



ST FRANCIS 50 - STANDARD BOAT

1 August 2023

4 Cabin Version Or
3 Cabin Owners Version

110v Version Or
220v Version

HULL, DECK, HARDTOP & RUDDERS

HULL

New vertical Bow profile
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 fender rubbing strake with pvc inlay on hull/deck joint
4 Coats Osmosis Protection Epoxy Primer
2 Coats Awlgrip Epoxy coatings Spray system (Matterhorn White)
2 Coats Awlgrip Epoxy coatings Spray system (Navy Blue) Waterline Stripe
Four blocks of pine with attached rope to protect rub rails when lifting

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
GRP squared cockpit seats

BIMINI HARDTOP, SCREEN & COCKPIT AREA

Standard Height Hardtop Bimini
Rain catchment system & Y-valves in Targa support arches
Space to accommodate solar 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 in Bimini Roof to view sails & for additional ventilation
Stainless Steel Vetus Windscreen Wiper system Starboard Side hard top window at helm

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 & PROPULSION

STEERING

Lecomble & Schmidt Hydraulic Steering System
Destroyer type 32" - 5 spoke - S/steel leather covered steering wheel
1 x Hydraulic bulkhead mount steering Smart pump with 2 x 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 as well as audible & visible alarms at helm
2 x 1100 gph Rule Electric Bilge Pumps with float switches and manual override switch, connected to audible & visual alarms at helm
2 x LED Lights in each engine compartment

Seastar engine controls - Sea star SL3 Dual control + cables
GRP Engine beds
Battery cables & connection
Black Sondor sound seal Black (fire retardant, non absorbent CE approved)
2 x Carbon Monoxide Monitors

PROPELLERS

2 x Gori 20" x 16" x 3-bladed left hand rotating folding propellers

FUEL TANKS

4 x 220 litres (58 gal) post-cured vinyl ester fuel tanks giving a total capacity of approx. 880 litres (232 gal)
Inspection covers on top of each Fuel Tank
2 x Stainless Steel deck fillers
2 x Racor 500MAM fuel & water filters
Fuel tank interlink to equalize tanks
WEMA tank monitor system for 8 generic user inputs (2 diesel, 2 water, 2 holding tanks + 2 spare)

ELECTRICAL

LIGHTS 12 VOLT LED:

8 x Port hull, forepeak, cabins, heads, dressing room
9 x STB hull, forepeak, cabins, heads, dressing room
4 x Engine Compartments, night lights
11 x Saloon, Nav station, galley
18 x Cockpit, transom steps, swim lights
8 x Reading lights 2 in each Cabin with USB input
6 x navigation, steaming, sailing
12 x White / Red switchable under cupboard night lights

12 VOLT OUTLETS:

3 x Nav Station, Stb Cubby hole & helm

AC OUTLETS:

11 x Cabins (4), galley (2), dressing room (1), passage (2), nav station (1), saloon (1)

AC APPLIANCE OUTLETS

6 x Hot water heater, hob, TV, microwave, computer & printer
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, 12/24V DC & 4 x C-Zone zones in locker under NAV

SHORE POWER - Dual 110V/240V

Shore Power Cables 110V/10mm 220V/6mm - 3 Core x 15 Metres

ELECTRICAL & POWER GENERATION

2 x Sun Power Maxeon Solar panels (2 x 400 watt , total 800 watts) each with Smart Solar 75/15 MPPT

Victron Quattro Inverter/Charger 12/5000/120
Victron Multiplus 12/5000/120
Victron Octo Colour Control GX Display
2 x Prosafe Galvanic isolators FS 60
C-Zone digital switching system with 5" screen
1 x DC distribution board with DC System monitor
1 x AC distribution board with AC System monitor

BATTERIES

Engines - 2 x 12V / 220 Amp/hour Victron AGM deep cycle batteries
House bank - 2 X MG LFP 25,6V / 280Ah / 7200Wh Lithium Batteries

PLUMBING

PLUMBING

4 x Grey Water Whale Pumps
2 x 275L (73 gal) holding tanks & electric Macerator pumps (WEMA monitored)
2 x Shurflo Fresh water pressure pumps
2 x Whale Manual Bilge Pumps
4 x 1100 gph Rule Auto Electric bilge pumps with float switches and alarms

1 x 40L Isotherm Calorifier (hot water heater) with element and thermostat, Starboard lazarette
Watermaker Spectra Catalina 340Z 14 Gal. 53 Litres per Hour

WATER TANKS

2 x Tanks 675 litres (178 gal) each total capacity 1350 litres (356 gal)
2 x S/steel deck water fillers
2 x Water tight Whale clear inspection hatches
2 x WEMA tank monitoring system

LPG GAS

1 x Gas monitor & alarm
1 x Regulator
2 x 9Kg cylinders

SALOON, GALLEY & CABINS

SALOON

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

GALLEY

4 Burner stainless steel gas hob and oven
1 x 160L Isotherm S/ Steel double drawer freezer
1 x 190L Isotherm S/ Steel double drawer fridge
Double sinks with Pull-out mixer tap, along side drying cupboard with electric fan
Trash hole with cover integrated in galley top for ease of cleaning
Solid Surfacing tops (Corian)
Flooring - Vinyl
Spice Rack
Large sliding window in galley for access between Galley & Cockpit dining area
Cupboard above deepfreeze
Locker under microwave - light smoke grey Plexiglass

CABINS

Starboard Forward Cabin (4 Cabin version)

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 - Vinyl
Cabin seating with backrest - Vinyl
Window Blinds
Caframo Sirocco Gimbal Fan
Step locker carpeted with 110v outlet & built in usb ports
Built in Safe under mattress

Starboard Forward Cabin (3 Cabin version)

Flooring - Vinyl
Cabin seating with backrest - Vinyl
Window Blinds
Caframo Sirocco Gimbal Fan
Office Desk with Swivel Chair
Settee with Backrest - Vinyl
Laundry Area
Large Shower area with twin shower heads

Starboard Aft Cabin (3 & 4 Cabin Versions)

Queen size bed & mattress
Large cupboards next to bed
Cupboards & under cockpit storage cupboards for cushions, etc.
Flooring - Vinyl
Open shelves above windows
Headboard - Vinyl
Cabin seating with backrest - Vinyl
Oceanair Side Window Blinds & Roller Blinds to Aft Cabins transition port lights
Caframo Sirocco Gimbal Fan
Webasto FCF PLATINIUM 16000 BTU A/C unit with 50/60Hz Rev cycle - 115V (Feeds entire Starboard side & Saloon)

Port Forward Cabin (3 & 4 Cabin Versions)

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 - Vinyl
Cabin seating with backrest - Vinyl
Window Blinds
Caframo Sirocco Gimbal Fan
Step locker carpeted with 110v outlet & built in usb ports
Built in Safe under mattress

Port Aft Cabin (3 & 4 Cabin Versions)

Queen size bed & mattress
Cupboards
Flooring - Vinyl
Open shelves above windows
Large cupboards next to bed
Storage space for cockpit cushions
Headboard - Vinyl
Cabin seating with backrest - Vinyl
Oceanair Side Window Blinds & Roller Blinds to Aft Cabins transition port lights
Caframo Sirocco Gimbal Fan
Webasto FCF PLATINIUM 16000 BTU A/C unit with 50/60Hz Rev cycle - 115V (Feeds entire Port side & Galley)

Port Forepeak

External Access through deck hatch
Half Door access from Shower
LED strip light
Forward collision bulkhead with removable access panel to Crossbeam mounting
Removable Bunk top with additional storage below.

Starboard Forepeak

Half Door access from Shower
LED strip light
Forward collision bulkhead with removable access panel to Crossbeam mounting
Removable Bunk top with additional storage below.

HEADS

Port Forward Head (3 & 4 Cabin Versions)

White GRP Vanity Cabinets, Corian tops with faucet and basin
Extra GRP Cabinets with Corian top
Single Shower with seat & Bi-fold sliding 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 (3 & 4 Cabin Versions)

Double Shower with Bi-fold sliding shower door
White GRP Vanity Cabinets, Corian tops with faucet and basin
Extra GRP Cabinets with Corian top
Dometic Electric Toilets Fresh/salt water flush
Window Blinds

Port Aft Head (3 & 4 Cabin Versions)

Shower- retractable shower door
White GRP Vanity Cabinets, Corian tops with faucet and GRP flush mount white basin
Dometic Electric Toilets Fresh/salt water flush
Window Blinds

Starboard Aft Head (4 Cabin Versions)

Shower- retractable shower door
White GRP Vanity Cabinets, Corian tops with faucet and GRP flush mount white basin
Dometic Electric Toilets Fresh/salt water flush
Window Blinds

COCKPIT

Cockpit table fixed height
Step at Helmsman seat
Double Helm Seat with Vinyl padded seat with adjustable back rest and locker under seat
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
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
Aluminium sliding door and window to saloon

FITTINGS, HATCHES & WINCHES

NEW ENLARGED UV REFLECTING SALOON WINDOWS / SLIDING DOOR

Non-scratch grey UV anti-sun armour plate glass
2 x ST 2 Black flush portlight incorporated in the Outer two Forward Saloon Windows for ventilation

Fixed 10mm anti-sun toughened glass windows. 2 x Fwd cabins, 2 x amidships & 4 x Aft Cabins in Hull sides

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 with Grey Dyneema Lines
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
6 x Carbon mooring line Chaff plates
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
Fixed GRP / Carbon reinforced Swim Platform

HATCHES AND PORTLIGHTS

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)
Hatch Trim & Flyscreens for 2 x Heads, 2 x Forepeak, 2 x Aft Transition & 1 x Behind Mast Portlight

2 x size 60 Medium Profile Hatches in Hard Top to view sails & for cross 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 Size 54 Multi hull Escape hatches (Inner hull Port & Starboard)
Oceanair Skysol Skyscreen Blinds to Size 54 main hatches, saloon, cabins, study & galley

WINCHES

2 X 50 ST 2 speed (Manual Aluminium Self Tailing) Primary Winches
1 x 46 ST (Manual Aluminium Self Tailing) main traveller & roller furling Winch
1 x 46 ST (Manual Aluminium Self Tailing) halyard & boom extension Winch at mast
3 x 10" lock in handles
3 x Winch handle pockets - 1 x Port, 1 x Starboard cockpit and 1 x at mast
1 x Maxwell HRC10-10 Electric Anchor Windlass for 10mm Chain or 16mm Rope

SAILS, RIGGING & ANCHORAGE

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 Single Spreader Standard Aluminium Anodised mast 71ft 3in above DWL, boom, forward cross beam & Compression post with walkway
Boom Extension for Dingy Lift (not for Furling Booms)
Profurl C430 Genoa furler
Boom Vang support
Capshroud chainplate
Harken Battcar System "C"
LED Spreader lights
All Navigation lights LED
Shakespeare UFO TV Antenna
Bow Prod & Housing
Radar Bracket

RUNNING RIGGING

1 x main sheet Marlow Double Braid 12mm X 40M with tackle
2 x Genoa sheets Marlow Double Braid 12mm X 16M
5 x halyards: main, Genoa, baby stay, topping lift, Code Zero
1 x 8mm Genoa Furling line
1 x 8mm Code Zero Furling continuous line

SAILS

Mainsail - North Sails Pinhead Tour Xi Norlam Xi11/09 Area 86sq.m 3 x Reefs 6 x Batterns
Fully battened with lazy jacks & stackpack (St Francis logo on stackpack)
Furling Genoa - North Sails Tour Xi Norlam Xi09 RopeLuff Pad & Roller Reef structure, UV Protection
Leech and foot 52.6 sq.m
Storm Jib - North Sails Polyester High Visibility 10oz Storm Orange Area: 14.24 sq. m

GENAKER SYSTEM

Mast Halyard Marlow Double Braid 12mm X 46M
2 x 100mm ESP foot blocks aft
2 x 75mm stand-up blocks in bows
12mm sheets X 2 Marlow Double Braid 12mm X 22M

ANCHORAGE AND MOORING

1 x 33kg Rocna galvanised anchor
100m x 10mm test chain
1 x 9kg FX 37 - Secondary Fortress anchor, 10m x 8mm chain & 30m X 16mm Mooring warp
16mm mooring warps 3 x 9m 3 x 16m

6 x cylindrical fenders & fender lines
Para anchoring & Anchor Bridle mounting points on crossbeam
Maxwell AA560 Chain Counter at helm
Anchor Bridle & Chain Swivel connector

ELECTRONICS

NAVIGATION INSTRUMENTS

B&G V60-B: VHF DSC Radio fixed mount with integrated AIS transmitter & Receiver, Wireless Handset support
B&G H60 Wireless handset for V60F radio
B&G NAC-3 Autopilot Core Pack, High current NC3 Autopilot computer, Precision 9 compass & RF-25 rudder feedback unit
B&G Triton Autopilot controller & 4.1" display pack
B&G Zeus S-12 and Halo20 + Radar kit
B & G WS 310 Wind Sensor
EC1-100 Universal engine & control interface

ENTERTAINMENT

43" Flat Screen TV

FINISHES

INTERNAL JOINERY & FINISHES

Maple with a Satin finish
All construction in foam sandwich/marine ply and bonded to the hulls
Corian tops colour White Onyx
Saloon Settee Vinyl Owner to select colour
All Flooring Belgotex Vinyl Owner to select colour
All ceiling panels Vinyl covered
Cabin Headboards Vinyl
Cabin Seats Vinyl
Dashboard panels Vinyl
Cabin Window surrounds Vinyl
Nav Station Carbon look Vinyl

PAINTING

Interior paint - Primer - Awlgrip
Exterior hulls & Interior - Awlgrip epoxy paint system (Matterhorn White)
Sign writing - professional - BOAT NAME - owner to supply artwork
All woodwork 4 x coats UV resistant extra hard Luxor 2K clear coat (Satin)
Anti-fouling International - 4 coats Interprotect (2 grey & 2 white) & 3 coats Micron 350 (dark blue)

SAFETY EQUIPMENT

SAS Category A Sailing Vessels Safety Equipment

8 x Life Jackets Orange 150N
2 x Lifebuoy (Jimbuoy) Complete Yellow
Danbouy Jonbuoy
4 x Handheld distress flares - Red
4 x Rocket flares - Red
2 x Floating smoke markers - Orange
Waterproof torch
Flag N
Flag Q
Flag V
Flag C
Life Raft Viking 8 Man
2 x Black Ball shapes - 400mm
EPIRB ACR 406M
3 x Fire Extinguishers - handheld 1.5kg
Capsize bottle - waterproof
2 x Space (emergency) blankets
Bosuns chair
4 x Safety harnesses - adult
Telescopic boathook
Portable bilge pump
Signal Mirror
Copy of Collisions Regulations

Nautical Almanac
Spotlight Rechargeable 12V
Sheet ID
Fog Horn
Compass Handheld
Signal Card
Galvanised Bucket 2L
Heaving Line 8mm x 30m
Light M4
Floating Light LED Torpedo
Anchor Drogue
Radar reflector Tubular 50mm
Plastic Bucket 5L
Toolkit
First Aid Kit Solas LFA 2
Bolt Cutter
Knife
1 set Wooden Bungs for Seacocks
4 x Pad Eyes & Jacklines
SAS Category C Safety Survey after Launch