

# TARTAN 4300 // STANDARD SPECIFICATIONS

## HULL

- NPG Isophthalic gelcoat
- Modified epoxy vinylester resin used throughout laminate for superior bonding and strength
- 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

- 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

- Single-wheel system using cable-style radial steering
- 48” stainless steel wheel with leather cover
- Stainless steel pedestal guard
- Single-lever engine control
- 5” lighted binnacle compass with stainless steel hood
- High density, closed cell urethane foam rudder blade with modified epoxy reinforced skins
- Carbon-fiber rudder post autoclave-cured for high strength and low weight with stainless steel rudder bearing sleeves
- Neoprene gaiter rudder post seal
- Self-aligning roller rudder bearings
- Emergency Tiller

## DECK HARDWARE

- (2) Harken 50.2 STC (self-tailing chrome) cockpit winches
- (2) Harken 46.2 STC (self-tailing chrome) cabin top winches
- (12) 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 controls
- Harken mainsheet and traveler systems led to cabin top winch
- (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
- Custom stainless steel bow and midship mooring chocks
- (6) stainless steel 10" mooring cleats
- Custom stainless steel mast collar with multiple attachments for blocks
- 2 1/2" x 1 7/8" Teak toe rails through bolted through deck and hull flange.
- Teak taffrail
- 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
- Walk through transom with hinge-down swim platform with a telescoping stainless steel swim ladder

## VENTILATION

- (7) 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
- (4) polished chrome 4" cowl vents on teak-capped Dorade boxes with stainless steel guards
- Lexan sliding companionway hatch with solid teak hatch boards and trim

## ENGINE & MECHANICAL

- 56-hp Volvo diesel engine 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, sides, and aft

## ELECTRICAL

- Batteries: (2) 8D AGM house batteries, (1) AGM Group 31 engine 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 cockpit lockers
- Directional reading lights at berths and main cabin settees
- Directional spotlights in galley and over main cabin table
- Recessed, dimmable spotlights in main, forward, and aft cabin

## ELECTRICAL (continued)

- Interior, cockpit, and swim platform courtesy lighting
- (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 & 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 and 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

## INTERIOR

- Structural fiberglass timbers bonded to hull to carry mast and keel loads
- Structural bulkheads bonded to hull and deck
- Cherry-faced bulkheads and risers
- Cherry tongue-and-groove hull sides in forward cabin
- Solid stock cherry trim throughout
- Solid stock raised panel cherry cabinet doors 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, drop leaf main cabin table with Tartan logo inlay and (2) drawers and center storage bin
- Cherry-battened, easy maintenance overhead with strategically placed access panels
- Varnished teak and holly cabin sole with teak banded access hatches
- Molded storage bins under hatches in cabin sole
- Varnished solid teak handrails placed for security in a seaway
- Interior woodwork sprayed with satin finish two-part conversion varnish
- Selection of designer fabrics available 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, storage beneath
- Furniture-grade main cabin settees and seats with contoured cushions
- Cherry cabinets with ventilated raised panel doors in main cabin
- 88" long sofa-style main cabin settees
- Port main cabin settee converts to double berth
- Large storage outboard of main cabin seat backs
- Forward-facing navigation station with chart storage and drawers
- Navigation station to port with adjustable nav chair and chart and laptop storage
- Navigation cabinets with installation space for extensive electronics
- Aft cabin with lockers, hanging locker, and shelves
- Full width 78" x 60" double berth in aft cabin with quilted mattress, storage beneath
- Divided sail and anchor locker forward
- Cockpit seat locker to port; cockpit lazarette hatches port and starboard
- LPG gas bottle storage in cockpit for two 11 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
- 12 VDC refrigeration
- Molded icebox with Granicoat solid surface countertop and 4" foam insulation with insulated top and side 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 of freshwater tankage with distribution manifold
- 10-gallon water heater, operates on 110 VAC or engine heat exchanger

## HEAD

- (2) Marine heads, each with 20-gallon holding tank
- Deck pump out with vent
- Low odor premium marine grade sanitation hoses
- Separate stall showers with Plexiglass enclosures, molded seats, and 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 countertop with integral sink
- Utility storage under sink through raised panel cherry door
- Solid cherry face upper vanity cabinet with storage

## 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
- Custom stainless steel chainplate system ties to structural FRP grid and hull
- 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 traditional-style carbon-fiber boom with lazy jack system
- (2) single-line reefs led aft to cabin top winch
- Internal 2:1 outhaul
- Two-part boom topping lift
- Rod vang with tackle led aft

## SPARS & RIGGING (continued)

### RUNNING RIGGING

- Low-stretch main, genoa, and reacher halyards
- Polyester double-braid jib sheet, reacher sheets, 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

[www.tartanyachts.com](http://www.tartanyachts.com)

# TARTAN 4300 // STANDARD SPECIFICATIONS

## DESIGN DIMENSIONS

LOA .....	43 ft 1 in
LWL .....	37 ft 10 in
Beam .....	12 ft 6 in

## DRAFT

Fin.....	8 ft 3 in
Beavertail .....	5 ft 10 in
Keel/Centerboard (optional) .....	4 ft 10 in/8 ft 10 in

## DISPLACEMENT

Fin .....	21,775 lb
Beavertail .....	23,800 lb
Keel/Centerboard (optional) .....	25,025 lb

## BALLAST

Fin .....	6,750 lb
Beavertail .....	8,775 lb
Keel/Centerboard (optional) .....	10,000 lb

## CAPACITIES

Fuel .....	60 gal
Water .....	120 gal
Auxiliary .....	55 hp diesel saildrive
Berths (2-cabin layout) .....	7
Berths (3-cabin layout) .....	9

## SAIL DIMENSIONS

I, self-tacking jib .....	57 ft 7 in
J, self-tacking jib .....	17 ft 6 in
I, 155% reacher .....	59 ft 7 in
J, 155% reacher .....	18 ft 9 in
P .....	54 ft
E .....	18 ft 2 in
Mainsail area .....	490 sq ft
100% foretriangle .....	504 sq ft
Reacher sail area (155%) .....	852 sq ft
Upwind sail area (main & self-tacking jib) .....	994 sq ft
Downwind sail area (main & reacher) .....	1,342 sq ft
Bridge clearance .....	64 ft 9 in

## PERFORMANCE RATIOS

Ballast/displacement (beavertail keel) .....	37
Displacement/length (beavertail keel) .....	196
Sail area/displacement (self-tacking jib) .....	20.3
Sail area/displacement (155% reacher) .....	27.73

CE Approved for category "A" unlimited offshore

Designer ..... Tim Jackett



440.392.2628

[www.tartanyachts.com](http://www.tartanyachts.com)