

TARTAN 3700

SPECIFICATIONS & FEATURES

Hull

- NPG Isothalic gelcoat for superior gloss retention
- Infused BPA epoxy hull laminate producing a strength to weight ratio not attainable in any production polyester laminates
- BPA epoxy's superior adhesive strength reduces overall hull weight while increasing strength producing a faster and safer performance cruising yacht
- Strict resin control through infusion produces glass to resin ratio of 60% glass, 40% resin. (production polyester boats are typically 25% glass, 75% resin=heavy and brittle)
- Superior fatigue and cyclic loading characteristics of BPA epoxy ensure a hull that retains its shape and strength longer resulting in higher resale value
- Extensive internal structure designed to carry rig and keel loads, glass taped into hull using BPA epoxy resin
- Synthetic foam hull coring, provides lightweight structure, stiffness, sound and thermal insulation and superior impact resistance
- Hull is vacuum-bagged and structure is infused in "one shot" thus does not rely on secondary bonding of structural materials
- Epoxy hull laminate is far stronger than any polyester laminate of similar weight, i.e. greater safety margins while delivering superior performance over normal production polyester hulls
- 90 degree throw, Marelon, flush thru hull fittings. Marelon fittings are UL and ABS approved and are corrosion free
- Complete interior paintout for enhanced cosmetics and to seal interior laminate surfaces
- Built to meet ABS Plan Certification
- Industry leading, non-prorated 15 year hull structural and blister guarantee
- Warranty is conditionally transferable

Deck

- Deck is a balanced composite laminate BPA epoxy resin, uni-directional "E"-glass reinforcement, and high strength/stiffness sealed end grain balsa coring
- Our custom resin infusion process creates the best resin-to-glass reinforcement ratio possible resulting in the stiffest, lightest, strongest deck in production boatbuilding
- Weight saved high increases righting moment improving safety and performance
- Infusion process with epoxy resin provides a stronger more fatigue resistant deck laminate than typical production polyester deck laminates
- The deck is locally reinforced at high load areas with additional plies of bi-directional "E"-glass reinforcement
- NPG Isothalic gelcoat for improved color and gloss retention
- Gelcoat is formulated for greater flexibility reducing occurrence of common gel coat crazing
- White or off-white gelcoat with patterned, molded non-skid surface on horizontal deck areas
- CNC computer cut balsa coring also offers acoustic as well as thermal insulation increasing interior comfort
- Core "windows" at all deck hardware installations. Window is reinforced with solid laminate and isolates hardware installations from cored laminate, reducing stress crazes around hardware often seen in laminates reinforced with plywood and eliminates rot problems associated with decks reinforced with plywood
- Structurally loaded hardware backed with either FRP or 6061 T6 aluminum backing plates
- Time-tested hull to deck joint. Deck is fastened to inward facing hull flange with integrally molded hardened 6061 T6 aluminum bar forming a full sheer length backing plate
- Stainless steel fasteners sized to meet or exceed ABS standard for offshore use, are drilled and tapped into aluminum bar, offering full serviceability from the outside of the boat
- Deck to hull joint bonded with 3M 5200 adhesive sealant

Keel & Ballast

- 6,000 lb. (2722 kg) fin, 6,200 lb. (2812 kg) beavertail or 6,400 lb. (2903 kg.) keel centerboard, 4% antimonial hardened lead casting
- Template ground for fit and maximum performance
- Faired and epoxy coated
- Deep fin, beavertail bulb design, or keel/centerboard significantly lowers center of gravity improving righting moment. Result is increased sail carrying ability, performance and safety
- Ballast is thru-bolted to hull with cast in place stainless steel bolts. Quantity and size exceed ABS standard for offshore use

Rudder & Steering System

- Pedestal style rack and pinion steering pedestal
- 44" stainless steel wheel with leather cover
- Stainless steel pedestal guard
- Single-lever, pedestal-mounted engine control with stainless steel handle
- 5" binnacle compass
- High density, closed cell urethane foam rudder blade with modified epoxy reinforced skins
- 3 1/2" type 304 stainless steel rudder post
- High density low friction rudder bearings
- Bronze rudder stuffing box
- Emergency tiller

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Interior

- Structural fiberglass timbers bonded to hull to carry mast and keel loads
- Structural bulkheads bonded to hull
- Bulkheads and risers are pressure laminate or varnished cherry faced marine plywood
- Hand fit varnished cherry trim throughout
- Solid stock raised panel varnished cherry cabinet doors with ventilation slots
- Positive lock polished chrome cabinet hardware
- 1" solid stock raised panel varnished cherry passage doors in full cherry framed jambs
- Polished chrome mortised door lock sets
- Solid stock varnished cherry cabinet faces throughout
- Solid cherry face, dovetail joined, all wood drawers throughout
- Custom solid stock main salon table with inlaid Tartan logo and centerline drawer storage
- Easy maintenance, varnished cherry battened overhead with strategically placed access panels
- Varnished teak handrails placed for security in a seaway
- Selection of designer fabrics available for interior upholstery

Ventilation

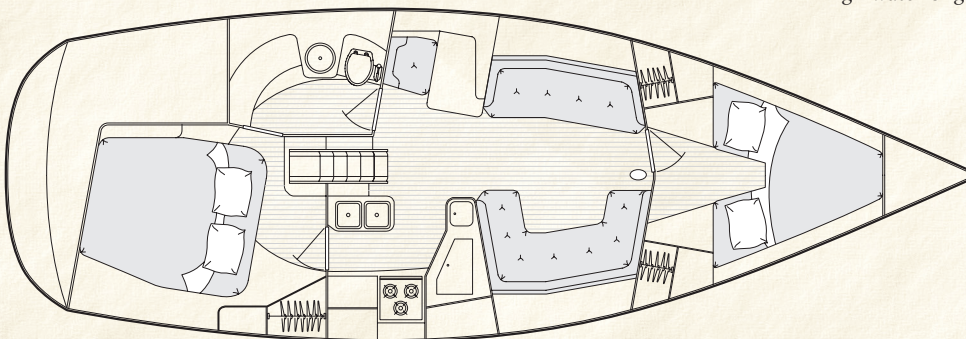
- (6) Stainless steel unlimited offshore CE approved deck hatches
- (12) Cabin side mounted stainless steel opening port lights with fly screens
- (3) Cockpit mounted stainless steel opening port lights with fly screens
- (2) 4" Chrome dorade vents with stainless steel guard
- Custom curved Lexan sliding companionway hatch with fiberglass spray hood, solid teak hatch boards and trim

Engine & Mechanical

- 40 hp diesel saildrive with pedestal mount single lever control
- 38 gallon (143.85 l) fuel capacity in aluminum tank with remote gauge
- Fuel filter/water separator
- Lead lined engine insulation
- Excellent engine service access front, sides and aft
- Folding two-blade prop on saildrive for high performance under power and sailing

Electrical

- Batteries, (3) Group 27
- 1 KW inverter/charger
- Polished chrome and stainless steel interior lighting
- Automatic lights in hanging locker, liquor locker and refrigerator compartment
- Service lighting in engine compartment
- Service lighting in cockpit lockers
- Directional reading lights at berths and main cabin settees
- Directional spot lights in galley and over main cabin table
- Recessed, dimmable overhead spotlights in cabin over head
- Interior courtesy lighting
- Cockpit and swim ladder courtesy lighting
- Dual 30 amp shore power services
- 50 foot shore power cords
- 110 VAC distribution panel prepped to accept gen set
- 110 VAC shore power outlets in each cabin, GFI protected
- 12 VDC 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
- UL approved, stranded, tinned copper wiring for increased corrosion resistance
- Wiring bundled in PVC conduit with additional conduit in place and available for future installations
- All wiring is properly chafe protected where it passes through bulkheads and cabinetry
- ABYC compliant color coded wiring throughout
- ABYC compliant
- USCG approved navigation lights on bow rail, stern rail and mast
- High water bilge alarm



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Galley & Plumbing

- 3 burner Force 10 gimbale LPG stove with oven and broiler
- (1) 11 lb (5 kg) LPG tank
- LPG sniffer with automatic shut off
- Cherry faced cabinetry with raised panel access doors
- Cherry faced, dovetailed cutlery drawers
- 9" deep stainless steel double sinks with premium marine grade galley faucet and manual foot pump with swivel spigot
- Granicote solid surface galley countertops available in several designer colors
- Storage under galley sink through ventilated raised panel cherry doors
- Hinge out galley trash bin with cherry raised panel door access
- Molded icebox with Granicote solid surface counter top and 4" foam insulation, insulated front and top load access
- Hot and cold pressure water with easy service access to pump and plumbing
- Freshwater plumbing features polyethylene tubing and Whale mechanical fittings
- All below water hose connections are double stainless steel clamped for added security
- Premium marine grade hoses used throughout
- 80 gallons (302.8 l) of freshwater tankage with distribution manifold
- Forespar Marelone thru-hull fittings throughout, UL approved and corrosion free
- Forward cabin vanity with sink, hot and cold water and Granicote solid surface counter top
- 6 gallon (22.7 l) water heater, with engine heat exchanger and 110 VAC operation

Head

- Marine head with 24 gallon (90.85 l) holding tank w/deck pump out and vent
- Y-valve with direct overboard discharge for offshore use
- Macerator pump for holding tank discharge for offshore use
- Holding tank remote level indicator
- Premium grade marine sanitation hoses with low odor permeability
- Separate stall shower with Plexiglas enclosure and molded seat
- Shower drains to separate sump with automatic electric pump for overboard discharge
- Premium marine grade head faucet and shower mixer
- Molded Granicote solid surface counter tops with integral sink
- Utility storage under sink through raised panel cherry door
- Ample storage in upper vanity

Accommodations & Storage

- Forward cabin with vanity and sink, extensive lockers, hanging locker and dovetail drawers
- Furniture grade main cabin settees and seats with contoured cushions
- Main cabin fit with cherry cabinets and ventilated raised panel doors throughout
- Through bulkhead raised panel ventilation door to forward cabin
- Large storage outboard of main cabin seat backs
- Main cabin settee converts to double berth
- Varnished, drop leaf, solid stock cherry table with center storage bin and two dovetail drawers
- Full navigation station to port with four drawers
- Navigation lockers with installation space for extensive electronics
- Aft cabin with a double berth, hanging locker and shelves
- Storage below berths
- Cockpit seat locker
- Cockpit lazarette hatches port and starboard
- Propane gas bottle storage in cockpit for two 11 lb (5 kg) tanks
- Cherry tongue and groove hull sides in forward cabin

Spars & Rigging

Mast:

- Carbon-fiber mast for greater strength, lower weight, increased safety margins and improved performance
- White coated double spreader design
- Tapered mast section for reduced weight aloft
- Tapered airfoil swept spreaders
- Carbon fiber backstay crane integrally molded at lamination
- 1 x 19 Stainless steel wire rigging with forged turnbuckles
- Harken Cruising Series headsail furler
- Internal halyards
- Mast to deck tie rod to carry running rigging loads
- Custom designed stainless steel chainplate system ties to extensive internal FRP structure and hull
- Mast head anchor light
- Steaming light with foredeck illuminator
- Mast wiring conduit
- VHF wiring for masthead antenna
- Spartite mast sealing and chock system

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Spars & Rigging cont'd

Boom:

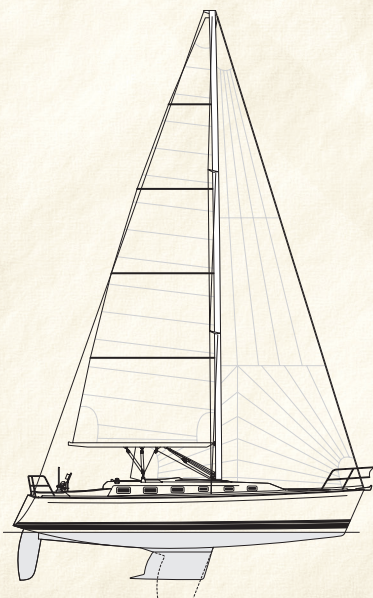
- Carbon composite Pocket Boom
- (2) Single line reefs led aft to cockpit winch, allows reefing from the cockpit
- Internal 4:1 outhaul
- Two-part boom topping lift
- Rod vang with tackle led aft

Running Rigging:

- (1) Low stretch genoa halyard
- (1) Low stretch main halyard
- (2) Dacron genoa sheets
- (1) Dacron mainsheet
- (2) Main traveler taglines
- (2) Reef lines

Deck Hardware

- (2) Harken 53.2 STC (self-tailing chrome) primary genoa winches
- (2) Harken 40.2 STC (self-tailing chrome) aft house top-mounted winches for sail controls and mainsheet
- 27" x 1 1/8" diameter, all-welded stainless steel stanchions, 4 hole mounting base with backing plate installation
- 27" x 1 1/8" tube double stainless steel bow rail with rail-mounted combination navigation light
- 27" x 1 1/8" tube double stainless steel split stern rail with rail mounted navigation light
- 1 x 19 double lifelines with port, starboard, and stern boarding gates with pelican hooks
- Custom designed and fabricated stainless steel stem fitting with integral single bow roller
- Custom fabricated rail mount chocks for bow mooring cleats
- Stainless steel 10" bow mooring cleats with backing plate
- Custom fabricated mid mooring chocks with 10" stainless steel mooring cleats, installed with backing plates
- Stern stainless steel quarter caps
- Stainless steel 10" aft mooring cleats
- 2" x 1 1/2" teak toerails through-bolted to 6060 T6 aluminum bar in hull flange
- Teak taffrail
- Polished stainless steel toerail mounted genoa track
- Inboard genoa tracks with wide sheave cars
- (2) Harken aluminum winch handles
- (8) Spinlock rope clutches for aft sail control leads
- Harken stacked double aft lead control blocks
- Harken turning blocks at base of mast for aft sail control leads
- Harken mainsheet system led to housetop self tailing winch
- Harken traveler with tagline adjustment led to aft end of housetop for easy adjustment
- Custom stainless steel mast collar with multiple attachments for blocks
- Polished chrome 4" dorades on teak dorade caps
- (2) Stainless steel dorade guards
- Companionway hatch sea hood with instrument pod
- 5" binnacle compass
- Match molded anchor locker lid with latch
- 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
- Extensive housetop teak handrails
- Manual cockpit mounted bilge pump
- Drink holders in cockpit
- Offshore ready, match-molded, and gasketed cockpit seat hatches
- Hinge down swim platform.



Tartan 3700 Design Dimensions

LOA.....	37 ft (11.28 m)
LWL.....	32 ft 6 in (9.01 m)
Beam.....	12 ft 8 in (3.86 m)

DRAFT

Fin.....	7 ft 3 in (2.21 m)
Beavertail.....	5 ft (1.52 m)
Keel/Centerboard	4 ft (1.22 m)

DISPLACEMENT

Fin.....	15,950 lbs (7235 kg)
Beavertail.....	16,150 lbs (7326 kg)
Keel/Centerboard	16,350 lbs (7416 kg)

BALLAST

Fin.....	6,000 lbs (2722 kg)
Beavertail.....	6,200 lbs (2812 kg)
Centerboard.....	6,400 lbs (2903 kg)

CE approved for category "A" unlimited offshore

Specifications subject to change • Updated September 2011

CAPACITIES

Fuel	38 gal (143.85 l)
Water	80 gal (302.83 l)
Auxiliary	40 hp diesel saildrive
Berths.....	7

SAIL DIMENSIONS

Sail area	727.5 sq ft (67.58 sq m)
I.....	51 ft 9 in (15.77 m)
J.....	15 ft (4.57 m)
P.....	45 ft 3 in (13.79 m)
E.....	15 ft (4.57 m)
Mainsail Area.....	339.3 sq ft (31.52 sq m)
100% foretriangle	388.2 sq ft (36.01 sq m)

Bridge clearance	56 ft (17.01 m)
Ballast/displacement.....	40
Displacement/length.....	210
Sail area/displacement.....	18.2
Designer	Tim Jackett