



## ***STANDARD SPECIFICATIONS***

### ***HULL***

- NPG Isophthalic gelcoat
- Modified epoxy vinylester laminating resin
- Partially cored with CNC computer cut closed-cell synthetic foam coring
- Locally reinforced in high-load areas
- 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
- PPG DCC Concept Acrylic Urethane topside finish available in wide range of colors
- Bottom paint, Interlux 2000 Epoxy tie coat primer, 2 coats Interlux CSC bottom paint
- Teak or PVC hull rub strake with stainless steel striker, mounted at cove line
- Built to meet ABS Plan Certification
- Transferrable 10-year hull structural and blister warranty

### ***DECK***

- NPG Isophthalic gelcoat
- Modified epoxy vinylester laminating resin
- CNC computer cut sealed premium coring
- Locally reinforced in high-load areas
- 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
- Two color deck, sand and white or gray and white
- 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

### ***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
- Self-aligning roller rudder bearings
- Leather covered 54” stainless steel wheel
- Custom pedestal with integrated electronics mounting
- Stainless steel pedestal guard



- Single-lever engine control
- 5" binnacle with stainless steel hood
- Emergency Tiller

#### **DECK HARDWARE**

- (2) Harken 70.2 STC (self-tailing chrome) primary genoa winches
- (1) Harken 50.2 STC (self-tailing chrome) port cabin top winch
- (1) Harken 50.2 STCE (self-tailing chrome electric) winch starboard cabin top
- (2) Harken 50.2 STC (self-tailing chrome) mainsheet and traveler tagline winches
- Quick vertical windlass with chain capstan and chain stop and deck washdown pump
- (8) Spinlock rope clutches for aft-led sail controls
- Harken inboard track with adjustable cars for 108% genoa
- 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
- 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 bow roller
- Teak cap rails on bulwarks
- (6) custom rail mount chocks for mooring cleats
- (6) stainless steel 12" mooring cleats
- Stainless steel fender line chafe guard on cap rail mid section
- (4) Cockpit mounted folding padeyes for safety harness
- Custom stainless steel mast collar with multiple attachments for blocks
- Companionway hatch sea hood with instrument pod
- Port and starboard hinged cockpit coaming walk through
- Match molded anchor locker lid with latch
- Deck drains to waterline discharge, eliminates hull streaking
- Stainless steel cabin top handrails
- Teak cockpit table
- Manual cockpit-mounted bilge pump
- Hinge-down swim platform with a retracting stainless steel swim ladder

#### **VENTILATION**

- (10) CE approved deck hatches
- Screens and blinds for 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/FRP Dorade boxes with stainless steel guards
- (5) cabin fans
- Lexan sliding companionway hatch with solid teak hatch doors and trim



### **ENGINE & MECHANICAL**

- 106 hp Volvo diesel with four-blade folding prop
- 125-gallon fuel tank capacity with remote gauge
- Dual fuel filter/water separator
- High density engine compartment insulation
- Engine room ventilation system
- Engine service access on all sides through opening floor hatch in main salon
- Dripless shaft seal
- Quick bow thruster

### **ELECTRICAL**

- Dedicated "Systems Room" with standing headroom and ventilation system
- Batteries: (4) 8D AGM house batteries, 24 volt house battery bank
- 24 volt 110 amp alternator with smart regulator control for house bank
- 24 volt 100 AMP house battery charger
- 12 volt high output alternator for engine battery
- 50 amp 220 VAC input shorepower
- 220/110 VAC metered distribution panel
- 50 amp 24-12 VDC converter
- 12 VDC system for non-24 VDC equipment
- 3000 watt inverter
- Remote controlled battery solenoid switches with manual override
- Electrical bonding system
- 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
- 110 VAC shore power outlets in each cabin with GFI protection
- USB chargers at 110VAC outlets where applicable
- 12 VDC digital metered distribution panel
- 12VDC USB outlet in panel and cig type at helm
- Electric sump pump with automatic float switch for icebox and shower drains
- Electric bilge pumps with automatic float switches and manual override
- High water bilge alarms
- 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
- Choice of maple or cherry hardwood interior build out available
- Solid stock trim throughout
- Solid stock raised panel cabinet doors throughout
- Solid stock raised panel passage doors in hardwood jambs
- Polished chrome mortised door lock sets
- Solid stock cabinet faces throughout
- Positive lock cabinet hardware
- Solid stock, dovetail joined, all wood drawers throughout
- Solid hardwood main cabin table with Tartan logo inlay and centerline drawer storage
- Tongue and groove solid hardwood hull sealings in forward cabin
- Easy maintenance overhead of molded FRP panels secured with varnished battens
- Varnished solid teak on composite backer cabin sole
- Varnished solid teak handrails placed for security in a seaway
- Interior woodwork sprayed with satin finish two-part conversion varnish
- Ultraleather interior upholstery

### **ACCOMMODATIONS & STORAGE**

- Forward cabin with Queen sized berth, with quilted mattress, storage lockers, hanging lockers, shelves, and drawers
- Full width aft cabin with King sized berth with quilted mattress, (2) dressing tables, (2) hanging lockers, bureau with shelves and dovetail drawers
- Furniture-grade main cabin settees and seats with contoured cushions
- Solid hardwood cabinets with ventilated raised panel doors in main cabin
- Large storage outboard of main cabin seat backs
- Full navigation station with chart storage and drawers
- Navigation cabinets with installation space for extensive electronics
- Storage below berths
- Sail and anchor locker forward
- On deck aft storage lockers
- Cockpit sheet bins with hinged covers
- LPG gas bottle storage in transom for two 20 lb. tanks

### **GALLEY & PLUMBING**

- 3-burner Force 10 gimbaled LPG stove with oven and broiler
- LPG sniffer with automatic shut off
- Microwave oven installed in upper galley cabinet
- Hardwood cabinetry with raised panel access doors
- Hardwood, dovetailed cutlery drawers



- 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 maple doors
- 24 VDC/110 AC refrigerator/freezer
- Hot and cold pressure water with service access to pump and plumbing
- Hot and cold cockpit shower
- 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
- 240 gallons of freshwater tankage in stainless steel tanks with distribution manifold
- 20-gallon water heater, operates on 110 VAC or engine heat exchanger

#### **HEAD**

- Two heads, both include separate shower stall with plexiglass doors, and seats
- (2) Raritan Elegance electric marine heads each with 30-gallon holding tank
- (2) Holding tank gauges
- Deck pump outs with vent
- Y-valves for direct overboard discharge, each head
- Holding tank macerator pumps for overboard discharge, each tank
- Low odor premium marine grade sanitation hoses
- Showers drain 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 maple door
- Solid hardwood upper vanity cabinet with storage and flip-up shaving mirror

#### **SPARS & RIGGING MAST**

- AMP Spars painted carbon-fiber mast with sheaves for (1) jib, (1) main, (1) reacher, and (1) spinnaker halyard
- Harken Low friction mainsail track
- Tapered airfoil swept spreaders
- 1x19 stainless steel wire rigging with forged turnbuckles
- Internal halyards
- Harken furler for 108% genoa
- Harken furler for 155% masthead reacher
- 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
- Self-amalgamating mast boot tape



#### **BOOM**

- AMP Spars painted carbon fiber, conventional boom with lazy jacks
- (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

**RIGGING RUNNING**

- Low-stretch main and forward 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
- 108% Genoa
- Light weight 155% (of larger reacher J dimension) masthead reacher

**Factory Options**

- Electric cockpit winches in lieu of standard, Harken 70.2 STEC
- Electric mainsheet winches in lieu of standard, Harken 50.2 STEC
- Electric port housetop winch in lieu of standard, Harken 50.2STEC
- Teak cockpit coamings
- Teak cockpit sole
- Generator, 6.0 kw
- Vaccu-Flush head in lieu of standard Raritan Elegance electric head
- Marine air reverse cycle air conditioning-3 units
- Flat screen HDTV monitor, mast mount air antenna
- Additional flat screen HDTV monitors
- Raymarine Coastal electronics package
- Raymarine Offshore electronics package
- Leisure Furl in boom furling
- Integral split hydraulic backstay adjuster and boom vang with remote panel
- Cruise spinnaker gear
- Telescoping whisker pole with mast track, toggle car with taglines and pole topping lift



**DESIGN DIMENSIONS**

LOA .....	53 ft 6 in
LWL .....	46 ft 6 in
Beam .....	16 ft 1 in
Draft Beavertail Keel.....	6 ft 8 in

Displacement.....38,225 lbs  
Ballast.....14,000 lbs

CAPACITIES

Fuel ..... 125 gal  
Water ..... 250 gal  
Auxiliary ..... 106 hp diesel  
Berths ..... 6-8

SAIL DIMENSIONS

I, ..... 69 ft 11 3/4 in  
J, ..... 19 ft  
I, 155% reacher ..... 73 ft 3 in  
J, 155% reacher ..... 20 ft 4 1/2 in  
P ..... 65 ft 5 in  
E ..... 21 ft 11 in  
Mainsail area ..... 716.78 sq ft  
100% foretriangle ..... 664.8 sq ft  
Upwind sail area (main & 100% fore triangle) .....794.73 sq ft  
Downwind sail area (main & reacher) ..... 1,873.44 sq ft  
Bridge clearance ..... 80 ft

PERFORMANCE RATIOS

Ballast/displacement ..... 37  
Displacement/length ..... 169  
Sail area/displacement (upwind) ..... 19.5  
Sail area/displacement (downwind) ..... 26.57  
Designer ..... Tim Jackett