

TARTAN[®] 4300

YACHTS

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 epoxy modified vinylester 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
- Interior surfaces painted out with enamel gelcoat for aesthetics
- Internal structural grid designed to carry rig and keel loads, glass taped into hull
- UL and ABS approved, corrosion free Marelon flush thru hull fittings
 - All hull penetrations made into solid fiberglass "core windows"
- Built to meet ABS Plan Certification
- Transferrable 15-year hull structural and blister warranty

Deck

- NPG Isophthalic gelcoat
- Infused epoxy modified vinylester deck
- CNC computer cut sealed end grain balsa coring
- Locally reinforced at high load areas
- Molded nonskid surface on working 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

- 6,750 lb. (3,062 kg) fin, 8,775 lb. (3,980 kg) beavertail, or 10,000 lb. (4,536 kg) keel/centerboard, 4% antimonial hardened lead casting
- Template ground for fit and performance
- Faired and epoxy modified vinylester coated
- Deep fin, beavertail bulb design, or keel/centerboard configurations
- Keel is thru-bolted to hull with cast in place stainless steel bolts
- Keel bolt quantity and size exceed ABS standard for offshore use

Rudder & Steering System

- Console style rack and pinion steering pedestal
- 48" stainless steel wheel with leather cover
- Stainless steel pedestal guard
- Single lever engine control with stainless steel handle
- 5" lighted binnacle compass with stainless steel hood
- High density, closed cell foam rudder blade with reinforced skins
- Autoclave cured carbon fiber rudder post with stainless steel bearing sleeves
- Neoprene gaiter rudder post seal
- Emergency tiller

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Ventilation

- (7) Stainless steel unlimited offshore CE approved 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 guard
 - Custom curved Lexan sliding companionway hatch with solid teak hatch boards and trim
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Engine & Mechanical

- 4 KW Bow Thruster
 - 55 hp diesel saildrive with three blade folding propeller
 - 60 gallon (227 l) fuel tank capacity with remote gauge
 - Fuel filter/water separator
 - Lead lined engine insulation
 - Engine service access front, sides, and aft
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Electrical

- 2000W inverter/charger
 - (2) 8D AGM House batteries
 - (1) Group 27 AGM Engine battery
 - (1) Group 31 AGM Thruster battery
 - Polished chrome and stainless steel interior lighting
 - Automatic lights in hanging locker, liquor locker and refrigerator compartment
 - Service lighting in engine compartment and cockpit lockers
 - Directional reading lights at berths and main cabin settees
 - Directional spotlights in galley and over main cabin table
 - Recessed, dimmable spotlights in cabin overhead
 - Interior, cockpit and swim ladder courtesy lighting
 - Dual 30 amp shore power services
 - 30A, 50 foot shore power cord
 - 110 VAC distribution panel prepped to accept gen set
 - 110 VAC shore power outlets in each cabin with GFI protection
 - 12 VDC & 110 VAC digital metered distribution panel
 - Battery selector switch
 - Electrical bonding system
 - Electric sump pump with automatic float switch for icebox and shower drains
 - Electric bilge pump with automatic float switch with manual override
 - High water bilge alarm
 - 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
 - ABYC compliant color coded wiring throughout
 - USCG approved navigation lights on bow rail, stern rail and mast
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Electronics / Entertainment

- (2) Raymarine i70 displays at companionway with wind, speed and depth
 - Raymarine VHF radio
 - Raymarine Seatalk NG backbone system
 - AM/FM/CD Stereo with two interior and two exterior speakers
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Galley & Plumbing

- 3 burner Force 10 gimbale LPG stove with oven and broiler
 - (1) 11 lb (5kg) LPG Tank
 - LPG sniffer with automatic shut off
 - Cherry faced cabinetry with raised panel access doors
 - Cherry faced, dovetailed cutlery drawers
 - 9" deep double sinks with premium marine grade galley faucet and manual foot pump with swivel spigot
 - Granicoat solid surface galley countertops
 - Storage under galley sink through ventilated raised panel cherry doors
 - Galley trash bin with cherry raised panel door access
 - Molded icebox with Granicoat 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
 - 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
 - 120 gallons (454 l) of freshwater tankage with distribution manifold
 - 10 gallon (37.85 l) water heater, operates on 110VAC or engine heat exchanger
 - 12 VDC Refrigeration
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Head

- (2) Electric marine heads, each with 20 gallon (75.7 l) holding tank
- Deck pump out, vent and macerator pump for holding tanks
- Y-valve with direct overboard discharge
- Holding tank remote level indicator
- Low odor premium marine grade sanitation hose
- Separate stall showers with Plexiglas enclosure, molded seat & molded shower lockers
- Shower drains to separate sump box with automatic overboard discharge
- Premium marine grade head faucet and shower mixer
- Molded Granicoat solid surface counter tops with integral sink
- Utility storage under sink through raised panel cherry door
- Solid cherry face upper vanity cabinet with storage

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Accommodations & Storage

- Approximately 78" x 64" berth in forward cabin with quilted mattress
- Cherry tongue and groove hull sides in forward cabin
- Furniture grade main cabin settees and seats with contoured cushions
- Cherry cabinets with ventilated raised panel doors throughout main salon
- Varnished, drop leaf, solid stock cherry table with center storage bin and two dovetail drawers
- 88" long sofa style main cabin settees
- Port main cabin settee converts to double berth
- Navigation station port with adjustable navigation chair and chart & laptop storage
- Navigation lockers with installation space for extensive electronics
- Aft cabin with a full-width 78" x 60" double berth, hanging locker and shelves
- Storage below berths
- Cockpit seat locker to port
- Cockpit lazarette hatches port and starboard
- Propane gas bottle storage in cockpit for two 11 lb (5 kg) tanks
- Divided sail/anchor locker forward

Interior

- Structural fiberglass timbers taped to hull to carry mast and keel loads
- Structural bulkheads bonded to hull and deck
- Cherry faced bulkheads and risers
- 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
- Cherry main salon table with Tartan logo inlay and centerline drawer storage
- Cherry battened overhead with strategically placed access panels
- Varnished solid stock teak cabin sole with extensive access hatches
- Varnished teak handrails placed for security in a seaway
- Molded storage bins under hatches in sole
- Interior woodwork sprayed with satin finish lacquer varnish
- Selection of designer fabrics available for interior 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 carbon fiber masthead with sheaves for (1) jib, (1) main, (1) reacher and (1) spinnaker halyard
- Carbon fiber backstay crane integrally molded at lamination
- 1 x 19 Stainless steel wire rigging with forged turnbuckles
- Internal halyards
- Harken furler for self-tacking jib
- Harken furler for masthead reacher
- Low friction main sail track system
- Mast to deck tie-rod to carry running rigging loads
- Masthead anchor light
- Custom stainless steel chainplate system ties structural FRP grid and hull
- Steaming light with foredeck illuminator
- Mast wiring conduit
- Masthead VHF antenna
- Spartite mast sealing and chock system

Boom:

- Carbon-fiber Pocket Boom with integral sail cover
- (2) Single line reefs led aft to housetop winch
- Internal 4:1 outhaul
- Two-part boom topping lift
- Rod vang with tackle led aft
- Integral lazy jack system

Running Rigging:

- Low stretch main, genoa and reacher halyards
- Polyester double braid jibsheet, mainsheet and reacher sheets
- Polyester double braid main traveler control lines
- (2) Polyester double braid reef lines

Sails:

- Fully-battened mainsail with white Sunbrella sailcover
- Dacron self-tacking jib
- Lightweight masthead reader

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Deck Hardware

- (1) Harken 46.2 STEC (self-tailing chrome) electric house top winch
- (1) Harken 46.2 STC (self-tailing chrome) house top winch
- (2) Harken 50.2 STC (self-tailing chrome) cockpit winches
- Harken self-tacking jib traveler
- Harken stacked triple aft lead control blocks
- Harken turning blocks at base of mast for aft sail control leads
- Harken mainsheet and traveler systems led to housetop winch
- (3) Harken aluminum winch handles
- (12) Spinlock rope clutches for aft sail control leads
- Polished stainless steel outboard genoa track for reacher
- 27" x 1 1/8" diameter stainless steel stanchions
- 27" x 1 1/8" tube double stainless steel bow rail with navigation light
- 27" x 1 1/8" 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
- Custom fabricated bow and midship mooring chocks
- (6) Stainless steel 10" mooring cleats
- Stern stainless steel quarter caps
- 2 1/2" x 1 7/8" Teak toerails through-bolted to hull flange
- Teak taffrail
- Custom stainless steel mast collar with multiple attachments for blocks
- (4) Polished chrome 4" dorades on teak dorade caps
- (4) Stainless steel dorade guards
- Companionway hatch sea hood with instrument pod
- Anchor locker lid with latch
- Deck drains to waterline discharge, eliminates hull streaking
- Teak housetop handrails
- Cockpit mounted manual bilge pump
- Drink holders in cockpit
- Offshore ready, match molded, and gasketed cockpit seat hatches
- Walk through transom with hinge down swim platform and ladder



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Design Dimensions

LOA.....	43.08 ft (13.13 m)
LWL.....	37.86 ft (11.54 m)
Beam.....	13.58 ft (4.14 m)

Draft

Fin.....	8.25 ft (2.51 m)
Beavertail Keel.....	5.83 ft (1.78 m)
Keel/Centerboard.....	4.83 ft (1.47 m)

Displacement

Fin.....	21,775 lbs (9888 kg)
Beavertail.....	23,800 lbs (10,796 kg)
Keel/Centerboard.....	25,025 lbs (10,920 kg)

Ballast

Fin.....	6,750 lbs (3062 kg)
Beavertail.....	8,775 lbs (3980 kg)
Keel/Centerboard.....	10,000 lbs (4,536 kg)

Capacities

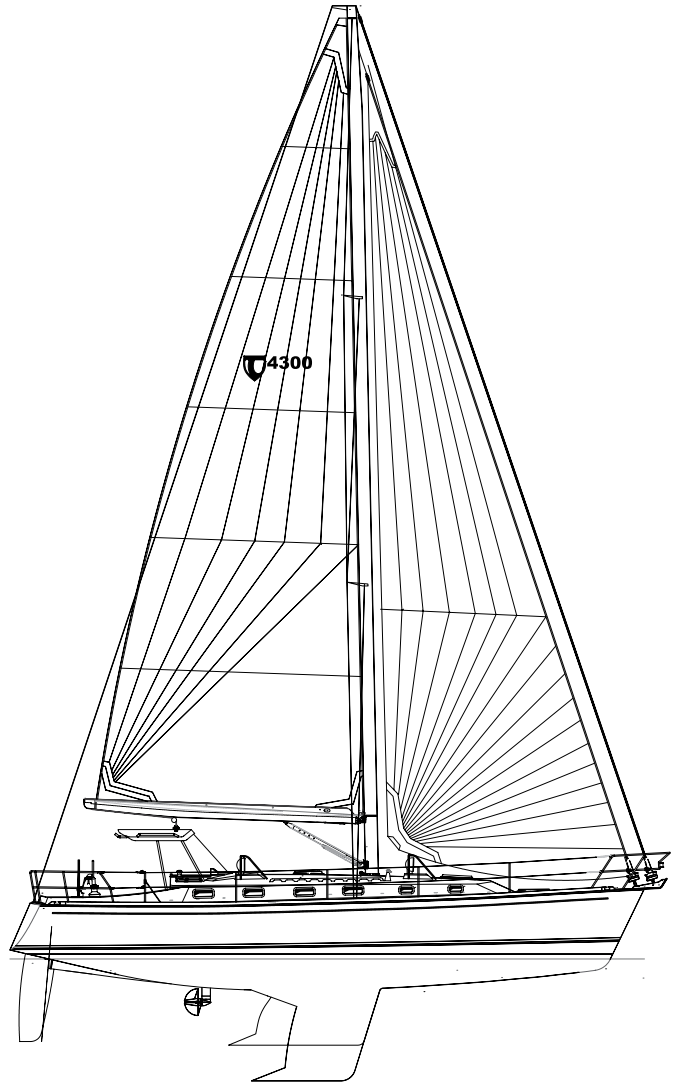
Fuel.....	60 gal (227.12 l)
Water.....	120 gal (378.54 l)
Auxiliary.....	56 hp diesel
Berths (2 Cabin Layout).....	7
Berths (3 Cabin Layout).....	9

Sail dimensions

I, Self tacking jib.....	57.6 ft (17.55 m)
J, Self tacking jib.....	17.5 ft (5.33 m)
I, Reacher.....	59.6 ft (18.17 m)
J, Reacher.....	18.75 ft (5.75 m)
P.....	54.0 ft (16.46 m)
E.....	18.2 ft (5.53 m)
Total Sail Area, ST Jib.....	994 sq ft (92.35 sq m)
Mainsail Area.....	490 sq ft (45.52 sq m)
Upwind Sail Area.....	504 sq ft (46.82 sq m)
Sail Area 150% reacher.....	852 sq ft (79.15 sq m)
Bridge Clearance.....	64.75 ft (19.74 m)

Performance Ratios

SA / Disp (W/Self Tacking Jib).....	19.22
Ballast/ Disp (Beavertail Keel.....)	37%
Disp/ Length (Beavertail Disp).....	196
Designer.....	Tim Jackett
CE approved for category "A" unlimited offshore	



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