

TARTAN 5300

YACHTS

50 YEARS

Specifications and Features



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Sophisticated Designs • Exceptional Performance • Superior Value

At Tartan Yachts we have a passion to deliver the best sailboat owner experience possible. Our commitment to design and engineering is based on total performance. We don't believe that a simple superficial appeal to aesthetics is enough to serve the interests of our owners. Our designers, builders and sales team understand and appreciate that every yacht we build must be the best yacht we build. Most importantly we are committed to the next 50 years with the focus of simply making our customer experience the best the industry has to offer.

Hull

- NPG Isophthalic gelcoat
- Infused BPA modified epoxy hull
- Locally reinforced at high load areas
- Closed cell synthetic foam hull coring
- Resin infused hull laminated in "one shot" eliminating secondary bonding of structural materials
- Internal structural grid designed to carry rig and keel loads, glass taped into hull
- Watertight collision chamber at stem
- Watertight forward bulkhead
- UL and ABS approved, corrosion free Marelon flush thru hull fittings
- All hull penetrations made into solid fiberglass "core windows"
- Interior surfaces painted out with enamel gelcoat for aesthetics
- PPG Concept Acrylic Urethane topside finish in standard color selections
- Teak or PVC hull rub strake painted to match hull with stainless steel striker mounted at cove line
- Built to meet ABS Plan Certification
- Transferrable 15-year hull structural and blister warranty

Deck

- NPG Isophthalic gelcoat
- Two-color deck standard, white with sand molded non-skid
- Infused BPA modified epoxy deck
- CNC computer cut sealed end grain balsa coring
- Locally reinforced at high load areas
- All deck penetrations made into solid fiberglass "core windows"
- 6061 T6 aluminum backing plates added at lamination for all loaded hardware
- Inward facing hull flange with integrally molded 6061 T6 aluminum bar forming a full length backing plate for hull to deck joint
- Hull to deck joint fasteners, stainless steel to meet or exceed ABS standard for offshore use
- Hull to deck joint bonded with 3M 5200 adhesive sealant



Keel & Ballast

- 14,000 lb., 4% antimonial hardened lead casting
- Template ground for fit and maximum performance
- Faired and epoxy coated
- Ballast keel is through-bolted to hull with cast in place stainless steel bolts
- Keel bolt quantity and size exceed ABS standard for offshore use

Rudder & Steering

- Leather covered 54" wheel
- Stainless steel pedestal guard
- Single lever engine control with stainless steel handle
- 5" binnacle compass with stainless steel hood
- Engine controls mounted on pedestal
- High density, closed cell foam rudder blade with reinforced skins
- Autoclave cured carbon fiber rudder post with stainless steel bearing sleeves
- High-density, low-friction, self aligning roller rudder bearings
- Emergency tiller

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Ventilation

- (10) Stainless steel unlimited offshore CE approved deck hatches
- Oceanair SkyScreens on all deck hatches
- (12) Cabin side mounted stainless steel opening port lights with fly screens
- (2) Cockpit mounted stainless steel opening port lights with fly screens
- (4) 4" Chrome dorade vents with stainless steel guards
- (5) cabin fans
- Lexan sliding companionway hatch with fiberglass spray hood, solid teak hatch boards and trim
- Custom teak companionway hatch screen set

Engine & Mechanical

- 106hp (79 kw) Volvo diesel
- 24 volt 10.8 hp (8.0 kw) bow thruster
- 125 gallon (473.18 l) fuel capacity in aluminum tank with remote gauge
- Dual Racor fuel filter/water separators with change over valve
- 1-1/2" Lead-lined engine room insulation
- Engine room ventilation system with (2) thermostatically controlled fans
- Engine service access on all sides through opening floor hatch in main salon
- Folding four-blade propeller on stainless steel shaft with ShaftLok and flexible engine coupling
- Spurs shaft mounted line cutter
- Dripless shaft seal

Electrical

- Dedicated "Systems Room" with standing headroom and thermostatically controlled ventilation system
- 7.4kw, 1,800 rpm generator
- (4) 8D batteries (1020 amp-hour 24 volt house battery bank)
- (1) size 31 AGM engine & (1) size 31 AGM generator batteries
- (2) size 31 AGM bow thruster batteries
- 24 volt 110-amp high output alternator with smart regulator control
- 12 volt 150-amp high output alternator
- 24 volt 100-amp house battery charger
- 24 volt 20-amp & 30-amp Duo-Charge bow thruster chargers
- 2.5kw True sine wave inverter
- 50-amp 220 VAC input shore power with 50' cord set
- Shore power Smart-Y 50-amp - 2 x 30-amp adaptor cable
- 220/110 VAC metered distribution panel
- 24VDC metered distribution panel
- 50-amp 24-12 volt converter
- 12VDC system for non-24VDC use
- 12VDC outlets at helm and navigation station
- Electrical system monitor
- Remote controlled battery selector switches
- Electrical bonding system
- ABYC compliant color coded and labeled wiring throughout
- UL approved, stranded, tinned copper wiring
- Wiring bundled in PVC conduit with room for future installations
- All wiring chafe protected where it passes through internal structure
- Polished chrome and stainless steel LED interior lighting
- Recessed, dimmable LED spotlights in cabin overhead
- Automatic lights in hanging lockers, liquor locker and refrigerator compartments
- Service lighting in engine compartment and system room
- Service lighting in bosun's and lazarette lockers
- LED directional or shaded reading lights at berths and main cabin settees
- Interior, cockpit and transom door courtesy lighting
- Bulkhead mounted lighting switches for each cabin
- Cockpit and transom courtesy lighting
- USCG approved LED navigation lights
- 100 SF SSB ground plane molded into hull

Electronics / Entertainment

- (2) Raymarine i70 at companionway with wind, speed and depth
- Raymarine E120W widescreen multifunction display at helm
- Raymarine Raystar 125 Plus GPS receiver
- Raymarine Radar, RD418HD 4kw 18" high definition digital radome
- Radome installed on Scanstrut self leveling backstay mount
- Raymarine SR6 Sirius weather receiver
- Raymarine AIS250 AIS receiver
- Raymarine VHF radio with Ram remote at helm
- Raymarine Seatalk NG Backbone system
- Bose AM/FM/CD/DVD stereo with 5 cabin speakers and sub-woofer, second deck zone with 2 cockpit speakers and 2 RF zone remotes
- Main cabin concealed HD flat screen TV with electronic lift

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Galley & Plumbing

- 3 burner Force 10 gimballed LPG stove with oven and broiler
- Microwave oven in cabinet
- LPG sniffer with automatic shut off
- (2) 20# light weight composite LPG tanks in transom locker
- 24VDC hold-over plate refrigeration and freezer compartments
- Cherry faced cabinetry with raised panel access doors
- Cherry faced, dovetailed cutlery drawers
- Corian double basin sink with premium marine grade galley faucet and manual foot pump with swivel spigot
- Corian solid surface galley countertops available in any color
- Storage under galley sink through ventilated raised panel cherry doors
- Molded icebox with Corian solid surface counter top and 4" foam insulation, insulated front and top load access, insulated divider in box
- Hot and cold pressure water with service access to pump and plumbing
- 20 gallon (75 l) 110 volt hot water tank with engine heat exchanger
- Hot and cold cockpit shower
- Dual 24 volt water pressure pumps
- Dockside pressure water inlet
- 24VDC deck washdown at bow
- Polyethylene tubing and Whale mechanical fittings for freshwater plumbing
- All below waterline hose connections are double clamped with stainless steel hose clamps
- Premium marine grade hoses used throughout
- 239 gallons (904 l) of freshwater tankage in (2) tanks with distribution manifold and remote tank level gauges
- (2) Electric bilge pumps with automatic float switch with manual override
- (2) Bilge high water alarms

Heads

- Two marine heads: Both include separate shower stall with Plexiglas door and molded seat
- Showers drain to separate sumps with automatic electric pump for overboard discharge
- Vaccu-Flush marine toilet systems
- 30 gallon (113 l) holding tank for each head w/deck pump-out
- Holding tank remote level indicators
- Low odor premium marine grade sanitation hose
- Premium marine grade head faucets and shower mixers
- Corian solid surface countertops with solid surface sink bowls
- Utility storage under sinks through raised panel cherry doors
- Solid cherry face upper vanity cabinets with storage



Accommodation and Storage

- Forward cabin with queen-sized berth, (2) hanging lockers, extensive shelf lockers and (7) dovetail drawers
- Full width aft cabin with queen-plus-sized berth, (2) dressing tables, (2) hanging lockers, bureau with shelves and (6) dovetail drawers
- Crew cabin midship with upper & lower single berths, hanging locker and (4) dovetail drawers
- Quilted mattresses for all berths
- Furniture grade main cabin settees and seats with contoured cushions
- Main cabin fit with cherry cabinets and ventilated raised panel doors throughout
- Large storage areas outboard of main cabin seat backs
- Desk style navigation station to starboard with adjustable swiveling seat
- Navigation lockers with installation space for extensive electronics
- Three Cruisair air conditioning systems (16K, 16K & 14K BTU)
- Storage below berths
- Forward bosun's locker with separate divided chain locker
- On deck aft storage lockers
- (2) Cockpit sheet storage lockers with hinged lids
- Cockpit "glove box" with locking hinged lid

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Interior

- Structural fiberglass timbers bonded to hull to carry mast and keel loads
- Structural bulkheads bonded to hull and deck
- Cherry or pressure laminate faced bulkheads and risers
- SpaceAge composite sub-sole bonded to hull
- Solid stock cherry trim throughout
- Solid stock raised panel cherry passage doors in cherry door jambs
- Polished chrome mortised door lock sets
- Solid stock cherry cabinet faces throughout
- Positive lock polished chrome cabinet hardware
- Solid cherry face, dovetail joined, all wood drawers throughout
- Varnished, high gloss solid cherry main salon table with Tartan logo inlay
- Tongue and groove solid cherry hull ceilings
- Cherry battened, foam padded vinyl overhead, removable for access
- Varnished solid stock teak cabin sole with extensive access hatches
- Varnished solid teak handrails placed for security in a seaway
- Interior woodwork sprayed with satin finish lacquer varnish
- (5) Fixed hull mounted deadlights

- Custom Oceanair blinds for raised salon glass
- Oceanair blinds for all cabin portlights
- Selection of designer fabrics, Ultra Leather or Ultra Suede upholstery



Spars & Rigging

Mast

- Autoclave cured, prepreg carbon-fiber mast
- Finished with white acrylic urethane topcoat
- Tapered mast section for reduced weight aloft
- Tapered airfoil swept spreaders
- Custom designed carbon-fiber masthead with sheaves for 2 headsail halyards, 2 main halyards, spinnaker and reacher halyards
- Nitronic 50 rod rigging with calibrated closed body turnbuckles
- Hydraulic boom vang with cockpit control
- Hydraulic backstay adjuster with cockpit control
- Internal halyards
- Harken electric furling for genoa and reacher with helm mounted controls
- Custom designed stainless steel chainplate system ties to internal FRP structure and hull
- Masthead anchor light
- Steaming light with foredeck illuminator and stainless steel guard
- Windex masthead fly with light
- Mast wiring conduit
- VHF and TV masthead antennas
- Spartite mast sealing and chock system

Boom

- Forespar Leisure Furl 20/7 white aluminum furling boom with Harken preventer padeyes and LED cockpit light
- Furling line lead aft to electric cockpit winch
- Boom topping lift also usable as back-up main halyard

Running Rigging

- Low stretch genoa and reacher halyards
- (2) Low stretch main halyards
- Polyester double braid genoa and reacher sheets
- Double ended polyester double braid mainsheet
- (2) Main traveler control lines
- (2) Adjustable genoa track control lines

Sails

- Dacron full batten mainsail
- Dacron 108% Genoa
- Dacron 155% Reacher

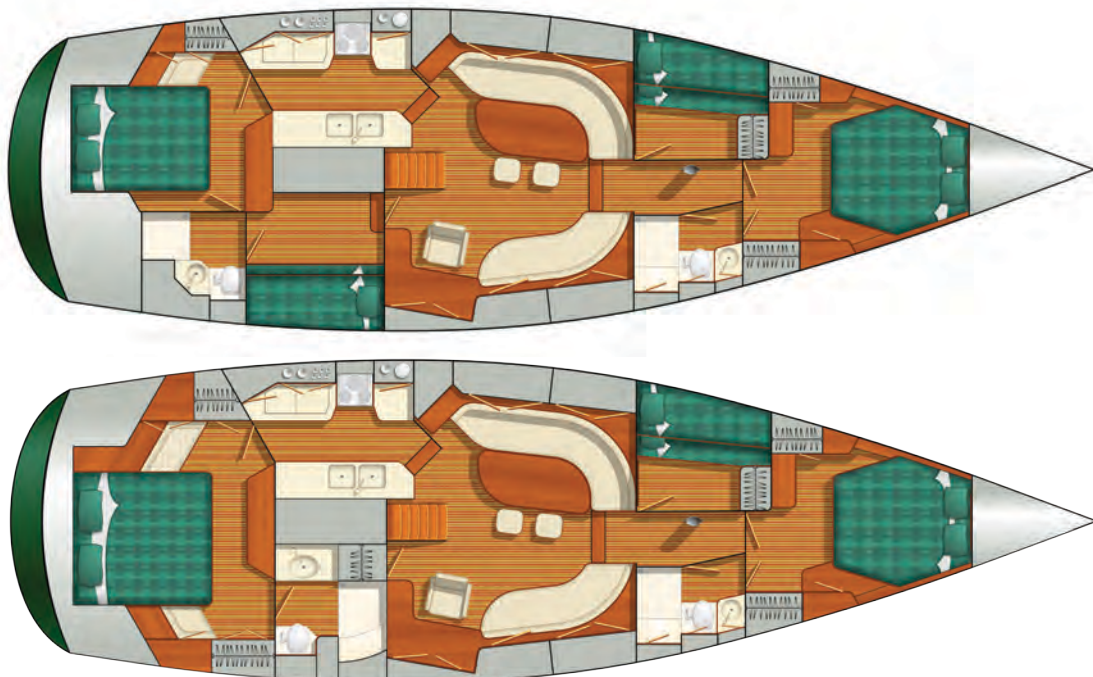
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Deck Hardware

- (2) Harken 70.2 STCE (self-tailing chrome electric) primary genoa winches
- (2) Harken 53.2 STCE (self-tailing chrome electric) mainsheet/secondary winches
- (1) Harken 48.2 STCE (self-tailing chrome electric) aft house-top winch for main halyard and main furling line
- (1) Harken 48.2 STC (self-tailing chrome) aft house-top for boom lift
- (1) Harken 48.2 C genoa and reacher halyard winch mounted on mast
- Polished stainless steel toerail mounted reacher sheet tracks with pin stop stainless genoa cars
- Inboard Harken adjustable genoa tracks with pin stop wide sheave cars
- (3) Harken aluminum winch handles
- Spinlock rope clutches for halyards and sail controls
- Harken aft lead over-the-top blocks
- Harken stainless aft lead foot blocks
- Harken turning blocks at base of mast for aft sail control leads
- Custom stainless steel mast collar with multiple attachments for blocks
- (2) 8" stainless cleats at cockpit house-top winches
- Double ended, four-part Harken mainsheet system led to (2) cockpit self-tailing electric winches
- Harken traveler with six-part control line adjustment
- 30" x 1-1/4" diameter stainless steel stanchions
- 30" x 1-1/4" tube double stainless steel bow rail with navigation light
- 30" x 1-1/4" tube double stainless steel split stern rail with navigation light
- 1 x 19 double lifelines with port, starboard, and transom boarding gates
- Custom stainless steel stem fitting with integral double bow rollers
- (6) Custom cast mooring chocks
- (6) Stainless steel 12" mooring cleats
- 4-1/2" x 1-3/4" teak cap rail through-bolted to hull flange



- Stainless fender line chafe guard on cap rail amidships
- (4) Cockpit-mounted folding padeyes for safety harnesses
- Companionway hatch seahood with instrument pod
- Port and starboard hinging cockpit combing walk-through for ease of access dockside
- CE unlimited offshore approved, chemically toughened, safety laminated, raised salon glass with 40% UV tint
- CE unlimited offshore approved stainless steel deck hatches
- CE unlimited offshore approved stainless steel port lights
- On deck drains to waterline discharge, eliminates hull streaking
- (6) House-top teak handrails
- Manual Whale Gusher 30 cockpit mounted bilge pump
- Drink holders in cockpit
- Teak cockpit table
- Teak cockpit sole and combings
- Large hinge-down swim platform with stainless steel swim ladder, teak decking and folding dingy mooring cleats



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Design Dimensions

LOA.....	53 ft (16.15 m)
LWL.....	46.5 ft (14.17 m)
Beam.....	16.1 ft (4.90 m)
Draft.....	6 ft 8 in (2.03 m)
Displacement.....	38,225 lbs (17,340 kg)
Ballast.....	14,000 lbs (6,350 kg)
Ballast/displacement.....	36%
Displacement/length.....	169

Rig Dimensions:

I Genoa.....	69.98 ft (21.33 m)
I Reacher.....	73.25 ft (22.33 m)
J Genoa.....	19.00 ft (5.79 m)
J Reacher.....	20.375 ft (6.21 m)
P.....	65.4 ft (19.93 m)
E.....	21.92 ft (6.68 m)
Bridge clearance.....	80 ft (24.38 m)

Sail area/displacement:

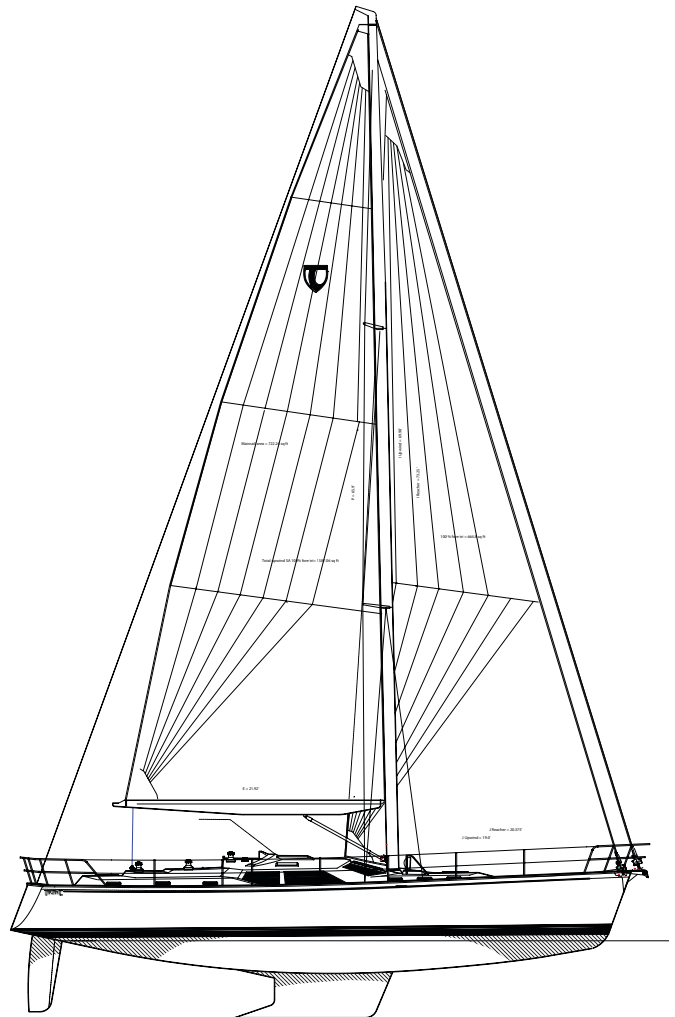
Genoa 100% fore triangle.....	19.47
Reacher 100% fore triangle.....	20.63

Sail dimensions:

Mainsail area.....	716.78 sq ft (66.59 sq. m)
100% fore triangle, Genoa.....	664.80 sq ft (61.76 sq. m)
100% fore triangle, Reacher.....	746.23 sq ft (69.33 sq. m)
Total upwind SA 100% fore tri.....	1381.58 sq ft (128.4 sq. m)
Total reacher SA 100% fore tri.....	1463.01 sq ft (135.9 sq. m)

Capacities:

Fuel.....	125 gal (473.2 l)
Water.....	250 gal (946.4 l)
Auxiliary.....	106 hp (79 kw)
Berths.....	6-8
Designer.....	Tim Jackett
CE approved for category "A" unlimited offshore	



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