

ST FRANCIS 46 - STANDARD BOAT

HULL, DECK, HARDTOP & RUDDERS

HULL

New reverse 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 Vinyl rubbing strake with inlay on hull/deck joint
Awlgrip Epoxy coatings Spray system (White)

DECK

All deck Hatches Flush mounted with drainage
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 Port & Starboard

TARGA WING, HARDTOP & SCREEN

Hardtop Bimini
Rain catchment system & Y-valves in Targa support arches
Rain catchment system
Space to accommodate solar panels - up to a total of 6 X 400 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

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

MECHANICAL

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 3JH40-CR 40HP 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
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 3 Blade fixed Propellers for Diesel Motors only

FUEL TANKS

2 X 300 litre post-cured vinyl ester fuel tanks giving a total capacity of Approx. 600 Litres
2 x Stainless Steel deck fillers
2 x Racor fuel filters with water traps
Fuel tank interlink to equalize tanks
BEP Ultrasonic 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 in Port fwd & aft and STB fwd & aft cabins 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, 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 Maxeon Solar panels (2 x 400 watt , total 800 watts) each with Smart Solar 75/15 MPPT
Kohler Genset 6EKOD 110V 6 kW @ 60Hz
Victron Quattro Inverter
Victron Skylla TG
Victron Octo Colour Control GX Display
2 x Prosafe Galvanic isolators FS 60
1 x BlueSea 12 volt DC distribution board with DC System monitor
1 x BlueSea 110 volt AC distribution board with AC System monitor

12V MDSVR Emergency parallel switches located in aft cabins

BATTERIES

Engines - 2 x 12V / 220 Amp/hour Victron AGM deep cycle batteries - can be switched independently or together

House bank - 2 X MG LFP 25,6V / 280Ah / 7200Wh Lithium Batteries

Generator - 1 x 12v / 220 Amp/hour Victron AGM deep cycle battery

PLUMBING

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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 x 1100 gph Rule Electric bilge pumps with float switches and alarms

1 x 40L Calorifier (hot water heater) with element and thermostat, Starboard aft Cabin

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)

LPG GAS

1 x Gas monitor & alarm

1 x Regulator

2 x 9Kg cylinders New glass fibre type

SALOON, GALLEY & CABINS

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 160L Isotherm S/ Steel double drawer freezer in Port Side Companionway

1 x 190L Isotherm S/ Steel double drawer fridge

Large sink 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

CABINS

Starboard Forward Cabin (Not for 3 Cabin version)

Island bed - 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 Gimballled Fan

Step locker carpeted with 12v outlet & built in usb ports

Built in Safe under mattress

Port Forward Cabin

Island bed - 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 Gimballled Fan

Step locker carpeted with 12v outlet & built in usb ports

Built in Safe under mattress

Port Aft Cabin

Island bed - queen size bed & mattress

Cupboards

Flooring - Vinyl

Overhead locker above windows

Large cupboards next to bed

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 Gimballled Fan

Webasto BLUE COOL S-SERIES 16000 BTU A/C unit with 50/60Hz Rev cycle - 115V (Feeds entire Port side & Ga

Starboard Aft Cabin

Island bed - 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 BLUE COOL S-SERIES 16000 BTU A/C unit with 50/60Hz Rev cycle - 115V (Feeds entire Starboard side & Saloon)

HEADS

Port Midships 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 Midships Head

Shower - Bi-fold sliding shower door

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Window Blinds

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

Aluminium sliding door and window to saloon

FITTINGS, HATCHES & WINCHES

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 Forward centre Saloon Window behind mast 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 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
Fixed GRP / Carbon reinforced Swim Platform with S/Steel supports, Stanchions & Guard Wires to fully enclose transom

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 Midship cabin shower ventilation
2 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 Multi hull Escape hatches (Inner hull Port & Starboard)
Oceanair Skysol Skyscreen Blinds to Size 54 main hatches, saloon, cabins, study & galley

WINCHES

2 X 55 ST 2 speed (Manual Aluminium Self Tailing) Primary Winches
1 x 45 ST (Manual Aluminium Self Tailing) main traveller & roller furling Winch
1 x 45 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

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 Standard Aluminium Anodised mast boom, forward cross beam & Compression post with walkway
Boom Extension for Dingy Lift

Profurl C350 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
Profurl Nex5.0 Code Zero furler - manual continuous line (Top down)
Radar Bracket
Additional Conduit for SSB

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
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 xx sq.m 3 x Reefs 6 x Batterns
Fully battened with lazy jacks & stackpack (logo on stackpack)
Furling Genoa - North Sails Tour Xi Norlam Xi09 RopeLuff Pad & Roller Reef structure, UV Protection Leech and foot xx sq.m
Storm Jib - North Sails Polyester High Visibility 10oz Storm Orange Area: xx sq. m
Gennaker - North Sails G2 Cruising Nylon 150/250 xx sq. m with Snuffer
Code Zero - North Sails Stormlite 510/210 xx 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 anchor
50m 10mm test chain
50m x 18mm anchor warp
1 x 5kg FX 16 - Secondary Fortress anchor, 10m x 8mm chain
30m x 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

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 Zeus S-12 Chartplotter Steering Station
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

Wind Vane

EC1-100 Universal engine & control interface

ENTERTAINMENT

FINISHES

INTERNAL JOINERY & FINISHES

Maple with a Satin finish

All construction in foam sandwich/marine ply and bonded to the hulls

Corian tops colour Everest (3)

Saloon Settee Leather Owner to select colour

All Flooring Vinyl Twigg 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 (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)