

GENERAL

The Southerly 420 is supplied with CE certification and is built to EU specification and conforms to RCD, design category A. The hull is guaranteed against osmosis for 5 years from the date of manufacture.

HULL CONSTRUCTION

Heavy duty GRP moulding, hand laid up to Southerly's Nordseal laminating system incorporating multi-axial and unidirectional reinforcements. The keel box is an integral part of the hull lay-up and sandwich construction stiffening runs the entire length of the hull topsides. All main bulkheads are bonded into the hull at main lay-up stage along with a stiffening grillage of transverse frames and longitudinal stringers. The engine bearers are also an integral part of the hull structure. Solid GRP hull below the waterline.

- Ivory White gel coat
- Crimson Red & Midnight Blue boot top
- Midnight Blue stye lines
- Nordseal anti-osmosis system
- Clear gel coat below the waterline

DECK CONSTRUCTION

Hand laid up GRP. Sandwich construction. Heavily stressed areas are additionally reinforced with uni-directional glass reinforcement. The deck is bonded to the hull through the entire length and to all main bulkheads resulting in a strong and integrated unit.

- Ivory White gel coat
- Teak capping rail to hull to deck joint upstand
- Teak laid ring deck
- Access to sail locker from foredeck

VARIABLE DRAFT KEEL

The fixed ballast is an iron casting which acts as a grounding plate and as transverse and longitudinal stiffening member for the keel assembly. The fixed ballast casting is fitted into a recess in the hull and secured with multiple stainless steel bolts. The aerofoil shaped keel is cast iron and incorporates a stainless steel pivot at the leading edge which connects to the grounding plate. The keel is raised and lowered by a hydraulic ram powered by an electrically driven pump, also equipped with a hand operated back-up. All hydraulics are easily accessible for maintenance.

- Keel control and position indicator panel located at helm station
- Removable stainless steel pin, positioned to enable the keel to be locked in the 'up' position

ENGINE

- Yanmar 4JH5E 53 hp 39.6kW 4 cylinder, fresh water cooled, diesel engine
- Reduction/reverse gear
- 80 amp alternator
- GRP stern tube with water lubricated stern gland
- Stainless steel propeller shaft
- Bronze three bladed propeller
- Substantial skeg fitted on centreline to protect propeller and rudders when yacht is dried out. Skeg can accommodate stern thruster at additional cost

ENGINE (continued)

- Non metallic fuel tanks - capacity 288 litres/63 gallons, with sediment trap, selector manifold and line filter
- Non metallic water strainer with removable filter
- 12 volt electric ventilator
- Dedicated sound deadened engine compartment with door from aft heads compartment for maintenance

ELECTRICS

- 12 volt system
- Three heavy duty 100Ah batteries, charged from engine alternator; one for engine, two for domestic use
- Isolating switches
- Cabin lighting throughout
- Reading lights over bunks
- Chart light over navigation table
- Full navigation light system incorporating bow lights, stern light, masthead tri-colour light with all round white anchor light, deck flood light and steaming light
- Circuit breakers on main panel

WATER SYSTEM & PUMPS

- Pressurised hot and cold water system
- Mixer tap to galley sink
- Mixer tap in heads compartments
- Two non-metallic fresh water tanks - total capacity 545 litres/119 gallons
- Electric pressure pump
- Hot water provided by engine calorifier unit
- Electric sump pumps to shower trays
- One manual bilge pump
- Three electric submersible bilge pumps

STEERING

- Semi-balanced twin rudders
- Single 36" stainless steel cockpit wheel
- Cobra system
- Single lever engine control
- Emergency steering system
- Compass guard and 6 inch main steering compass

SPARS & RIGGING

- Selden fractional rig
- Double swept back spreaders
- Selden anodised aluminium spars, finished in silver
- Internal halyards
- 1x19 stainless steel wire standing rigging with swage toggle-fork chrome bronze rigging screws
- Backstay with manual tensioner
- Self tacking foresail
- Furler headsail reefing system
- Single line reefing led aft to cockpit for mainsail
- Solid kicker
- Gas strut upgrade at additional cost
- Main halyard
- Topping lift
- Kicker, jib sheet, main halyard, topping lift, outhaul and 2 reefs lead aft
- Jib halyard at mast
- Burgee and signal halyards
- Lewmar size 30ST winch on mast
- Mainsheet aft of cockpit
- Double headed masthead rig option with overlapping genoa at additional cost

SAILS

- Dacron sails
- UV protection strip to foresail
- Mainsail with four battens and mast sliders
- Mainsail cover
- Upgrade to laminate sails at additional cost
- Fully battened mainsail system with roller bearing cars or in-mast reefing at additional cost

COCKPIT

- Centre cockpit
- Self draining
- Laid teak to cockpit seats
- Laid teak to cockpit sole
- Cockpit table on forward side of pedestal
- Windscreen
- Lazarette locker to port and starboard
- Gas bottle storage in cockpit locker to starboard
- Perspex sliding hatch, vertically sliding wash boards with self draining housing
- Instrument panel above hatchway
- Two winch handle pockets
- Three safety harness eyes

DECK FITTINGS & LOOSE GEAR

- Mooring cleats forward and aft mounted on bulwark
- Spring cleats amidships mounted on bulwark
- Stainless steel stemhead fitting with twin bow rollers
- Foredeck locker
- Re-inforced area to take optional anchor windlass
- Stainless steel pulpit incorporating navigation light bracket
- Stainless steel stanchions and guardwires with gates port and starboard
- Stainless steel pushpit incorporating stern gate, navigation light bracket and ensign socket
- Single teak seats to port and starboard pushpit
- Good access aft for boarding via transom
- Telescopic stern boarding ladder
- Fuel and water deck fillers
- Self tacking foresail track with sheet to cockpit
- Turning blocks to take reefing lines
- Mainsheet track with control lines
- Three rope clutches to port and four to starboard, for running rigging
- One Lewmar 46ST winches at companionway
- Two Lewmar 46ST winch for mainsheet
- Stainless steel grab handles on either side of coachroof with integral mainsheet lead
- Optional sprayhood, attached to windscreen
- 20kg Delta anchor
- 10 metres of chain
- 30 metres of warp
- Three fire extinguishers
- Automatic fire extinguisher in engine space
- One fire blanket

WINDOWS, HATCHES & VENTILATION

- Six opening deck hatches, size 60 and size 10, over forecabin, size 20 over saloon, size 20 over chart table, size 00 over forward heads
- Two glazed opening ports in aft cabin coamings
- Two glazed opening port in aft heads coamings
- Glazed opening port in galley
- Two dorade and one fixed ventilator on deck serving heads and saloon
- Perspex main companionway hatch
- Pilot house windows and hull ports are tinted toughened glass, bonded into recesses in GRP mouldings
- Pilot house opening forward windows port and starboard are toughened tinted glass

INTERNAL JOINERY & UPHOLSTERY

Interior joinery is finished in solid cherry or mahogany and marine faced quality plywood as standard. Linings are fabric covered plywood or GRP as appropriate. Cabin soles are teak striped non-slip laminate. The choice of fabric is selected from Southerly's range.

ACCOMMODATION

The layout is in accordance with the general arrangement drawing. There are a total of seven berths with two in the forecabin, two in the aft cabin and three in the saloon (including double berth conversion to port). A further overlapping berth to forward cabin is available at additional cost.

GALLEY

- Twin stainless steel sinks
- Corian type worktop, Snow Pearl
- Pressurised hot and cold water
- Stainless steel grab rail
- Front loading stainless steel refrigerator
- Top loading freezer
- Fully gimballed gas cooker with three burners, grill and oven (fail-safe devices on all burners)
- Gas cut off tap
- Ample storage for crockery and cutlery
- Cupboards
- Opening ports
- Fixed hull port
- Overhead light

SALOON

- Seating for eight people
- Excellent vision
- Folding leaf table
- Stowage
- Bookshelf
- Two opening hatches
- Two front opening windows
- Two fixed portlights
- Overhead lights
- Concertina blinds to pilot house windows at additional cost
- Overhead lights
- Pull out double berth conversion to port seating

NAVIGATION AREA

- Chart table to starboard with excellent visibility
- Seat
- Instrument console forward of chart table
- Chart stowage under hinged lid
- Locker spaces
- Opening hatch
- Overhead lights
- Chart light
- Main switch panel
- Oilskin locker under companionway steps

INTERIOR LAYOUT



AFT CABIN

- Large centreline double berth
- Upholstered seats port & starboard
- Two corner lockers
- Large hanging locker to port
- Shelf
- Two opening portlights
- Opening hatch
- One fixed portlight
- Overhead lights
- Two reading lights
- Concertina blinds
- Access to steering gear

AFT CABIN ENSUITE

- Marine w.c.
- Washbasin with Corian type surround
- Hot and cold pressurised water
- Separate shower with seat and hinged door
- Electric shower pump
- Grating to shower tray
- Lockers
- Mirror
- Glass holder
- Opening portlights

FORECABIN

- 'V' berth, two long single berths
- Infill to convert to a double
- Large hanging locker
- Large shelved locker
- Two full length shelves with lockers
- Two fixed portlights
- Two opening hatches
- Overhead lights
- Two reading lights
- Curtains

FORWARD HEADS

- Marine w.c.
- Washbasin with Corian type surround
- Hot and cold pressurised water
- Grating to shower tray
- Electric shower pump
- Opening hatch
- Lockers
- Mirror
- Glass holder
- Ventilation

ON THE WATER

- Mast stepped, rigged, sails fitted
- Fully commissioned
- Launched at Itchenor
- Tested and sea trialed
- A full days familiarisation sailing handover
- Antifoul
- 4 Fenders
- 3 Warps
- Boat hook
- Ensign & Staff
- Gas Bottle

RECOMMENDED OPTIONS

- Raymarine navigation equipment
- Stainless steel removable bowsprit
- Asymmetric gennaker
- Sprayhood
- Bowthruster

USA SPECIFICATION

Yachts built to USA specification will include holding tanks as standard, 110 volt ring main with immersion heater element and 12 volt DC cable.

DIMENSIONS

Length overall	12.86 m	42 ft 2 ins
Length waterline	11.11 m	36 ft 5 ins
Beam	4.03 m	13 ft 3 ins
Draft Keel up	0.84 m	2 ft 9 ins
Draft Keel down	2.72 m	8 ft 11 ins
Displacement	11,800 kg	26,000 lbs
Ballast Weight	2,037 kg	4,491 lbs
Keel Weight	1,493 kg	3,291 lbs
Total Ballast	3,530 kg	7,682 lbs
Air draft	18.73 m	61 ft 5 ins

SAIL AREAS:

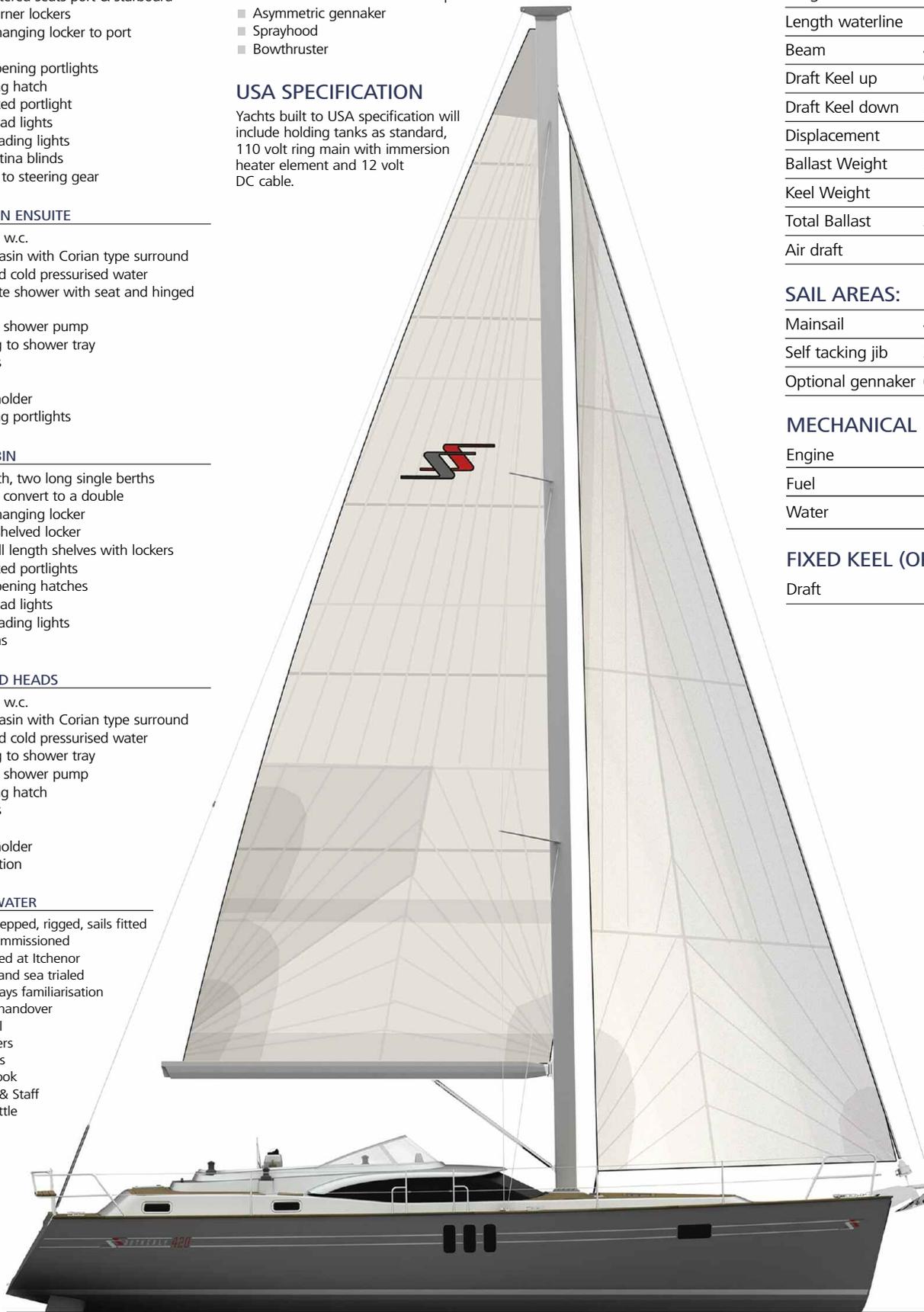
Mainsail	43.83 sq m	472 sq ft
Self tacking jib	30.18 sq m	325 sq ft
Optional gennaker	68.62 sq m	738 sq ft

MECHANICAL

Engine	Yanmar 4JH5E 53 hp	
Fuel	288 litres	63 gallons
Water	545 litres	119 gallons

FIXED KEEL (OPTIONAL)

Draft	2.00 m	6 ft 7 ins
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DECK LAYOUT

