfors forged stainless steel. 4 off 3/4", 2 off 5/8" and 2 off 1/2".
- Running rigging
- 1 Main halyard: 5 mm - 133 SS wire and 14 mm terylene
 - 1/2 Jib halyard: 6 mm - 133 SS wire and 14 mm terylene
 - 1 Topping lift 4 mm - 133 mm SS wire and 10 mm terylene
 - 2 Running backstay tackle 12 mm terylene
 - 1 Main sheet 12 mm terylene with appropriate blocks
 - 2 Jib sheets 16 mm terylene
 - 1 Kicking strap 12 mm terylene with appropriate blocks
 - 3 Reefing lines 12 mm terylene
 - 1 Spinnaker boom heel lift 10 mm terylene
 - 2 Spinnaker halyard 14 mm terylene
 - 2 Spinnaker boom uphaul 12 mm terylene
 - 1 Spinnaker boom downhaul 12 mm terylene
 - 2 Spinnaker sheets 14 mm terylene
 - 2 Spinnaker guys 16 mm terylene
- All sheets with appropriate blocks and shackles.
- Poles One spinnaker pole and one jockey pole. Round section with appropriate fittings and deck fittings.
- Miscell. Spreader light with switch on instrument panel.

THE STANDARD EQUIPMENT also includes

- 4 mooring lines
- 6 fenders
- 1 flag pole with flag
- 1 anchor with chain and rope

- Delivery The boat is to be inspected and approved by the owner before shipment from the yard. Bottom painting with antifouling. Rigging and launching at the yard can be arranged if requested.
- Changes to the spec. Sweden Yachts reserves the right to change the material, equipment and other specifications without prior notice. Only a signed specification is binding for the yard.