



## FRIENDSHIP YACHT COMPANY

### FRIENDSHIP 53 SPECIFICATION AND STANDARD EQUIPMENT LIST

#### STRUCTURAL

- Hull:** Foam core construction using high density *Corecell* foam in topsides and hull bottom. The core is thermally treated and hand laid, using a low profile epoxy resin to minimize print-through. Knitted tri, bi, and uni-directional E-glass throughout hull. Main bulkheads are composite laminated with Marine Grade plywood. Two molded custom consoles for hydraulic controls and engine instruments. Molded recessed varnished teak sheer strake. Finished with owner's choice of standard *Awlgrip* colors.
- Deck:** *Corecell* PVC foam core, 25 – 30mm thickness and varying densities for hardware layout. Laminated with three layers bi and triaxial E-glass with one cover layer E-glass cloth. Finished with teak decks and owner's choice of standard *Awlgrip* colors for house top.

#### DECK AND DECK HARDWARE

- Deck:** All exterior decks are gelcoat finished to owner's choice of color. All vertical surfaces finished with glossy *Awlgrip*, cabin house top in *Awlgrip* nonskid, choice of colors.
- Cap Rail:** Varnished teak.
- Sheerstrake:** Recessed sheerstrake painted to match hull color.
- Anchor Locker:** Molded into foredeck with flush, hinged hatch top. Manually operated anchor launch with 55 lb. anchor, 60m of 9mm chain.
- Windlass:** *Lewmar* V2 electric anchor windlass with foot buttons and remote control.
- Chocks:** Custom cast stainless steel: two quarter chocks, four midships chocks, two bow chocks.
- Cleats:** Nine *Atwood* flush mounted mooring cleats with 4-bolt bases.
- Nosing:** Varnished teak.
- Ports:** Eight custom fixed elliptical ports in cabin trunk.
- Winches:** Two *Lewmar* self-tailing primary winches with 2.4:1/7.6:1 gear ratios and 48:1 power ratio.  
Two *Lewmar* electric 2-speed self-tailing halyard/centerboard/outhaul winches with 1.9:1/5.8:1 gear ratio and 40.2 power ratio.  
Four *Lewmar* lightweight 250mm lock-in handles with ball grips.
- Hardware:** Stainless steel *Antal* T-track with end fittings, genoa cars and sliders, organizers, screw-in padeyes, stoppers, silver anodized sheaves, and all electric buttons.
- Hatches:** Nine stainless steel deck hatches: custom lazzerette hatch, custom foredeck hatch, anchor locker hatch, forepeak hatch, life raft hatch and two cockpit hatches.  
Varnished teak companionway sliding hatch with removable varnished teak drop boards with outside opening, lockable clasp.
- Ensign:** 5' varnished teak flag staff and 6'x8' US yacht ensign commissioning flag.
- Accessories:** Four custom 12" x 24" line bins for halyard/sheet tails and four custom drink holders in cockpit with polished stainless steel lining.

#### EXTERIOR

- Trim:** Varnished teak cockpit coaming cap.  
Varnished teak cabintop nosing.  
Two varnished teak console tops.
- Cockpit Sole:** Natural teak.

Seating:	Molded cockpit seats finished with <i>Awlgrip</i> , choice of color. Port and starboard facing settees in cockpit, forward facing settee behind steering wheel. Two storage lockers under settees with hinged composite hatches.
Cushions:	4" total thickness. All cushions upholstered in owner's choice of <i>Perennials</i> or equivalent fabric (\$100/yard allowance).
Cockpit Table:	Custom varnished teak drop leaf table. Table top has hinged GPS and auto pilot, 12V socket, and insulated, drained cold beverage box with custom varnished teak covers. Stainless steel legs.
Steering Wheel:	52" stainless steel wheel with stainless steel rim and elkhide cover.
Pedestal:	Classic steering pedestal with thru-shaft break and Danforth classic style compass.
Stowage:	Storage areas under port and starboard settees. Sheet and halyard storage cubbies at base of each winch.
Scuppers:	Custom polished stainless steel: six in cockpit, four on deck, all with direct overboard drainage.

## INTERIOR

Interior Finish:	Standard two-cabin layout: satin varnished teak veneer on fore and aft surfaces, athwartship bulkheads smoky white Nevamar. Solid teak interior trim, locker frames, and corner posts with hand rubbed finish varnish.
Hull Ceilings:	White painted v-groove.
Overhead:	White painted v-groove.
Soles:	Varnished teak with black resin inlay.
Locker Doors:	Solid teak framed edge with satin finish varnished doors.
Drawers:	Solid teak with lift and pull drawer slides and custom bin pull handles.
Countertops:	<i>Corian</i> , in owner's choice of colors with radiused edges at fascia and teak fiddles.
Bulkheads:	Glossy white Nevamar.
Sinks:	Stainless steel bowl sink in galley, <i>Corian</i> sink in heads.
Faucets:	<i>Grohe</i> faucet in galley and two handled mixer taps in heads.
Shower:	<i>Grohe</i> hand-held shower unit mounted into bulkhead.
Drainage:	Shower unit to be fitted with sand blasted <i>Corian</i> pan with sump that drains to direct overboard discharge pump.
Fixtures:	Towel bar, soap dish, toilet paper holder, toilet brush, tumbler holder.
Microwave:	<i>Sharp</i> microwave/toaster mounted over counter in galley.
Stove:	Force 10 four-burner propane stove.
Refrigerator:	Custom built stainless steel insulated fridge and freezer recessed in galley countertop w/ 24VDC holdover system.
Berths:	All berths with 5" thick cushions. Stowage shelves and lockers above and below berths.
Fabric:	All upholstery to be owner's choice. Standard fabric allowance of \$100/yard.

## MECHANICAL

Engine:	<i>Volvo</i> D2 75 HP engine with SD50 sail drive. Fresh water cooling, <i>Racor</i> filter with one 80 amp. alternator and one 130 amp. alternator.
Gauges:	Custom stainless steel recessed engine instrument panel with <i>Faria</i> gauges for tachometer, oil pressure, fuel level, ammeter, tank level and voltmeter.
Gearshift:	Morse MV-2 single control gearshift and throttle near helmsman.
Fuel Tank:	160 gallon welded polyethylene fuel tanks with inspection/clean-out port located under cockpit sole and gauge on instrument panel.
Filter:	<i>Racor</i> fuel filter supplied.
Vents:	Vent line with <i>Racor</i> LG100 vent spillage filters.
Steering:	<i>Whitlock</i> drag and link steering system.
Propeller:	<i>Volvo</i> 20" dia. 4-blade bronze feathering prop.
Rudder:	Balanced, elliptical spade rudder constructed with uni-directional glass rovings and 4" diameter carbon fiber shaft with roller type rudder bearings.
Bilge Pumps:	Three automatic Rule bilge pumps and one cockpit operated <i>Whale</i> manual pump.

## **ELECTRICAL**

- House Batteries: Six 8G8D Endurant 12V DC batteries, 780 CCA @ 24VDCea.  
Additional battery bank available with four 12VDC 8G8D Endurant batteries, 560 CCA @ 24VDC ea. if necessary for added options.
- Starting Battery: One 12V DC 650 CCA Endurant battery.
- Distribution: Custom DC back lit panel with circuit breakers and battery condition meter.
- Alternators: Engine supplied standard alternator to charge starting bank, additional 175 amp alternator supplied to charge house bank. If generator chosen as option, standard alternator supplied with generator to charge generator start.
- Battery Switch: Battery bank switch with DC main breaker.
- Inverter: 24V DC / 120V AC Xantrex inverter to be switched on the main AC electrical panel.  
Inverter shall power all outlets (10 total).
- Interior Lights: Eight reading lights, fifteen dome lights, ten courtesy lights. Six dome lights with red/white selection switch.  
Engine room will have utility lights overhead.
- Exterior Lights: Masthead tri-color, bow, stern, steaming, and spreader lights down/up.
- 12V Outlets: One 12 V plug located in cockpit for search light use/ four interior.
- 110 V Outlets: Ten 110 V plugs located in interior.

## **PLUMBING**

- Water system: Hot and cold pressure water system to galley, heads and shower.
- Water Tank: Paragon Heavy duty water pump and accumulator.  
270 gallons of water capacity in two independently valved tanks.
- Water Heater: Seaward S-700 20-gallon tank to be powered by AC heating element charged off main engine.
- Toilets: Two fresh water electric toilets with overboard/holding tank discharge. Holding tank with overboard drain/pump out discharge.
- Bilge Pump: Three automatic 24V DC submersible bilge pumps mounted in recessed keel pockets.  
Pumps will discharge overboard at the waterline with vented loops. One manual Whale bilge pump operated from the cockpit.
- Sump Pump: *Rule* mini sump pump with direct overboard discharge.
- Thru-hulls: *Marelon* flush-mounted sea cocks below the waterline for engine, head and galley with double-clamped hoses.
- Fridge/Freezer: Grunert 24VDC Mariner system with 26-degree holdover plate in fridge and two zero-degree plates in freezer.

## **SPARS AND RIGGING**

- Mast: Aluminum with Awlgrip finish and three sets of airfoil spreaders, steaming light, internal masthead wire conduit, gooseneck and vang lugs, and halyard attachment step.
- Boom: Aluminum boom with fittings for double reef lines, vang lug, mainsheet bale and topping lift. One light at mid-boom and one at boom end.
- Mast Collar: Custom stainless steel mast collar with integral turning blocks for halyards.
- Standing Rig: Rod rigging with Navtec turnbuckles and stainless steel covers.
- Running Rig: 18mm braided main halyard, 18mm braided genoa halyard with eye splice to shackle to furler swivel, 18mm braided genoa sheets.  
Stainless steel genoa halyard adjustment on mast track.
- Chain Plates: Custom stainless steel chain plates, stem head and backstay tang.
- Boom Vang: Black anodized hydraulic *Navtec* vang.
- Backstay: Black anodized hydraulic *Navtec* backstay.
- Furler: Reckman RS2000-20 manual genoa furler led under deck to starboard side primary electric winch.
- Genoa Tracks: Two 8' x 1.25" *Antal* stainless steel T-tracks with two genoa lead blocks and two plunger pin stops with extra padeyes.

## **NAVIGATION**

Compass: 5" Ritchie binnacle mounted compass with red LED and protective cover.  
B&Gs: Two B&G Hydra 2000 full function displays in cockpit with two cabin repeaters, masthead wind sensor, depth, speed, temperature etc.  
GPS: Garmin 5208 system with touch screen plotter in cockpit table.  
Radio: One IC-M502 VHF radio in electrical locker.

## **PAINT AND FINISH**

Hull: Owner's choice of standard *Awlgrip* colors.  
Deck: Owner's choice of standard gelcoat colors.  
Bottom: Epoxy primed, painted with owner's choice of anti-fouling color.  
Boot Stripe: Single stripe, painted with owner's choice of *Awlgrip* color.  
Cove Stripe: Molded, painted with gold.  
Exterior Teak: Minimum of nine coats gloss finish varnish.  
Interior Teak: Gloss varnish.  
Boat Name: Name and hail port painted on transom in lettering/style of owner's choice.

## **OUTFITTING**

Eight dock lines.  
Four fenders with fleece covers.  
Boat hook mounted in forepeak.  
One engine spares kit and metric tool kit with necessities provided.

## **SAILS**

North Sails mainsail with traditional battens.  
North 110% genoa.

## **COMMISSIONING**

Boat cleaned, tested and delivered in the water in Portsmouth, RI.  
Full owner's orientation in Portsmouth, RI.

## **DOCUMENTATION**

Friendship53 Owner's Manual, all equipment manuals, complete set of construction drawings and all system's schematics.

**Specifications subject to change without notice.**