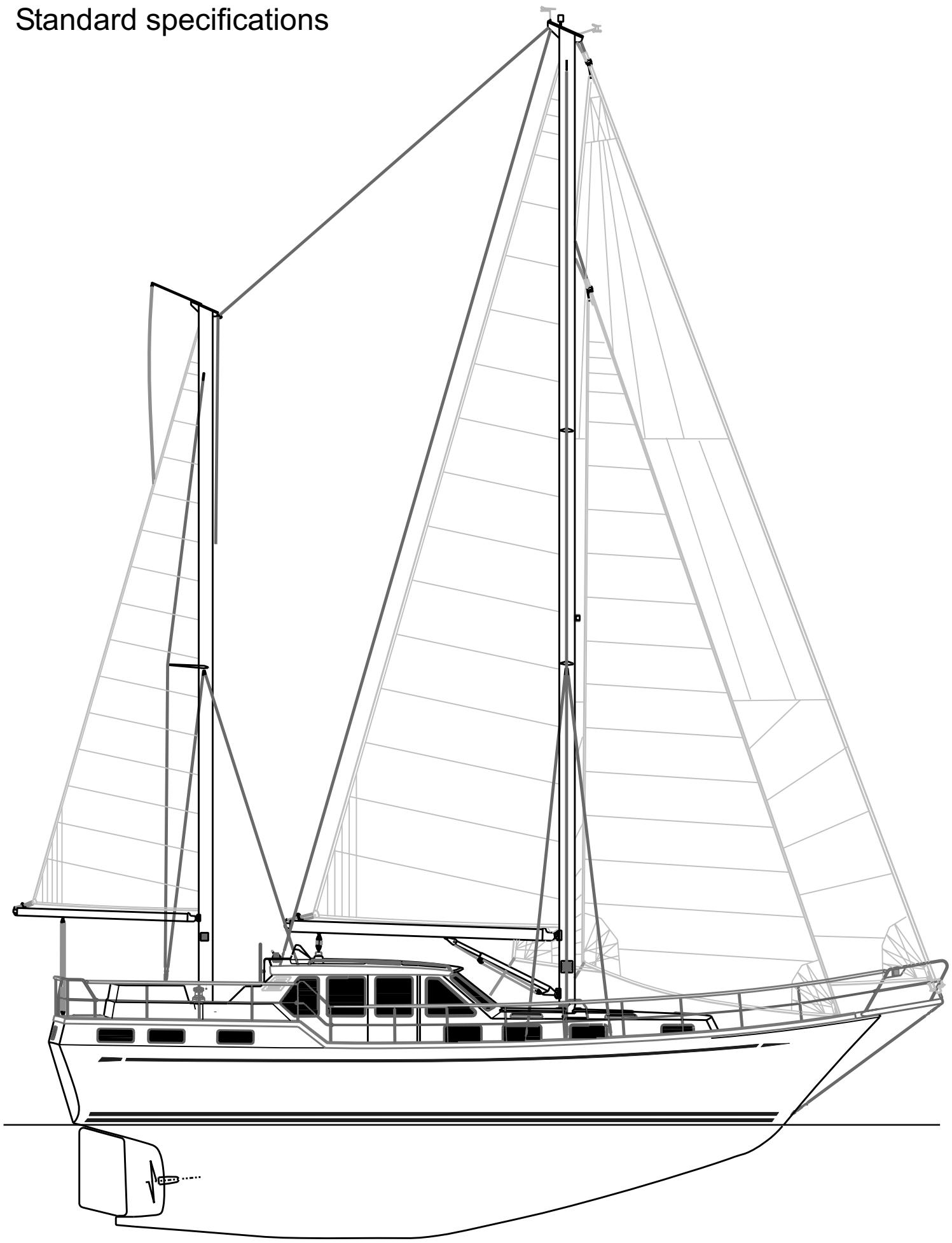


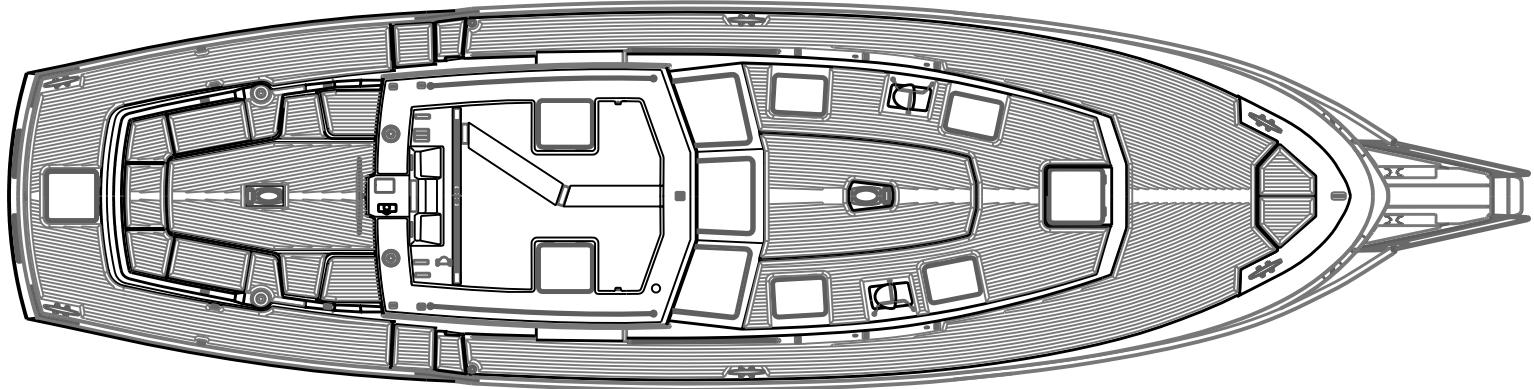
# ***nauticat 441***

Standard specifications

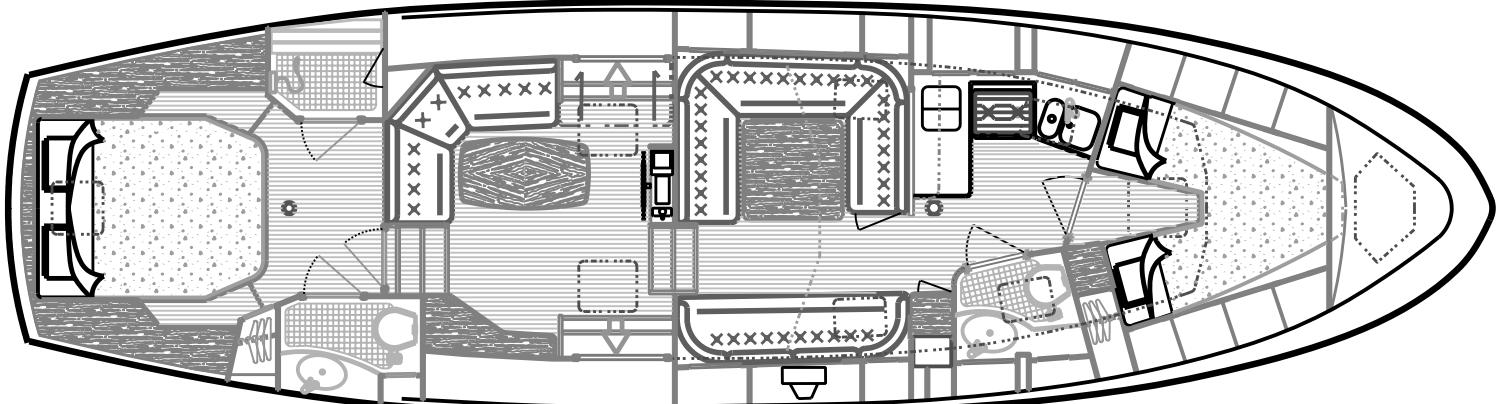


NAUTICAT 441 KETCH

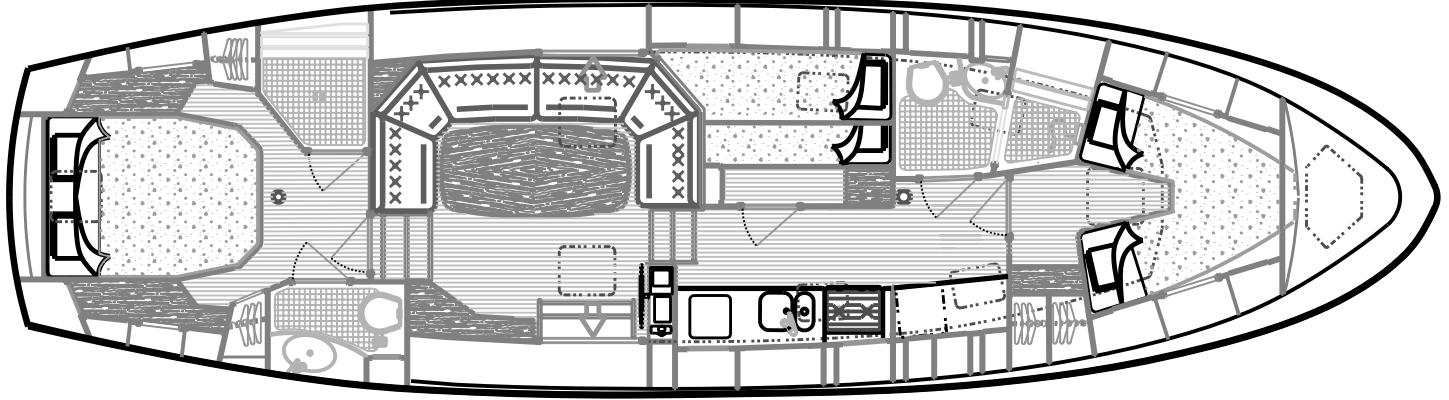
## DECK LAYOUT



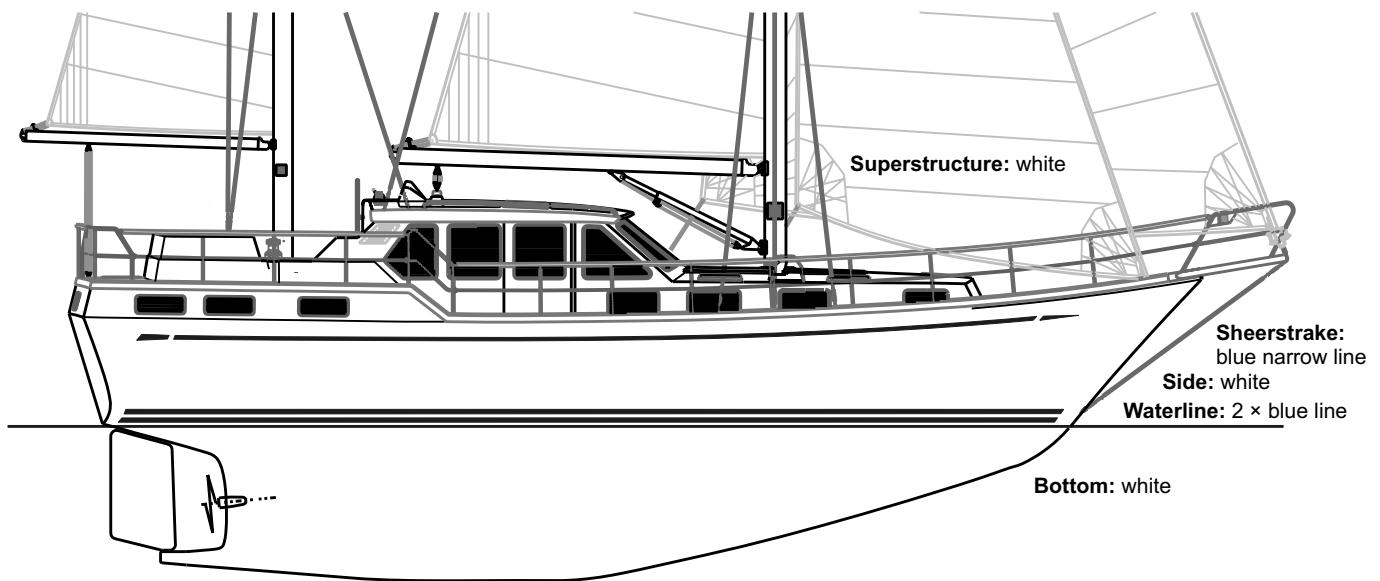
INTERIOR 010, standard



INTERIOR 015, U-sofa in pilothouse, guest cabin



STANDARD COLOURING



# NAUTICAT 441 MOTORSAILER

## STANDARD SPECIFICATIONS

L.O.A. without bowsprit	13,65 m	44'9"
L.O.A. with bowsprit	14,79 m	48'6"
L.W.L.	11,25 m	36'11"
Beam	3,75 m	12'3"
Draft	1,90 m	6'3"
Freeboard, fore	1,70 m	5'7"
Freeboard, aft	1,55 m	5'
Displacement, approx.	16,50 tons	37400 lbs
Headroom		
– fore and aft cabin	1,81 m – 1,93 m	5'11" – 6'4"
– pilothouse and saloon	1,93 m – 1,96 m	6'4" – 6'5"
Ballast	5,50 tons	12100 lbs
Fresh water tank	620 l	136 gal. UK
Fuel tanks	840 l	185 gal. UK
Height above waterline, approx.	17,50 m	57'5"
Speed under power, approx.	9 knots	
Cruising range, approx.	840 nautical miles	
SAILS (all sails are optional)		
A = Ketch rigged without bowsprit		Sail area
B = Ketch rigged with bowsprit		Draft 1,85 m
C = Ketch rigged with bowsprit and double (cutter) headsails		86,1 m <sup>2</sup>
Main sail	(A+B+C)	95,1 m <sup>2</sup>
Mizzen	(A+B+C)	114,0 m <sup>2</sup>
Genoa I	(B+C)	32,3 m <sup>2</sup>
Genoa II	(B+C)	13,4 m <sup>2</sup>
Genoa II	(A)	59,3 m <sup>2</sup>
Jib, self-tacking	(C)	49,4 m <sup>2</sup>
Storm jib	(A+B+C)	40,4 m <sup>2</sup>
Spinnaker	(A+B+C)	18,9 m <sup>2</sup>
Cruising spinnaker	(A+B+C)	13,5 m <sup>2</sup>
		119,0 m <sup>2</sup>
		123,0 m <sup>2</sup>

Sails manufactured by North Sails.

Masts manufactured by Seldén Mast.

CE approved category B.

Design: Gustafsson/Aarnipalo

### HULL

GRP hull single skin, all handlaminated. Longitudinal stringers and transverse floor members as appropriate. All structural bulkheads are teak faced marine plywood securely bonded to the hull. Iron/lead ballast keel of 5,5 tons, is fitted internally and encapsulated with single skin GRP. Draft 1,90 m. Engine bed of GRP with steel insert.

### DECK AND SUPERSTRUCTURE

The deck and superstructure are of 100 % hand laminated GRP construction. Non-skid deck surface. Handrail is made of teak with stainless steel stanchions. Windows are of toughened safetyglass suspended in alloy frames. Boarding gates aft and starboard. Four heavy duty chocks and four cleats. Stainless steel stemhead fitting. Rubbing strake of teak. Anchor box forward. The cockpit is formed as a huge U-shaped bench with lockers all around. The genoa winches are in the front of the bench. Stainless steel backrests with cushions.

### ENGINE

The engine is a fresh water cooled Yanmar 4LHA-HTP diesel engine developing 160 hp at 3000 rpm. ZF45A hydraulic gear box provides 2.43:1 reduction. Acid-proof propeller shaft Ø40 mm, bronze propeller 23" x 18"R. Cathodic protection is fitted on all underwater fittings. 840 ltr of diesel fuel is carried in two steel tanks, one each side of the engine room. The tanks are filled from sidedeck fillers and equipped with a separate handpump for taking out the dirt. Space reserved for generator installation. Cruising range approx. 840 nautical miles.

### PLUMBING

All through hull fittings below waterline with bronze seacocks. Fresh water: 620 ltr. Stainless steel freshwater tank is fitted under the main saloon sole. The tank is fitted with necessary venting. Pressurised water system. Tubing in rigid polyethen. Stainless steel double sink in galley, washbasins and handshowers in toilets. Both toilet compartments are supplied with marine pump type heads. Holding tank appr. 90 l with pumpout fitting on deck is fitted for the fwd head. Automatic electric bilge pump and manual bilge pump.

### STEERING

Dual steering stations, one in wheelhouse and one on aft deck. Turnover rate of the inner wheel adjustable, normally 3–6 turns from lock to lock. Rudder of GRP, rudder stock of 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, two of 220 Ah for service and one of 180 Ah for start. A 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. Circuit breakers. Lighting throughout the yacht as needed. Running lights to international standards.

### SPARS AND RIGGING

Silver anodised aluminium alloy spars with internal halyards and elliptical formed spreaders. The spars are sound-proof. Main mast boom equipped with Rodkick boomvang. Main and mizzen masts stepped on deck. Main mast is fitted with anchor, masthead and flood lights. Mizzen mast is fitted with flood lights and flag staff.

Main mast halyards winches:

- 2 × Andersen 28 ST 2-speed
- 1 × Andersen 12

Mizzen mast halyard:

- 1 × Andersen 10

Mizzen mast reefing:

- 1 × Andersen 10

Standing rigging

- Main mast, 1 × 19 Ø 8-10 mm, stainless steel wire
- Mizzen mast, 1 × 19, Ø 6 mm, stainless steel wire

Running rigging:

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

Sheetwinches:

- Fore sail: 2 × Harken B60.2STA
- Main sail: 2 × Harken B46.2STA

Chain plates and turnbuckles are of acid-proof steel.

### INTERIOR

All interior joinery is of satin varnished teak or teak faced marine plywood, except the surfaces of the galley and toilet compartments. Upholstery and curtains throughout are available in a variety of standard combinations. The floorboards are of teak faced plywood with wood striping and varnished finish. Wall-to-wall carpeting in pilothouse. Toilets and shower room floors are of mosaic tiles.

### STANDARD INTERIOR

#### FORECABIN

Two berths. Shelves and reading lights above the berths and storage space underneath. Aluminium alloy framed hatch to provide light and ventilation. Wardrobe with hanging pole and shelves. 12 V outlet.

#### FORWARD TOILET

The forward head is located by the fwd cabin and contains pressurised water, basin, handshower, shower curtain and marine pump type head. Septic tank and a pumpout fitting on deck. Inside the door on the ceiling, there is a curtain rail of aluminium. Ceiling light. Storage behind and underneath of basin. Finished in light laminate. One Dorade vent.

#### AFT TOILET

In spacious aft head, pressurised water and basin. The toilet is supplied with marine pump type head, Ceiling light. Mirror, handshower and opening port and curtain. Inside the door on the ceiling there is a curtain rail of aluminium.

#### SALOON / GALLEY

Dinette for up to eight persons, the table can be lowered to form a generous double berth. On port side a barlocker with a bottle rack, mirror in the rear and the barlocker doors have tin coating (cross-shaped). Space for radio and TV. Bookshelf. Storage beneath the settee. On starboard side a long settee with a shelf above and lockers. Pantry/galley, forward of dinette, is fitted with stainless steel double sink, two burner gas stove with oven (gimballed). Burners and oven have flame guards. Gas installation: one-piece copper pipe, flexible tubes at bottle, shutoff valves at stove. 100 l top loading 12 V compressor driven refrigerator. Plenty of working space of Duranit surface, several drawers, shelves and lockers. Cutting board. Drawers for silverware. Trash pail. One Dorade vent and four aluminium framed hatches on deck to provide light and ventilation to this area.

## PILOTHOUSE

The visibility is unimpaired to all directions through the aluminium framed safety glass windows. Steering position with instrumentation, echo sounder, log and engine instruments. L-shaped settee and table. Large navigation/chart table for full size charts, chart stowage under the lid. Switchboard next to chart table. Locker for handbooks etc. All instruments are illuminated. Chart light and head lights. Plenty of stowage, tools, life vests etc. under the deck. Two opening deck hatches. Two large sliding doors. Fire extinguisher. 12 V outlet.

## AFT CABIN

The owner's cabin contains a large double berth, tall lighted hanging locker. Head light and reading lights. Plenty of storage in lockers. Four openable hull windows make the cabin light and spacious. Two fixed windows at the stern. Hatch at aft. 12 V outlet.

## EQUIPMENT

Anchors and warps	1 x 35 kg (77 lbs) anchor, 1 x 20 kg (44 lbs) anchor. 5 m (16') chain, 2 x 50 m (2 x 164') warps.
Anchor box	One forward.
Bar locker	In saloon with bottle rack etc. Mirror in the rear.
Batteries	2 x 220 Ah for service and 1 x 180 Ah for start.
Bilge pump	Manual and automatic electric bilge pump.
Boarding ladder	At stern.
Bollards	2 forward and 2 aft
Compass	Suunto C95 outside
Depth sounder	Raymarine ST70
Electric outlets	12 V, in fwd cabin, aft cabin, wheelhouse and cockpit
Emergency steering	Direct to rudderstock.
Fairleads	Anodised alloy fairleads, 2 forward and 2 aft.
Fenders	4 fenders
Fire extinguishers	1 x 2 kg (4 lbs), 1 x 6 kg (13 lbs)
Gas storage	Storage with drainage for gas bottle starboard under step to aft deck.
Holding tank	Appr. 90 l with emptying from deck or to sea with el. pump.
Deckeyes	6 pcs for lifeline.
Horn	Electric marine horn with push button inside and outside.
Instruments	1 tachometer 1 engine oil pressure gauge 1 water temperature gauge 1 ampere meter, 1 volt meter 2 fuel gauges 1 engine hour meter 1 horseshoe type
Lifebuoy	Stainless steel stanchions, handrail of teak, gate on aft and starboard.
Life rails	Led-navigation and anchor lights according to international rules
Lights	Flood lights, 2 pcs Chart light in pilothouse Searchlight Lights in all cabins Reading lights at berths Indirect lights in galley and saloon
Log	Raymarine ST70 speed and distance recorder, trip recorder.
Mooring warps	4 x 15 m (4 x 49')
Navigation table	In pilothouse, storage space for charts.

## Refrigeration

Approx. 100 l insulated box, cooled by electric 12 V compressor.  
Gelcoat in hull color, 1 l, and set of spares.  
Stainless steel double sink in galley.  
Propane gas stove with two burners and oven, flame guards, gimballed.  
Start/stop switch  
1 signal horn push button on aft deck  
3 windshield wiper switches  
1 warning light for charging  
Warning signals for malfunction of engine oil pressure and engine temperatures (at both steering stations)

1 switch for pressurised water  
Switches for navigation and anchor lights

All instruments are illuminated and dimmed  
One forward, one aft, marine pump type toilets.

## Ventilation

Pilothouse is ventilated through two openable roof hatches and sliding doors.  
Galley, saloon, aft cabin and fwd cabin are provided with hatches. Openable portholes in aft cabin. Two Dorade vents in saloon and head.

## Pressurised water

Pressurised water in galley and toilets.

## Water tank

620 litres in stainless steel tank.

## Wash basin

In forward and aft toilets.

## Winch handles

1 x 8", 2 x 10" with lock.

## Windshield wipers

Three in front windows.

Nauticat Yachts Oy tries to improve its products by using the latest techniques and equipment while still maintaining the 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 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 variation 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 2008 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 comprises the traditional motorsailers, Nauticat 38 and 441. The sloops Nauticat 321, 351, 37, 385, 42 and 515 we call pilothouse sailboats.



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