

TARTAN 4000 // STANDARD SPECIFICATIONS

HULL

- NPG Isophthalic gelcoat
- Modified epoxy vinylester resin used throughout laminate for superior bonding
- Engineered multi-axial E-Glass fiber reinforcements, locally reinforced in high-load areas
- CNC computer cut closed-cell synthetic foam coring
- Laminated in “one shot” resin infusion process eliminating secondary bonding of structural materials
- All hull penetrations made through solid E-Glass laminate “core windows”
- Interior surfaces painted out for aesthetics
- Internal structural grid designed to carry rig and keel loads, bonded and glass-taped into hull
- UL and ABS approved, corrosion free Marelon flush through hull fittings
- Built to meet ABS Plan Certification
- Transferrable 10-year hull structural and blister warranty

DECK

- NPG Isophthalic gelcoat
- Modified epoxy vinylester resin used throughout laminate for superior bonding
- Engineered multi-axial E-Glass fiber reinforcements, locally reinforced in high-load areas
- CNC computer cut sealed end-grain balsa coring
- Laminated in “one shot” resin infusion process eliminating secondary bonding of structural materials
- All deck penetrations made through solid E-Glass laminate “core windows”
- Interior surfaces painted out for aesthetics
- Molded nonskid surface on working areas
- 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 and meet or exceed ABS standard for offshore use
- Hull-to-deck joint bonded with 3M 5200 adhesive sealant

KEEL & BALLAST

- Deep fin bulbed keel, beavertail bulbed keel, or (optional) keel/centerboard configuration
- Antimonial hardened lead keel castings
- Template-ground for fit and maximum performance
- Faired and epoxy coated
- 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 SYSTEM

- Carbon-fiber rudder post autoclave-molded for high strength and low weight
- High density, closed cell urethane foam rudder blade with modified epoxy reinforced skins
- Gaiter rudder post seal
- Self-aligning roller rudder bearings
- Twin wheel system using cable-style radial steering
- (2) custom, low-weight carbon-fiber pedestals with integrated electronics mounting
- (2) 36” stainless steel wheels
- (2) stainless steel pedestal guards
- Single-lever engine control with removable handle
- (2) 4-1/2” flush mount compass with cover
- Emergency Tiller

DECK HARDWARE

- (2) Harken 50.2 STC (self-tailing chrome) primary genoa winches
- (2) Harken 46.2 STC (self-tailing chrome) cabin top winches
- (10) Spinlock rope clutches for aft-led sail controls
- Harken self-tacking jib traveler with double-ended jib sheet led aft to cockpit winches
- Harken aft lead control blocks
- Harken turning blocks at base of mast for aft-led sail control
- Harken mainsheet traveler with double-ended sheet led to cockpit winches
- (3) Harken aluminum winch handles
- 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 roller
- Bulwark-mounted teak cap rails through bolted to hull flange
- (6) custom cast rail mount chocks for mooring cleats
- (6) stainless steel 10" mooring cleats
- Custom stainless steel mast collar with multiple attachments for blocks
- Companionway hatch sea hood with instrument pod
- Match molded anchor locker lid with latch
- Offshore ready, match molded, and gasketed cockpit seat hatches
- Deck drains to waterline discharge, eliminates hull streaking
- Teak cabin top handrails
- Manual cockpit-mounted bilge pump
- Hinge-down swim platform with a retracting stainless steel swim ladder

VENTILATION

- (6) stainless steel unlimited offshore CE approved deck hatches
- (12) cabin side mounted stainless steel portholes with fly screens
- (2) cockpit-mounted stainless steel portholes with fly screens
- (2) polished chrome 4" cowl vents on teak Dorade boxes with stainless steel guards
- Lexan sliding companionway hatch with solid teak hatch doors and trim

ENGINE & MECHANICAL

- 55 hp diesel with saildrive and three-blade folding prop
- 60-gallon fuel tank capacity with remote gauge
- Fuel filter/water separator
- Lead-lined engine compartment insulation
- Engine service access forward, top, sides, and aft

ELECTRICAL

- Batteries: (2) 8D AGM house batteries, (1) AGM Group 27 emergency start battery
- 30 AMP battery charger
- Polished chrome and stainless steel interior lighting fixtures with LED lights
- Automatic lights in hanging lockers, main cabin lockers, and refrigerator compartment
- Service lighting in engine compartment and deck lockers
- Directional reading lights at berths and main cabin settees
- Directional spotlights over main cabin table
- Recessed, dimmable spotlights in main, forward, and aft cabins
- Interior, cockpit, and swim platform courtesy lighting

ELECTRICAL (continued)

- (2) 30 AMP shore power services
- 110 VAC digital metered distribution panel prepped to accept genset
- 110 VAC shore power outlets in each cabin with GFI protection
- 12 VDC 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 and manual override
- High water bilge alarms
- 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

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
- Solid stock cherry trim throughout
- Solid stock raised panel cherry cabinet doors throughout
- Solid stock raised panel cherry passage doors in maple 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 cabin table with Tartan logo inlay and centerline drawer storage
- Tongue and groove solid cherry hull ceilings
- Easy maintenance overhead of molded FRP panels secured with varnished battens
- Varnished teak and holly cabin sole with teak banded access hatches
- Varnished solid teak handrails placed for security in a seaway
- Interior woodwork sprayed with satin finish conversion varnish
- Selection of designer fabrics for interior upholstery

ACCOMMODATIONS & STORAGE

- Forward cabin with storage lockers, hanging locker, shelves, and drawers
- Approximately 78" x 64" berth in forward cabin with quilted mattress
- Furniture-grade main cabin settees and seats with contoured cushions
- Cherry cabinets with ventilated raised panel doors in main cabin
- 85" long sofa-style main cabin settee with slide out extension to form double berth on port side
- 72" long sofa-style main cabin settee with removable end cushion to form 84" berth
- Large storage outboard of main cabin seat backs
- Forward-facing navigation station with chart storage and drawers
- Navigation cabinets with installation space for extensive electronics
- Aft cabin with lockers, hanging locker, and shelves
- Full width 78" x 56" double berth in aft cabin with quilted mattress
- Storage below berths
- Sail and anchor locker forward
- Cockpit seat locker to port
- Cockpit lazarette hatches port and starboard
- LPG gas bottle storage in cockpit for two 10 lb. (5 kg) tanks

GALLEY & PLUMBING

- 3-burner Force 10 gimbaled LPG stove with oven and broiler
- LPG sniffer with automatic shut off
- Cherry-faced cabinetry with raised panel access doors
- Cherry-faced, dovetailed cutlery drawers
- Molded 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
- Molded icebox with Granicoat solid surface countertop and 4" foam insulation with insulated top and side access
- 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 of freshwater tankage with distribution manifold
- 10-gallon water heater, operates on 110 VAC or engine heat exchanger

HEAD

- Marine head with 20-gallon holding tank
- Deck pump out with vent
- Low odor premium marine grade sanitation hoses
- Separate stall shower with Plexiglass enclosure and molded seat
- Shower drains to separate sump box with automatic overboard discharge
- Hanging/wet locker outboard of aft shower seat
- Premium marine grade head faucet and shower mixer
- Molded Granicoat solid surface countertop with integral sink
- Utility storage under sink through raised panel cherry door
- Solid cherry face upper vanity cabinet with storage and flip-up shaving mirror

SPARS & RIGGING

MAST

- Painted AMP Spars carbon-fiber mast with sheaves for (1) jib, (1) main, (1) reacher, and (1) spinnaker halyard
- Tapered airfoil swept spreaders
- 1x19 stainless steel wire rigging with forged turnbuckles
- Internal halyards
- Harken furler for self-tacking jib
- Mast to deck tie-rod to carry running rigging loads
- Masthead anchor light
- Steaming light with foredeck illuminator
- Mast wiring conduit
- Spartite mast sealing and chock system

BOOM

- Painted AMP Spars traditional-style carbon-fiber boom with lazy jack system
- (2) single-line reefs led aft to cabin top winch
- Internal 4:1 outhaul
- Two-part boom topping lift
- Rod vang with tackle led aft

SPARS & RIGGING (continued)

RUNNING RIGGING

- Low-stretch main and forward halyards
- Polyester double-braid jib sheet and mainsheet
- Polyester double-braid main traveler control lines
- (2) Polyester double-braid reef lines

SAILS

- Fully-battened mainsail with white Sunbrella sail cover
- Dacron self-tacking jib



440.392.2628

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DESIGN DIMENSIONS

LOA	40 ft 8 in
LWL	36 ft 5 in
Beam	12 ft

DRAFT

Fin	6 ft 3 in
Beavertail	5 ft
Keel/centerboard (optional)	4 ft 9 in/8 ft 9 in

DISPLACEMENT

Fin	18,854 lb
Beavertail	20,104 lb
Keel/centerboard (optional)	20,379 lb

BALLAST

Fin	5,500 lb
Beavertail	6,750 lb
Keel/centerboard (optional)	7,025 lb

CAPACITIES

Fuel	75 gal
Water	120 gal
Auxiliary	55 hp diesel saildrive
Berths	7

SAIL DIMENSIONS

I, self-tacking jib	55 ft 7 in
J, self-tacking jib	16 ft 3 in
I, 155% reacher (optional)	59 ft 4 in
J, 155% reacher (optional)	17 ft 7 in
P	53 ft 3 in
E	16 ft 6 in
Mainsail area	439.3 sq ft
100% foretriangle	451.59 sq ft
Upwind sail area (main & self-tacking jib)	890.9 sq ft
Downwind sail area (main & reacher)	1,1247.64 sq ft
Bridge clearance	64 ft 3 in

PERFORMANCE RATIOS

Ballast/displacement	33.6
Displacement/length	186.1
Sail area/displacement (upwind)	19.3

CE approved for category "A" unlimited offshore

Designer Tim Jackett



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