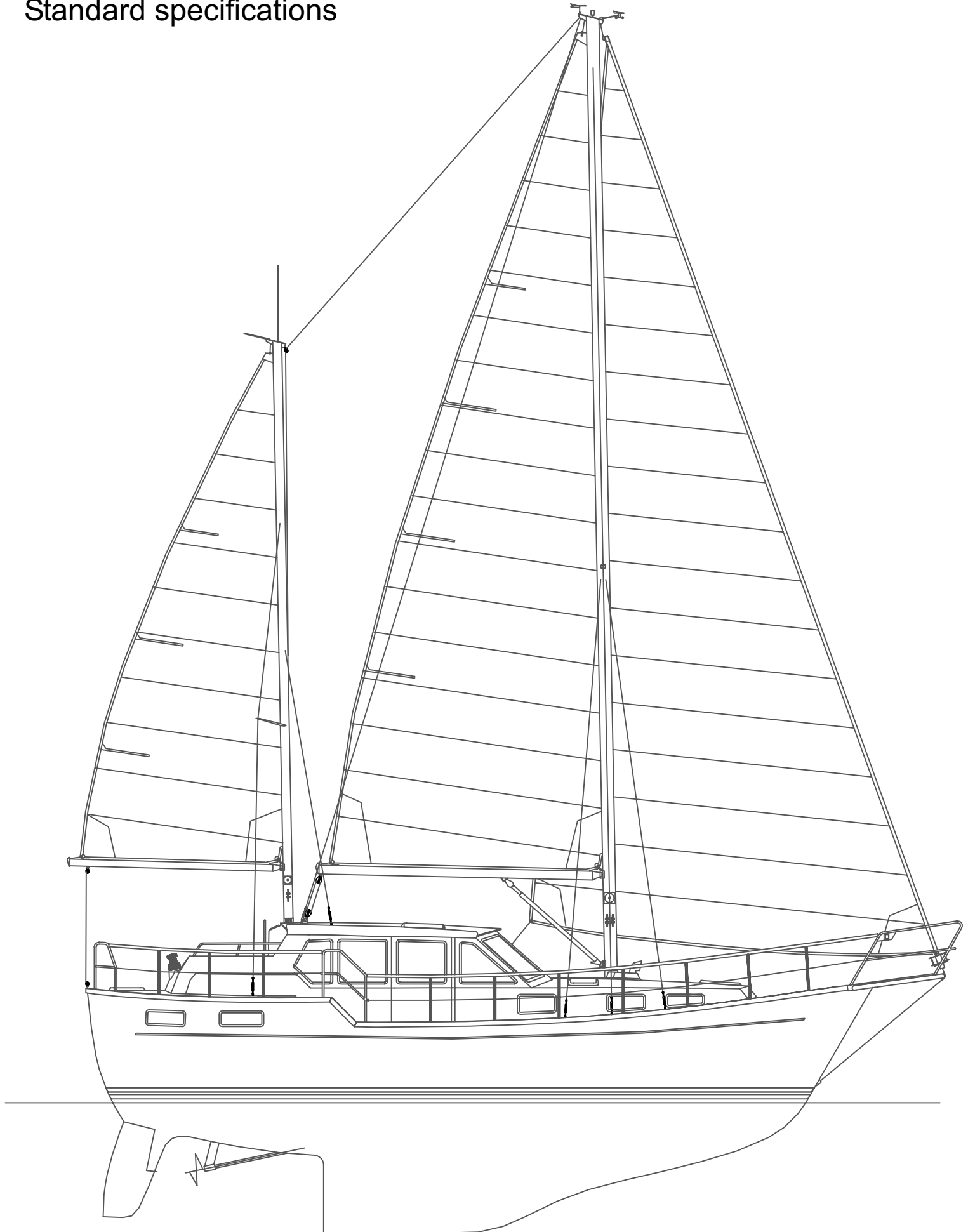


# ***nauticat 331***

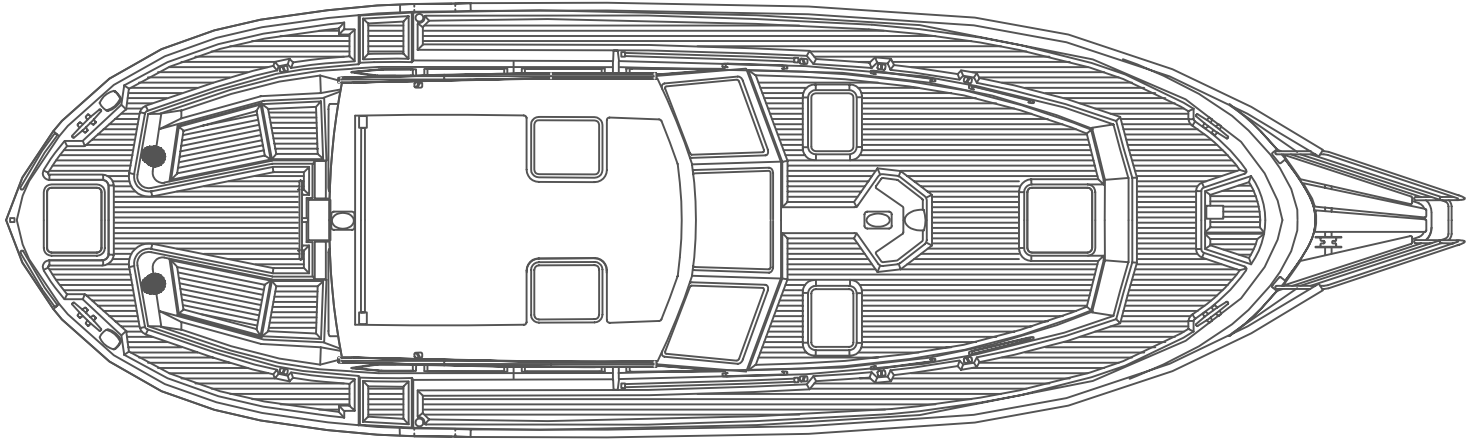
September 2006

Standard specifications

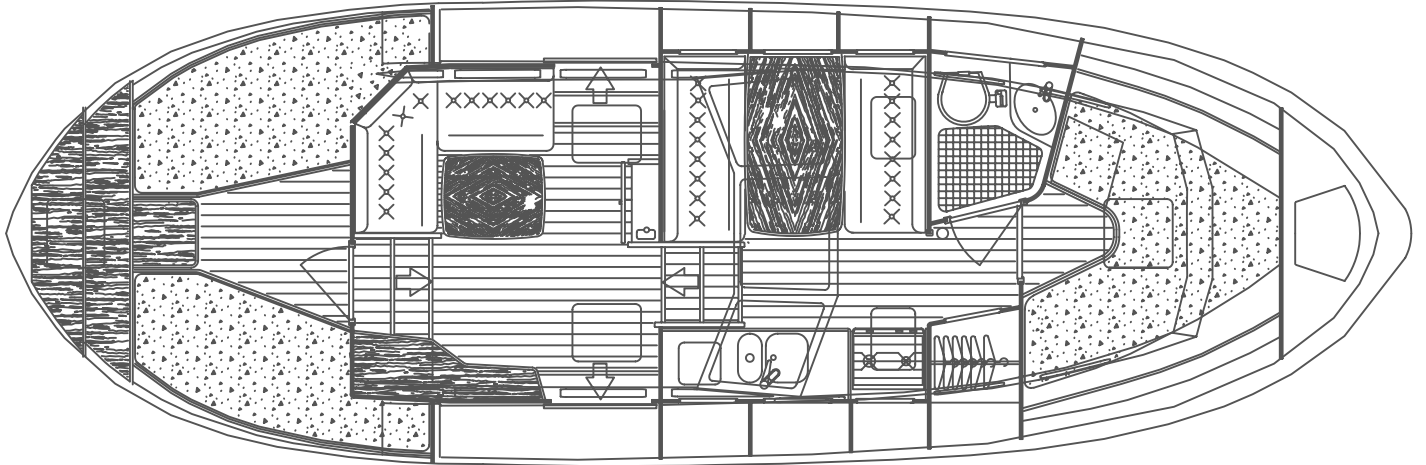


NAUTICAT 331 KETCH

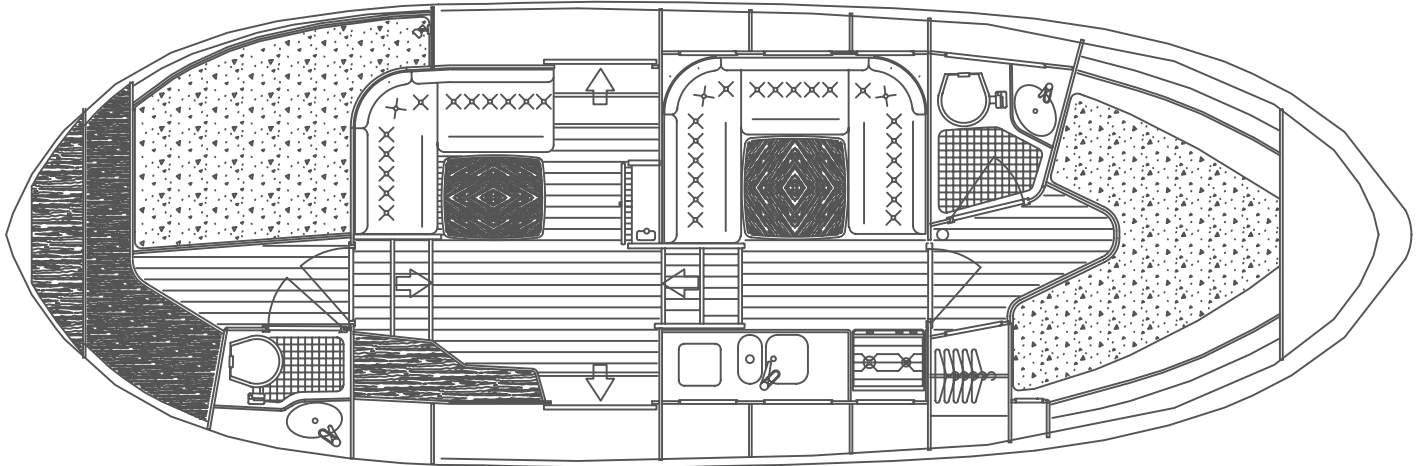
DECK LAYOUT



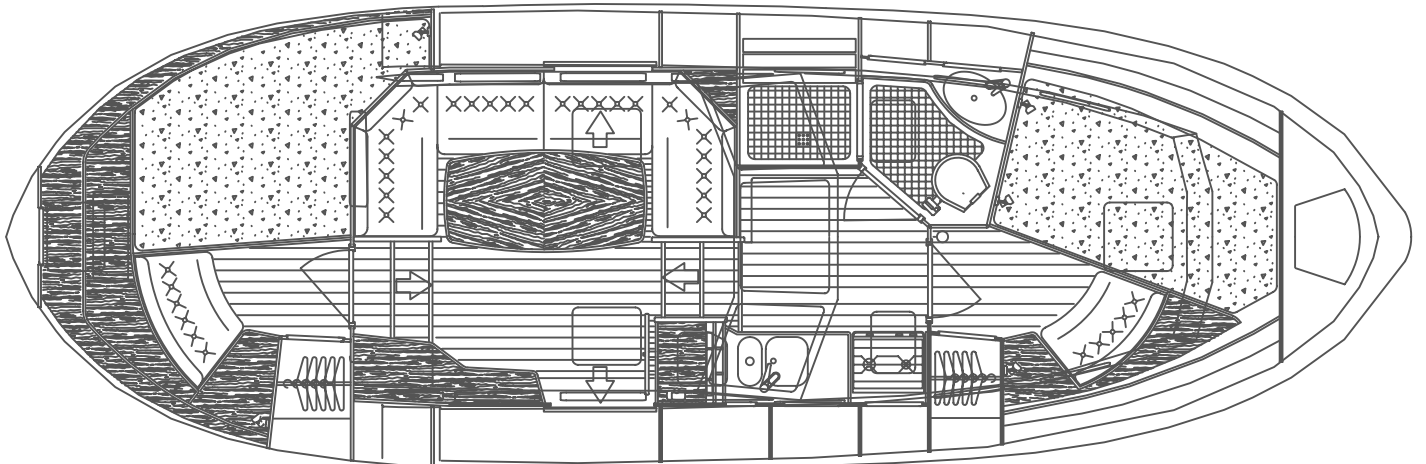
INTERIOR 331-036



INTERIOR 331-307 (Optional)



INTERIOR 331-004 (Optional)



## NAUTICAT 331 MOTORSAILER STANDARD SPECIFICATIONS

L.O.A., hull	10,40 m	34'1"
L.W.L.	8,60 m	28'6"
Beam	3,40 m	11'2"
Draft	1,48 m or 1,60 m	4'10" or 5'3"
Freeboard, fore	1,50 m	4'11"
Freeboard, aft	1,40 m	4'7"
Displacement	8,30 tons	18200 lbs
Headroom		
- fore and aft cabin	1,75 m – 1,80 m	5'9" – 5'11"
- pilothouse and saloon	1,80 m – 1,90 m	5'11" – 6'3"
Ballast, approx.	2,4 tons	5300 lbs
Fresh water capacity, approx.	450l	88 gal. UK
Fuel capacity	500l	110 gal. UK
Height above waterline, approx.	14,3 m	46'11"
Speed under power, approx.	8 knots	
Cruising range, approx.	600 nautical miles	

SAILS (all sails are optional)	Sail area
	Draft 1,48 m
A = Ketch rigged without bowsprit	52,7 m <sup>2</sup>
B = Ketch rigged with bowsprit	56,9 m <sup>2</sup>
C = Ketch rigged with bowsprit and double (cutter) headsails	66,7 m <sup>2</sup>
Main sail (A+B+C)	21,7 m <sup>2</sup>
Mizzen (A+B+C)	9,0 m <sup>2</sup>
Genoa I (B+C)	30,9 m <sup>2</sup>
Genoa II (B+C)	26,2 m <sup>2</sup>
Genoa III (A)	22,0 m <sup>2</sup>
Jib, self-tacking (C)	9,8 m <sup>2</sup>
Storm jib (A+B+C)	7,8 m <sup>2</sup>
Spinnaker (A+B+C)	62,0 m <sup>2</sup>
Cruising spinnaker (A+B+C)	53,0 m <sup>2</sup>

Sails manufactured by North Sails.  
Masts manufactured by Seldén Mast.  
CE approved category B.

### HULL

All hand laminated GRP construction using alternate layers of mat and woven roving. Longitudinal stringers and transverse floor members in appropriate areas. All structural bulkheads are teak-faced marine plywood, securely bonded to the hull. Engine bed in GRP construction with steel plates.

### DECK AND SUPERSTRUCTURE

The deck and superstructure are of 100 % hand laminated GRP construction. Decks with anti-slip finish. All exterior trim, including handrails are of teak. All windows of toughened safetyglass suspended in alloy frames. Stainless steel stanchions with teak rails. Boarding gates aft and starboard. Four heavy duty mooring cleats and four heavy duty fairleads plus a stainless steel stemhead fitting. Caprail of teak. Anchor box on foredeck.

### ENGINE

The standard engine is a Yanmar 4JH4-TE marine diesel developing 75 hp/3200 rpm. Mechanic gear box provides 2.6:1 reduction. Engine is fresh water cooled. The acid-proof propeller shaft swings a 21" x 15,5" LH bronze propeller through heavy duty bronze bushings complete with lubrication system. 500 litres of fuel in two tanks, one on each side of the engine room, properly vented, with side deck fills and equipped with a separate manual pump for taking out the dirt. A cruising range of approx. 600 nautical miles is provided.

### PLUMBING

All through hull fittings below waterline supplied with seacocks. Fresh water capacity of 450 litres in polyethylene tank beneath the main sole with large inspection/clean out port and fill from deck. A pressure water system supplies both the galley and the toilet. Tubing in PVC and rubber. Double stainless steel sink in galley, basin and hand shower in toilet. The toilet is supplied with marine pump type head, septictank appr. 80 l and a pumpout fitting on deck, aft toilet is optional. Automatic, electric bilge pump and manual bilge pump on aft deck.

### STEERING

Dual steering stations, one in wheelhouse and one on aft deck, employ the widely known Capillano hydraulic system. Turnover rate of the inner wheel adjustable 3–6 turns from lock to lock. Rudder of fibreglass, rudder stock off acid-proof steel. Emergency steering by way of a tiller connected directly to the rudder stock.

### ELECTRICAL SYSTEM

Ship's service is by way of a 12 V D.C. system employing 3 heavy duty lead acid batteries 2 x 180 Ah for service and 1 x 135 Ah for start. One master switch for start and service battery. The charging system employs a 12 V/80 A alternator and a relay for parallel connection during engine-running. Automatic fuses for all consumers. Lights throughout the yacht as needed. Running lights to international standards.

### SPARS AND RIGGING

Silver anodised aluminium spars, with internal halyards. Stainless steel wire with rope tails. Boom equipped with Rodkick boomvang. Masts are deck stepped; steaming light, anchor light and deck light on the main mast. Deck flood light on mizzen mast.

Main mast halyard winches:

- 2 x Andersen 10

Standing rigging:

- Main mast, 1 x 19 Ø 6-7 mm, stainless steel wire  
- Mizzen mast 1 x 19, Ø 5-6 mm, stainless steel wire

Running rigging:

- Internal halyards of stainless steel 7 x 19, with ropetails  
- Sheets of rope Ø 12 and 14 mm

Sheet winches:

- Fore sail: 2 x Harken 32 STA 2-speed

Chain plates and turnbuckles are of stainless steel.

### INTERIOR

The interior joinery is of satin varnished teak, fitted to highest yacht building standards. Countertops in the galley and toilet compartment are of low maintenance durable laminates. Upholstery and curtains throughout are available in a variety of standard combinations. Wheelhouse curtains are not included. Wall-to-wall carpeting in pilothouse. Floor drain in toilet, floor of mosaic tiles.

### FORECABIN

Two comfortable berths with large aluminium framed opening hatch overhead. Reading lights and shelves above berths. Storage under berths. 12 V outlet.

### HEAD/TOILET

The head compartment is located by the fwd cabin and contains a marine pump type head basin and handshower. Inside the door on the ceiling there is a curtain on a rail of aluminium. Ceiling light. Storage behind and underneath of basin. Head is of light coloured laminate inside, lower part fibreglass module. One Dorade vent. Opposite the head compartment is a large hanging locker.

### SALOON

A large dinette for up to six persons convertible to a generous double berth. Outboard is cabinetry and a bar locker, bottle rack, mirror, space for a TV and radio, bookshelf. Large stowage compartments under seats. It is possible to place an U-shaped settee in the saloon.

### GALLEY

The galley opposite the saloon features a two-burner propane stove with oven (gimballed), and flame guards, double stainless steel sinks. Gas installation: solid copper pipe flexible hose to gas bottle and store. Shut off valve in the locker under the sink. Full-length storage cabinets outboard provide ample space for dishes, provisions, and typical on-board cooking utensils. 12 V compressor driven top loading 100 litres refrigerator. Glass shelf, cutting board, drawer for cutlery, trash pail. Translucent opening hatch and a Dorade vent to provide light and ventilation to this area.

### PILOTHOUSE

The visibility is unimpaired to all directions through the aluminium framed safetyglass windows. The pilothouse features a steering position with full instrumentation, compass, depth sounder etc. An extra large navigation/chart table with storage under, and engine controls are at the helmsman's fingertips. All instruments are illuminated for night use. Overhead lighting as well as chart light are provided, as are the windshield wipers. Ventilation is provided by two deck hatches and the two pilothouse doors port and starboard. Additional storage for miscellaneous sailing gear. Fixed seats for three persons. Fire extinguisher. Lounge settees and a

folding table make this area a delightful entertainment centre. One openable window. Several alternative layouts.

#### AFT STATEROOM

Two berths. Four openable windows + deck hatch. Storage under the steps to the pilothouse. Ceiling light and two reading lights. 12 V outlet. Plenty of storage under the berths and on the shelves behind the berths. Several alternative layouts.

#### EQUIPMENT

Anchors and warps	1 × 23 kg (51 lbs) stock anchor, 1 × 10 kg (22 lbs) anchor. 5 m (16') chain, 2 × 50 m (2 × 164') poly-propylene warps.
Anchor box	One forward, locker on side deck for gas bottle.
Bar locker	In saloon, racks for bottles etc., mirror.
Batteries	2 × 180 Ah/12 V for service and 1 × 135 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.
Cleats	4 cleats
Compass	Suunto D116, lighted or corresponding.
Depth sounder	Raymarine ST60+.
Electric outlets	12 V, in pilothouse, forecabin, aft stateroom and cockpit.
Emergency steering	Direct to rudder stock.
Fairleads	4 heavy duty aluminium fairleads.
Fenders	4 fenders.
Fire extinguishers	1 × 2 kg (4 lbs), 1 × 6 kg (13 lbs).
Flag staff	Flag pole on pushpit.
Heads	One forward, marine pump type toilet.
Hooks	6 pcs for lifeline.
Horn	Electric marine horn.
Instruments	Tachometer Engine oil pressure gauge Temperature gauge Engine hour meter Ampere meter Volt meter Fuel gauges
Lifebuoys	2 horseshoe type with holders.
Life rails	Stainless steel stanchions, teak rail at sides, gates aft and starboard.
Lights	Navigation, steaming and anchor lights according to international rules. Flood lights Chart light in pilothouse Searchlight. Lights in all cabins, reading lights at berths Indirect lights in galley and saloon
Log	Raymarine ST60+ speed and distance recorder, trip recorder.
Mooring warps	4 × 15 m (4 × 49').
Pressure water	In galley and toilet.
Refrigeration	Approx. 100 l insulated box, cooled 12 V compressor.

Repair kit	Gelcoat in hull colour, 1 l.
Septic tank	Appr. 80 litres with emptying from deck or to sea.
Sink, basin	Double stainless steel sink in galley, basin in toilet.
Stove	Propane gas stove with two burners and oven, flame guards, gimbaled.
Switch board	Start/stop switch Signal horn switch 3 windshield wiper switches Warning signal and light for malfunction of engine temperature and oil pressure, additional signal in cockpit Switch for pressure water Switches for navigation and anchor lights All instruments are illuminated.
Ventilation	Wheelhouse is ventilated through two deck-hatches, two sliding doors and one openable window. Galley and fwd cabin are provided with adjustable hatches on roof tops. Opening ports in aft cabin and deck hatch. Dorade vents with stainless steel frames in toilet and in pentry.
Water tank	450 litres in polyethylene tank.
Winch handles	1 × 8", 2 × 10" with lock.
Windshield wipers	Three in front windows.

Nauticat Yachts tries to improve its products by using latest techniques and equipment while still maintaining the high standards. Therefore, it might be necessary to alter the specifications from time to time and Nauticat Yachts reserves the right to alter specifications without prior notice. The pictures may show options. See also your dealer's additional specifications as variations appear due to national safety rules. All dimensions mentioned in this 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 2005 over 2650 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 44. The sloops Nauticat 321, 351, 37, 385, 42 and 515 we call pilothouse sailboats.



Builder and Head Office  
**NAUTICAT YACHTS OY**  
 Lallintie 92  
 FI-21870 Riihikoski, FINLAND  
 Telephone: +358 2 486 400  
 Telefax: +358 2 4868 500  
 nauticat.yachts@nauticat.com www.nauticat.com

