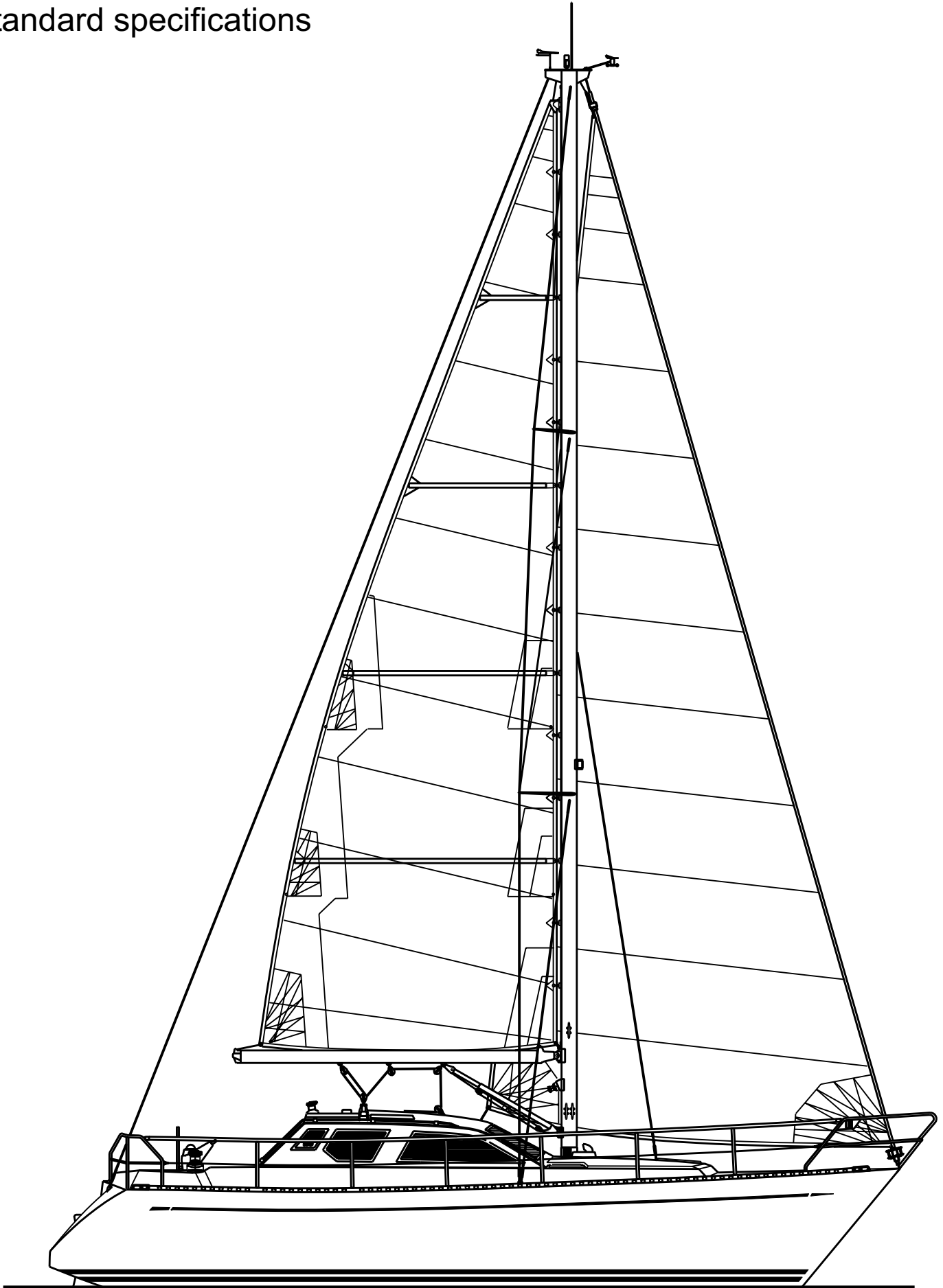
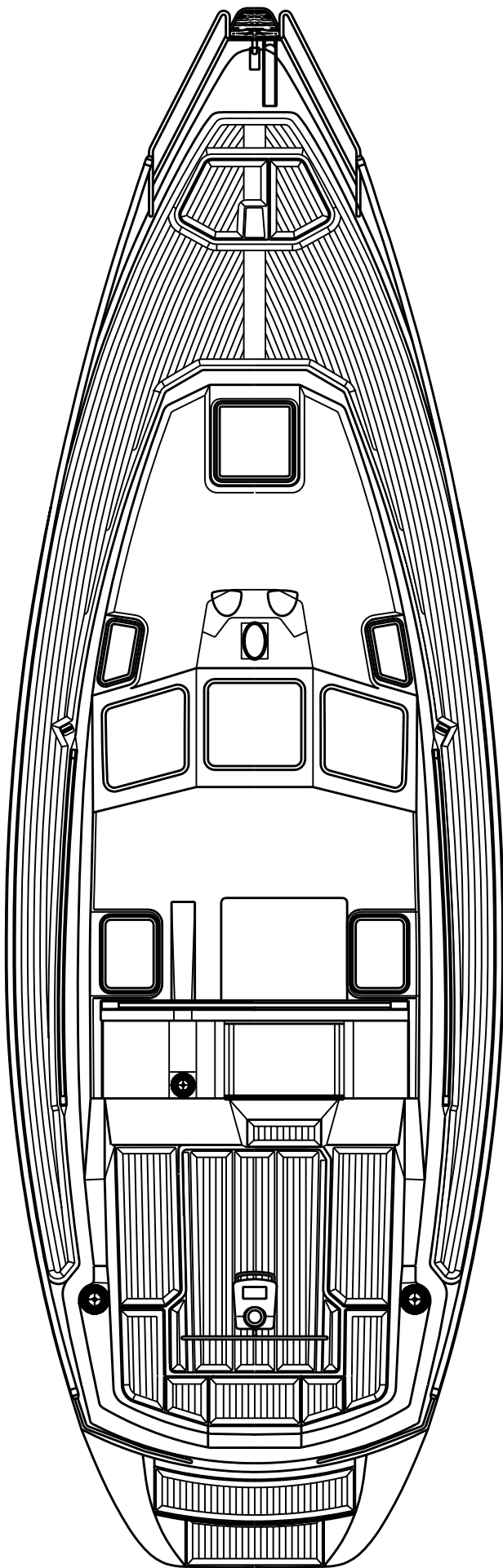


nauticat 321

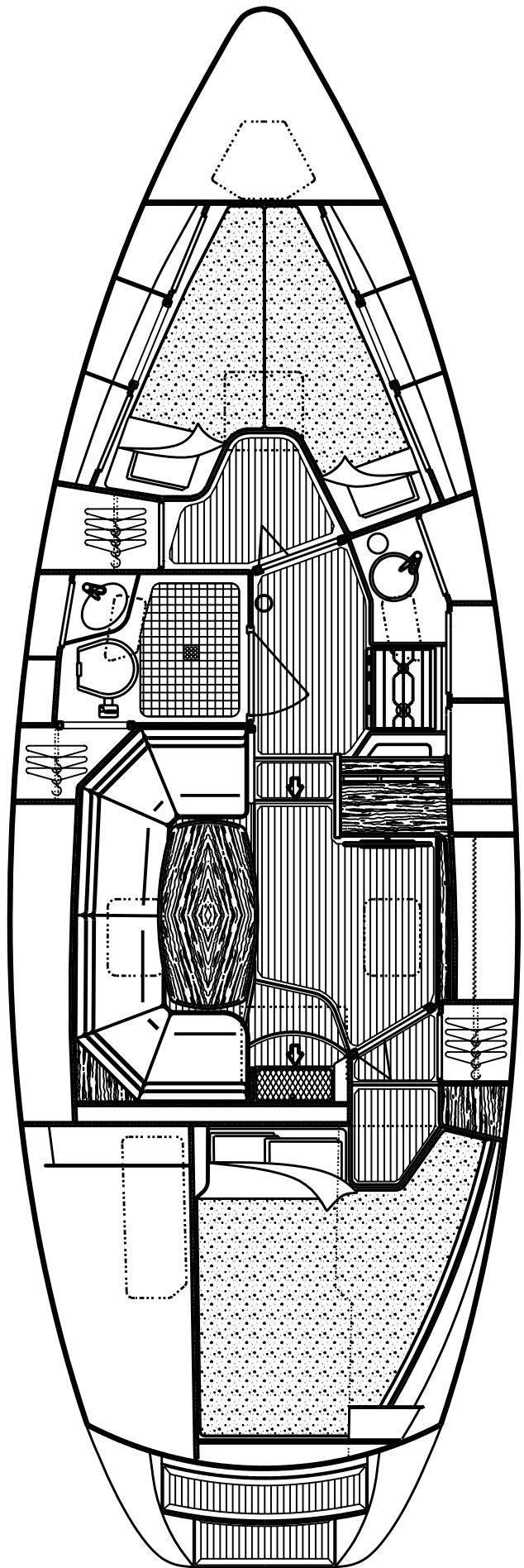
Standard specifications



NAUTICAT 321 SLOOP



DECK LAYOUT



STANDARD INTERIOR

NAUTICAT 321 PILOTHOUSE SAILBOAT STANDARD SPECIFICATIONS

L.O.A., hull	10,00 m	32'10"
L.W.L.	8,30 m	27'3"
Beam	3,24 m	10'8"
Draft		
– shallow draft keel	1,45 m	4'7"
– fin keel	1,65 m	5'3"
– fin keel with bulb	1,80 m	5'9"
Displacement, approx.	6,0 tons	13300 lbs
Headroom		
– forecabin	1,83 m	6'
– pilothouse and saloon	1,90 m	6'3"
Ballast	1,8 – 2,15 tons	4000 – 4300 lbs
Fresh water tanks, total	440l	117 gal. UK
Fuel tank	250l	66 gal. UK
Mast height over water line	13,8 m	45'3"
Speed, by engine, approx.	7 knots	
Cruising range, approx.	400 nautical miles	

SAILS (all sails are optional)

A = sloop with standard mast

B = sloop with furling mast

C = sloop with taller std mast

D = sloop with taller furling mast

	A	B	C	D
Total sail area	53,5 m ²	51,1 m ²	59,2 m ²	54,7 m ²
Main	22,3 m ²	19,9 m ²	26,0 m ²	21,5 m ²
Genoa	31,2 m ²	31,2 m ²	33,2 m ²	33,2 m ²
Jib	18,9 m ²	18,9 m ²	18,9 m ²	18,9 m ²
Storm jib	6,0 m ²	6,0 m ²	6,0 m ²	6,0 m ²
Spinnaker (Tri Radial)	80,0 m ²	80,0 m ²	80,0 m ²	80,0 m ²
Cruising spinnaker	71,0 m ²	71,0 m ²	71,0 m ²	71,0 m ²

Sails manufactured by North Sails.

Mast manufactured by Seldén Mast.

CE approved category A.

HULL

All hand laminated fibreglass construction with layers of mat and woven roving. The engine bed has a captive steel plate for the securing of engine mounts. The keel consists of a fibreglass section forming part of the hull i.e. bilge, suspended from which is external lead ballast of 1,8 tons. This is secured by acid-proof steel bolts with stainless steel internal backing plates.

DECK AND SUPERSTRUCTURE

Deck and superstructure are an one-piece moulding constructed entirely of hand laminated fibreglass. All surfaces including wheelhouse roof have an anti-slip finish. Anchor well in the foredeck. Four heavy duty bollards with adjacent fairleads are employed for safe mooring of the vessel; 2 forward, 2 aft. All windows are of toughened safetyglass suspended in alloy frames. The guard rail is made of solid teak mounted on stainless steel stanchions, pullpit and pushpit of stainless tube. Boarding gates aft and starboard. All external teakwood parts in natural without any treatment.

ENGINE

The engine is a fresh water cooled Yanmar (BSO stage II approved) 3JH4E marine diesel engine, 28,7 kW/39 hp/3000 RPM. Mechanical gearbox, KM35A reduction 2.33:1. Propeller shaft ø 35 mm, bronze propeller 17" x 13". Underwater parts protected against corrosion by means of a zinc anode. The fuel tank, situated under the pilothouse sole, draws 250 litres and it is equipped with a separate manual pump for taking out the dirt. Filling inlet on gunwale. Cruising range approx. 400 nautical miles.

PLUMBING

All through hull fittings below the water line have seacocks. The two deck filled fresh water tanks, situated under the pilothouse sole, hold a total of 440 litres. Selection valve. Pressure water system. Tubing in rigid polyethen. The toilet is supplied with marine pump type head, septic tank and a pumpout fitting on deck. Electric, automatic bilge pump, and a manual one in cockpit. Stainless steel round shaped sink in galley, basin in toilet.

STEERING

Two independent hydraulic units employed in parallel, one for the pilothouse helm and other for the cockpit helm station. Rudder of GRP, rudder stock of acid-proof steel, support of bronze. Emergency steering by means of a tiller connectable directly to the

rudder stock. The boat can also be equipped with Whitlock mechanical steering in case of navcenter interior. From pilothouse the boat can be controlled by an optional autopilot.

ELECTRICAL SYSTEM

12 V D.C. current system employing 3 heavy duty lead acid batteries, one start battery of 130 Ah and 2 service batteries of 180 Ah housed in a ventilated box in the engine room. Master switch and parallel connection relay, 12 V/80 A alternator. All circuits protected by automatic fuses. Working lights positioned throughout the vessel where appropriate, including flexible arm chart light and reading lights at all beds and lights in wardrobes. Running lights to international standards. Hand searchlight and horn.

SPAR AND RIGGING

Silver anodised Seldén aluminium mast with internal halyards. Two profiled pairs of spreaders. The boom is equipped with a Rodkick boomvang. The mast is deck stepped with a stainless steel support to the keel. Steaming light, anchor light and deck flood light at the mast. Grounding for lightning.

Halyard winches:

– 1 x Andersen 10

– 1 x Andersen 12 ST/1

Standing rigging:

– Mast, 1 x 19 ø 6–8 mm, stainless steel wire

Running rigging:

– Internal halyards of 7 x 19 stainless steel with rope tails

– Sheets of rope ø 14 mm

Sheet winches:

– fore sail: 2 x Harken B40.2STA

– main sail Harken 16 STA

Stainless steel chainplates and turnbuckles.

INTERIOR

Interior construction of satin varnished solid teak and teak faced marine plywood, except the galley and toilet, which are finished in light laminates. Cabin sole of teak faced marine plywood with light wood striping. Large selection of fabrics for curtains and upholstery. Wall-to-wall carpeting in pilot house. Toilet floor with drain. Interior with GRP module.

FORECABIN

Two berths in V-configuration. Shelves, lockers and reading lights by berths. Aluminium framed skylight hatch overhead with vent. Large full-length illuminated wardrobe with shelves.

TOILET

Located by the forecabin. Pressure water, basin and hand shower, marine head with hand pump emptying to septic tank. Overhead light. Storage behind and underneath the basin. Aluminium framed skylight hatch and Dorade vent. The storage for rainwear.

GALLEY

Galley providing ample laminate counter space. Stainless steel sink. Two burner gimbaled gas stove with oven and flame guards. Gas installation: solid copper pipe, flexible hoses to gas bottle and stove. Shut-off valve for stove in the cabinet under the sink. Pressure water system. Top-loaded appr. 100 litre compressor driven coolbox. Extensive cabinetry, drawers and lockers. Cutting board. Trash pail. Drawer for cutlery. Aluminium framed skylight hatch and Dorade vent.

PILOTHOUSE

This area distinguishes a Nauticat from all other vessels. The visibility is free to all directions through the aluminium framed safetyglass windows. From the pilothouse there is a companionway to the cockpit, and passages to owner's cabin and galley. The helm station includes a complete illuminated engine control panel, a depth sounder, a knotmeter/log, a hand searchlight and the signal horn switch. Chart light and overhead light. Storage for charts. Ample locker space on stb side. Large overhead hatches on both sides. Sliding hatch/skylight. The large U-settee in the deck saloon accommodates six persons comfortable for dining or relaxing. Storage under the settee. Spacer with cushion. Overhead lights. Flexible chart light. Space for navigation instruments, radar and electronics on stb side.

OWNER'S CABIN

Roomy and comfortable aft cabin with a double berth. Illuminated wardrobe and an ample storage on stb side. Reading lights and overhead light. One opening port, one opening and one fixed window. 12 V outlet.

EQUIPMENT

Aft storage room	Big storage locker in cockpit on port side.
Anchors and warps	1 × 15 kg (33 lbs) Bruce anchor, 1 × 10 kg (22 lbs) anchor. 5 m (16') chain, 2 × 50 m (2 × 164') polypropylene warps. Aluminium bow roll.
Anchor box	One forward. Storage for fenders and ropes, draining at bottom.
Bar locker	In pilothouse with rack for bottles etc.
Batteries	2 × 180 Ah/12 V for service and 1 × 130 Ah for start.
Bilge pump	One automatic electric bilge pump. One manual bilge pump in cockpit.
Boarding ladder	At stern.
Chart storage	Storage for charts in wheelhouse.
Compass	Suunto D135 on cockpit pedestal.
Depth sounder	Raymarine ST70 in cockpit. Anchor guard.
Electric outlets	12 V, in wheelhouse/saloon, owner's cabin and cockpit.
Emergency steering	Direct to rudder stock.
Fenders	4 fenders.
Fire extinguishers	1 × 2 kg (4 lbs), 1 × 6 kg (13 lbs).
Flag staff	Teak pole on aft rail.
Gas locker	Under helmsman's seat in cockpit
Horn	Electric marine horn with push button inside and outside.
Instruments	Tachometer Engine oil pressure gauge Temperature gauge Ampere meter Volt meter Fuel gauge Engine hour meter Fresh water gauge
Lifebuoy	1 horseshoe type
Life rails	Stainless steel stanchions, teak rail at sides, aft gate, stainless steel pullpit and pushpit.
Lights	Navigation, steaming and anchor lights according to international rules. Control panel for lights in pilothouse. Flood lights Chartlight in pilothouse Searchlight.
Log	Raymarine ST70 speed and distance recorder, trip recorder.
Mooring warps	4 × 15 m (4 × 49').
Padeyes	7 pcs for lifeline.
Pressure water	In galley and toilet.
Refrigeration	Approx. 100 l insulated box, cooled 12 V compressor.
Repair kit	Gelcoat in hull colour.
Septic tank	Emptying from deck or to sea.

Sink, basin	Sink in stainless steel in galley, basin in toilet.
Stove	Propane gas stove with two burners and oven, flame guards, gimbaled.
Switch board	Start/stop switch Signal horn push button 2 windshield wiper switches Warning signal and light for malfunction of engine temperature, oil pressure and charging Additional signal in cockpit Switch for pressure water Switches for navigation and anchor lights All instruments are illuminated.
Ventilation	Wheelhouse/saloon: two opening overhead hatches and companionway. Galley, fore cabin and toilet: overhead hatches. Toilet, and galley: Dorade vents. Fwd cabin: vent in hatch. Aft cabin: 2 openable windows.
Water tank	440 litres in two polyethylene tanks, three way valve.
Winch handles	1 × 8", 2 × 10" with lock.
Windshield wipers	Two in front windows, stb and port.

Nauticat Yachts tries to improve its products by using the latest techniques and equipment while still maintaining high standards. Therefore, it might be necessary to alter the specifications from time to time. Nauticat Yachts reserves the right to alter specifications without prior notice. The pictures may show options. Depending on the fact that the ordered amount and placing of extra equipment varies from boat to boat, each boat is balanced with lead before delivery at our testpool. The interior drawings presented in this specification should only be considered as examples of possible interior layouts. The interior layout according to which the boat is to be built is confirmed separately for every yacht at order. See also your dealer's additional specifications as variations appear due to national safety rules. All dimensions mentioned in this standard specification are approximate.

Nauticat Yachts Oy has during its existence evolved to one of the leading boatyards, building traditional motorsailers and pilothouse sailboats. At the end of the year 2009 over 2750 Nauticats have been launched in different parts of the world. In addition to the famous "Grand Old Lady", the Nauticat 331, the current range compresses the traditional motorsailers, Nauticat 38 and 441. Nauticat 321, 351, 37, 385, 42, 515 and 525 we call pilothouse sailing yachts.



Builder and Head Office

NAUTICAT YACHTS OY

Lallintie 92

FI-21870 Riihikoski, FINLAND

Telephone: +358 207 129 660

Telefax: +358 2 4868 500

nauticat.yachts@nauticat.com www.nauticat.com