

# St Francis 50 MKII

## Standard Boat Sail Away

### Equipment List

09 June 2020

#### **HULL**

Vinyl ester (Epoxy based resin) infused Core cell foam sandwich  
E-glass stitched quadriaxial non-crimp fabric throughout construction  
All strong points Carbon Fibre reinforced  
Aluminium Vinyl rubbing strake with inlay on hull/deck joint  
Awlgrip Epoxy coatings Spray system (White)

#### **DECK**

Revised Deck profile to allow for Flush Deck Hatches  
Vacuum bagged - Hand laid-up foam core, quadriaxial non crimp fabric  
ISO NPG gel coat, Vinyl ester resin throughout  
All strong points Carbon Fibre reinforced  
GRP Deck lockers to fit 2 x paddleboards Port & Starboard  
GRP squared cockpit seats Port & Starboard

#### **RUDDERS, TILLER ARMS & BAR**

Balanced spade rudders reinforced to take drying out / storage  
Anodised Aluminium Tiller arms  
Matching Ertalyte rudder bearings (Inner size 72mm) - (Outer size top 95mm - bottom 100mm)  
S/steel Emergency tiller arm with stainless steel access hatch, removable with winch handle

#### **STEERING**

Lecomble & Schmidt Hydraulic Steering System  
Destroyer type 32" - 5 spoke - S/steel leather covered steering wheel  
Hydraulic bulkhead steering Smart pump with Lecomble & Schmitt rams

#### **ENGINES (EPA Tier 3)**

2 X Yanmar 4JH57-Cr 57HP with SD60 Sail Drives  
2 x Vetus raw water filters  
2 X Yanmar B-25 instrument Panels  
2 x Vetus Exhaust systems  
2 x Exhaust Anti-siphon valves  
2 x Rule Engine compartment extraction blowers  
2 x Fireboy - Xintex #MA0450NVC Manual / Auto Gas Filled automatic fire extinguishers wth heat & smoke detectors aswell as audible & visible alarms  
2 x 1100 gph Rule Automatic Bilge Pumps with float switches and manual override switch, connected to audible & visual alarms  
2 x LED Lights in each engine compartment  
Cable Morse engine controls - Sea star SL3 Dual controls + cables  
GRP Engine beds and fitting  
Battery cables & connection  
Black Sondor sound seal (fire retardant, non absorbent CE approved)  
2 x Carbon Monoxide Monitors

#### **PROPELLERS**

2 x Gori 20" x 15" x 3-bladed left hand rotating folding propellers

#### **FUEL TANKS**

4 x 220 litre post-cured vinyl ester fuel tanks giving a total capacity of Approx. 880Litres (232 Gal.)  
2 x Stainless Steel deck fillers  
2 x Additional Racor fuel filters with water traps  
Fuel tank interlink to equalize all 4 tanks  
BEP Ultrasonic tank monitor system for 8 generic user inputs (2 diesel, 2 water, 2 holding tanks)

### **NEW ENLARGED UV REFLECTING SALOON WINDOWS / SLIDING DOOR**

Non-scratch 10mm grey UV anti-sun armour plate glass to large areas, 6mm to balance  
2 x ST 2 flush portlight incorporated in the Centre two Forward Saloon Windows for ventilation  
Fixed 10mm anti-sun toughened glass windows 2 Fwd cabins, 2 x amidships & 4 x Aft Cabins

### **DECK FITTINGS**

2 x Stainless steel pushpits with seats  
2 x Stainless steel pulpits with double seats  
8 x 750mm/ 29.5" high double wire S/steel stanchions S/steel guard wires with gates  
9 x Stainless steel hand rails (coach roof, bimini top and cockpit)  
10 x Large Mooring cleats - 4 x aft - 2 x mid - 2 x fwd & 2 x crossbeam  
3 x Winch handle pockets - 1 x Port, 1 x Stb cockpit and 1 x at mast  
Stainless steel boarding ladder – located on port side transom  
Trampoline with adjustable tension UV stretch cords  
Stainless Steel Mast Gooseneck conduit 38mm  
Transom GRP Steps for easier access to deck from swimming platform  
Swimming platform GRP / Carbon Fibre deck extension for additional walkway / dingy storage

### **TARGA WING, HARDTOP & SCREEN**

Bimini top with rain catchment system & Y-valves  
Space to accommodate solar panels - up to a total of 6 X 327 Ah panels  
Forward Windows 2 x fixed windows & 2 x Opening windows (The 2 outer windows of the 4)  
2 x size 60 hatches Port & Starboard to view sails & for additional ventilation  
Stainless Steel Vetus Windscreen Wiper system Starboard Side hard top window at helm

### **HATCHES AND PORTLIGHTS (LEWMAR)**

2 x size 65 Ocean Hatches (forepeak Sail Lockers)  
8 x size 54 Flush Hatches 3G ( 4 x fwd cabins, 2x aft cabins, 2x amidships )  
2 x size 54 Flush Hatches 3G with stays (saloon)  
2 x size 41 Flush Hatches 3G (aft cabins transition)  
All Fitted with trim and fly screens and arranged for cross ventilation between saloon and cabins  
2 x size 60 Medium Profile Hatches in Hard Top to view sails & for cross ventilation  
2 x size 10 Flush Hatches 3G opaque white Aft cabin shower ventilation  
4 x size 40 Atlantic port lights (heads)  
2 x size ST 2 flush portlight incorporated in the Centre two Forward Saloon Windows  
1 x size 2 port light (behind mast)  
2 x Goyot Secural multi hull Escape hatches (Inner hull Port & Starboard)  
Oceanair Skysol Skyscreen Blinds to Size 54 main hatches, saloon, cabins, study & galley

### **WINCHES (LEWMAR)**

2 X 65 ST 2 speed ( Manual Aluminium Self Tailing) Primary Winches  
1 x 50 ST (Manual Aluminium Self Tailing) main traveller & roller furling Winch  
1 x 50 ST (Manual Aluminium Self Tailing) halyard & boom extension Winch at mast  
3 x 10" lock in handles  
1 x Maxwell 25/2500 Electric Anchor windlass

### **MAIN SHEET SYSTEM**

1 x Traveller track - 32mm  
Traveller car 4 tons  
Traveller controls and tackle  
1 x Lewmar Double traveller jammer 10-12mm  
Mainsheet Harken: 5 x 75mm single ESP blocks  
4 x 75mm single ESP upstands  
2 x Lewmar Mainsheet jammers 12-14mm double

## **GENOA SYSTEM**

2 x 1.8m tracks with stop ends  
2 x Genoa Cars  
2 x Lewmar Genoa Jammers – 12-14mm  
1 x Lewmar Roller furler jammer – 8-10mm  
2 x 57mm ESP Foot blocks  
1 x 57mm ESP Single Block

## **MAST, SPARS AND RIGGING**

Sparcraft Aluminium Anodised mast, boom, forward cross beam & Compression strut with walkway  
Boom Extension for Dingy Lift  
Pro furl C430 furling gear  
Boom Vang support  
Capshroud chainplate  
Harken Battcar System "C"  
LED Spreader lights  
All Navigation lights LED  
Shakespeare UFO TV Antenna  
Bow Prod & Housing  
Profurl Screecher furler - Nex5.0 manual continuous line (Top down)  
Radar Bracket  
Additional Conduit for SSB

## **RUNNING RIGGING**

1 x main sheet with tackle  
2 x Genoa sheets  
5 x halyards : main, Genoa, baby stay, topping lift

## **SAILS**

**Main Voyager**– 87.6 sq. m / 943 sq. ft. Fibrepath - Membrane fabric  
fully battened with lazy jacks & stackpack (logo on stackpack)  
**Furling Genoa** Fibrepath - Cruising Voyager– 53 sq. m / 572 sq. ft. Membrane fabric  
Complete with UV strip & sea foam flattener  
**Storm Jib Cruising** – 14.72 sq. m/158 sq. ft. Fabric Dimension C Breeze  
**Gennaker** – 200 sq. m/2155 sq. ft. Contender Maxilite 150  
**Cruising Screecher** - Tri-radial - Endurance 107.71 sq. m

## **GENAKER SYSTEM**

Mast Halyard  
2 x 100mm ESP foot blocks aft  
2 x 75mm stand-up blocks in bows  
12mm sheets

## **PAINTING**

Interior paint - Primer - Awlgrip  
Exterior hulls & Heads – Awlgrip epoxy paint system (White)  
Sign writing – professional - BOAT NAME - to owners requirements  
All woodwork 4 x coats UV resistant extra hard Luxor 2K clear coat (Satin)  
Anti-fouling – 4 coats Gelshield 200 (2 grey & 2 green) & 3 coats Interspeed Ultra 300 (dark blue)

## **LIGHTS 12 VOLT LED:**

- o 8 x Port hull, forepeak, cabins, heads, dressing room
- o 9 x STB hull, forepeak, cabins, heads, dressing room
- o 4 x Engine Compartments, night lights
- o 11 x Saloon, Nav station, galley
- o 18 x Cockpit, transom steps, swim lights
- o 8 x Reading lights in Port fwd & aft and STB fwd & aft cabins with USB input
- o 6 x navigation, steaming, sailing
- o 12 x White / Red switchable under cupboard night lights

## **12 VOLT OUTLETS:**

- o 3 x Nav Station, Stb Cubby hole & helm

## **AC OUTLETS:**

o 11 x Cabins, galley, dressing room, passage, nav station, saloon

## **AC APPLIANCE OUTLETS**

6 x Hot water heater, hob, TV, microwave, computer & printer  
1 x Main Genset battery control switch Port aft cabin  
2 x Main Engine battery control switches 1 x STB aft cabin & 1 x Port aft cabin  
1 x Main House Battery control switch at NAV  
Circuit breakers for Winches, Windlass, Watermaker, 12V DC & 4 x C-Zone zones in locker under NAV

## **SHORE POWER - 110V**

2 X 32 Amp - 110V s/steel easy lock inlets

## **ELECTRICAL & POWER GENERATION**

2 x Sun Power E20 Solar panels (2 x 327 watt , total 654 watts) & Smart Solar 75/15 MPPT  
Kohler Genset 115V 8.5 kW @ 60Hz  
Victron Quattro Inverter  
Victron Skylla TG  
Victron Octo Colour Control GX Display  
2 x Prosafe Galvanic isolators FS 60  
1 x Marine BEP 12 volt DC distribution board with DC System monitor  
1 x Marine BEP 110 volt AC distribution board with AC System monitor  
12V MDSVR Emergency parallel switches located in aft cabins

## **BATTERIES**

Engines - 2 x 12V / 130 Amp/hour AGM deep cycle batteries- can be switched independently or together  
House bank - 3 X 12.8V 200Ah smart LiFePO4 Lithium Batteries  
Generator - 1 x 12v / 130 Amp/hour AGM deep cycle battery

## **LPG GAS**

1 x Gas monitor & alarm  
1 x Regulator  
2 x 9Kg cylinders New glass fibre type

## **NAVIGATION INSTRUMENTS**

Ray 73 VHF radio with integrated GPS & AIS receiver  
Raymarine Axiom 7 touchscreen MFD  
Raymarine Digital Switching  
Raymarine Axiom 12 touchscreen MFD  
Evolution EV400 Autopilot with p70s Control Head  
i70s System Pack with i70s Colour Instrument & wind Instrument  
Quantum Q24C 18" Radar with 15m Data & 15m power Cable  
ACU 400 Auto Pilot Actuator Control Unit  
DST 400 Triducer  
Wind Vane  
EC1-100 Universal engine & control interface

## **ANCHORAGE AND MOORING**

1 x 33kg Rocna anchor  
50 metres 10mm test chain  
50m x 18mm anchor warp  
1 x 5kg FX 16 - Fortress anchor, 10m x 8mm chain  
30m 16mm warp, 16mm mooring warps 3 x 9m 3 x 16m  
6 x cylindrical fenders  
Para anchoring & Anchor Bridle mounting points on crossbeam  
Chain Counter  
Anchor Bridle

## **PLUMBING**

4 x Grey Water Shurflo Pumps  
2 x 275L (73 gal) holding tanks & electric Macerator pumps (BEP monitored)  
2 x Shurflo Fresh water pressure pumps  
2 x Whale Manual Bilge Pumps  
4 x1100 gph Rule Electric bilge pumps with float switches and alarms  
1 x 40L Calorifier (hot water heater) with element and thermostat, Starboard aft Cabin

## **HEADS**

### **Port Forward Head**

White GRP Vanity Cabinets, Corian tops with faucet and stand alone white basin  
Extra GRP Cabinets with Corian top  
Single Shower with seat & Plexiglas Shower door  
Dometic Electric Toilets Fresh/salt water flush  
Seat to double as a step to forward storage & shower compartment  
Window Blinds

### **Starboard Forward Head**

Double Shower with Plexiglas Shower door  
White GRP Vanity Cabinets, Corian tops with faucet and stand alone white basin  
Extra GRP Cabinets with Corian top  
Dometic Electric Toilets Fresh/salt water flush  
Window Blinds

### **Port Aft Head**

Shower - Bi-fold sliding shower door  
White GRP Vanity Cabinets, Corian tops with faucet and GRP flush mount white basin  
Dometic Electric Toilets Fresh/salt water flush  
Size 10 Flush Hatches 3G opaque white Aft cabin shower ventilation  
Window Blinds

### **Starboard Aft Head**

Shower - Bi-fold sliding shower door  
White GRP Vanity Cabinets, Corian tops with faucet and GRP flush mount white basin  
Dometic Electric Toilets Fresh/salt water flush  
Size 10 Flush Hatches 3G opaque white Aft cabin shower ventilation  
Window Blinds

## **WATER TANKS**

2 x Tanks 675 litres each total capacity 1350 litres (360gal)  
2 x S/steel deck fillers  
2 x Water tight Whale clear inspection hatches  
2 x Ultrasonic Tank tender gauges (BEP monitored)

## **INTERNAL JOINERY & FINISHES**

Maple with a Satin finish  
All construction in foam sandwich/marine ply and bonded to the hulls

## **CABINS**

### **STB Forward Cabin**

Queen size bed & mattress  
Flooring - Vinyl  
Cupboards & vanity  
2 x Stainless Steel hand rails alongside beds  
2 x side trays  
Chest of drawers  
Overhead cupboard above chest of drawers  
Wooden overhead locker above head board  
Headboard to fit - 1570mm x 840 to (930) Vinyl  
Cabin seating with backrest - Vinyl  
Window Blinds  
Caframo Sirocco Gimballed Fan

### **Port Forward Cabin**

Queen size bed & mattress  
Flooring - Vinyl  
Cupboards & vanity  
2 x Stainless Steel hand rails alongside beds  
2 x side trays  
Wooden overhead locker above head board  
Headboard to fit - 1570mm x 840 to (930) Vinyl  
Cabin seating with backrest - Vinyl  
Window Blinds  
Caframo Sirocco Gimballed Fan

### **Port Aft Cabin**

Queen size bed & mattress  
Cupboards  
Flooring - Vinyl  
Overhead locker above windows  
Child size bed & mattress  
Storage space for cockpit cushions  
Headboard to fit - 1410mm x 500 to (600) Vinyl  
Cabin seating with backrest - Vinyl  
Oceanair Side Window Blinds & Roller Blinds to Aft Cabins transition port lights  
Caframo Sirocco Gimballed Fan  
Webasto FCF Platinum 16000 BTU unit with 50/60Hz cycle - 115V

### **Starboard Aft Cabin**

Queen size bed & mattress  
Large cupboards next to bed  
Cupboards & under cockpit storage cupboards for seats, etc.  
Flooring - Vinyl  
Overhead locker above windows  
Lockers next to bed  
Headboard to fit - 1410mm x 500 to (600) Vinyl  
Cabin seating with backrest - Vinyl  
Oceanair Side Window Blinds & Roller Blinds to Aft Cabins transition port lights  
Caframo Sirocco Gimballed Fan  
Webasto FCF Platinum 16000 BTU unit with 50/60Hz cycle - 115V

## **SALOON**

Large raised seating / dining area with a fixed table that can accommodate 8 people  
Leather Seats  
Chart table with locker & cupboards  
Instrument panel - covered with PCB - Black - Carbon Fibre Look Vinyl  
Cabinet under mast step  
Vinyl Ceiling Liners - (White)  
Dashboard under windows - Vinyl  
Flooring - Vinyl  
43" Flat Screen TV  
Caframo Sirocco Gimballed Fan

## **GALLEY**

4 Burner stainless steel gas hob and oven -  
1 x 115L Minus-40 12V 110/220v deepfreeze in Port side companionway  
1 x 190L Isotherm S/ Steel double drawer fridge  
Double sinks with Pull-out mixer tap, along side drying cupboard with electric fan  
Corian chopping boards to cover sinks when not in use  
Trash hole with cover integrated in galley top for ease of cleaning  
Ample cupboard & drawer space  
Solid Surfacing tops (Corian )  
Flooring - Vinyl  
Cupboard in galley next to small spice rack  
Draw under Deepfreezer  
Spice Rack  
Large sliding window in galley for access between Galley & Cockpit dining area  
Cupboard above deepfreeze  
Locker under microwave - light smoke grey Perspex

## **COCKPIT**

Cockpit table  
Step at Helmsman seat  
Double helmsman seat with footrest  
Cockpit gates  
Large covered sump & cockpit drain areas to keep cockpit dry  
Life raft locker  
2 x Rod Holders at sides of entrance to cockpit  
SAS Category A Sailing Vessels (vessels operating any distance from shore)  
Fresh water hot & cold shower at transom  
Cold box in Stb aft cockpit locker with drain  
Deck wash fresh & salt water Foredeck  
Deck wash fresh & salt water Transom