Fantail WE
Specifications and Features
Sophisticated Designs • Exceptional Performance • Superior Value

The Fantail Weekender features classic good looks, “sit in” not “sit on” sailing, efficient high performance and a “green” sailing experience, all in a package that can accommodate a family or friends for a weekend on the water. The Fantail is the perfect polished jewel to add to your fleet or to be the first boat in which your family discovers the joy of sailing. The Fantail strikes the perfect balance. The Fantail is not a “retro design” or bare bones, white-knuckle race boat, but rather offers a well-mannered, controllable sail plan, with contemporary performance design and classic lines.

**Hull**

- NPG Isophthalic gelcoat for superior gloss retention
- Epoxy modified vinylester hull laminate produces a strength to weight ratio not attainable in any production polyester laminates
- Epoxy modified vinylester’s superior adhesive strength reduces overall hull weight while increasing strength producing a faster and safer yacht
- Strict resin control through vacuum 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 epoxy modified vinylester 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 epoxy modified vinylester
- Synthetic foam hull coring, provides lightweight structure, stiffness, sound and thermal insulation and superior impact resistance
- Hull is resin infused under vacuum and the structure is laminated in “one shot” thus does not rely on secondary bonding of structural materials
- Our 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 utilizing epoxy modified vinylester resin, unidirectional “E”-glass reinforcement, and high strength/stiffness sealed end 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 modified vinylester resin provides a stronger more fatigue resistant deck laminate than typical production polyester deck laminates
- Deck is locally reinforced at high load areas with additional plies of bidirectional “E”-glass reinforcement
- NPG Isophthalic gelcoat for improved color and gloss retention
- Gelcoat is formulated for greater flexibility reducing occurrence of common gel coat crazing
- White gelcoat with patterned, molded nonskid surface on horizontal deck areas
- CNC computer cut balsa coring 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 and maintaining watertight integrity of deck coring
- 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 hull to deck joint fasteners are sized to meet or exceed ABS standard for offshore use
- Hull to deck joint bonded with 3M 5200 adhesive sealant
- Walk thru transom with drop down ladder
- Double lifeline gate at transom

**Keel & Ballast**

- 1,325 lb ballast comprised of 4% antimonial lead bulb casting and composite stainless steel strut and FRP foil
- Faired and epoxy modified vinylester coated
- Bulb design significantly lowers center of gravity improving righting moment. Result is increased sail carrying ability, performance and safety
- Fin is through-bolted to hull with stainless steel bolts

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**Interior**
- Easy maintenance molded FRP liner forms basic interior layout
- Elegant, curved and hand varnished trims for bunk, seats and shelves
- Two seats with 4” Sunbrella cushions, includes storage underneath
- Laminated, curved teak companion way step
- 6’5” V-berth with 4” Sunbrella cushion, includes storage underneath
- Custom access doors to hull and forward
- Padded vinyl and textured FRP overhead

**Mechanical, Electrical and Plumbing Systems**
- Torqeedo Cruise 2.0 Electric Motor, quiet, efficient, green power
- Remote throttle/reverses/forward control with digital display including GPS, speed and range remaining
- (1) Torqeedo 24 volt Lithium 105 amp hour battery
- (1) 25 amp 24 to 12 volt DC converter for on board accessories
- 12 VDC distribution panel
- (1) Torqeedo battery charger with data link to lithium battery
- 40 quart Igloo Cold Chill 12VDC cooler plugs into DC distribution panel for onboard refrigeration convenience
- Origo single burner alcohol stove
- Sink with drain
- Freshwater tank with hand pump/spigot at sink
- Marine head, with holding tank and deck pumpout
- Fixed mount manual bilge pump with overboard discharge
- Stainless steel tiller head with laminated tiller
- Carbon fiber rudder post with composite rudder blade
- AM/FM/CD player with two cockpit speakers
- (3) Interior LED overhead dome lights
- Navigation lights
- Electric bilge pump with high water alarm
Spars & Rigging

Mast:
- Single spreader aluminum mast, painted white
- Tapered mast section for reduced weight aloft
- Tapered airfoil swept spreaders
- Internal sheet for self tacking jib
- 1 x 19 Stainless steel wire rigging with forged turnbuckles
- Internal halyards, Main, Jib, Spinnaker
- Custom designed stainless steel chain plates
- Harken 00AL headsail furling for self tacking jib
- Carbon fiber retractable bow sprit for asymmetrical spinnaker

Boom:
- White painted aluminum boom with lazy jack system for efficient mainsail handling
- (1) Single line reef, led aft to cockpit winch, allows reefing from the cockpit
- Internal main outhaul
- Boom topping lift
- 4:1 Tackle boom vang

Running Rigging:
- (1) Low stretch genoa halyard
- (1) Low stretch main halyard
- (1) Low stretch spinnaker halyard
- (1) Dacron double ended, 2:1 self tacking jib sheet
- (1) Dacron mainsheet
- (2) Main traveler taglines
- (2) Spinnaker sheets
- (1) Retractable sprit tagline
- (1) Asymmetrical Spinnaker tack line
- (1) Reef line
- (1) Dacron boom vang

Sails:
- Fully battened Dacron mainsail
- Self tacking Dacron jib with UV luff
- Nylon Asymmetrical spinnaker

Deck Hardware

- (2) Harken 20STC Chrome Radial cockpit winches for aft sail control leads, self tacking jib sheet and asymmetrical spinnaker sheets
- (2) Harken 16STC Chrome Radial house top winches for halyards
- Stainless steel 18” bow rail and stern rail
- 18” stainless steel stanchions with 7x19 stainless steel lifelines
- Custom designed and fabricated stainless steel stem fitting with integral sprit housing and under deck lead for asymmetrical spinnaker tack line
- (2) 6” stainless steel bow mooring cleats
- Custom stern stainless steel quarter caps
- (2) 6” stainless steel aft mooring cleats
- 5/8” x 3” teak covering board at sheerline
- 5/8” x 3” teak taffrail
- Harken self tacking jib track mounted forward of mast with 2:1 double ended sheet led aft to cockpit winches
- (2) Harken aluminum winch handles
- Rope clutches for aft sail control leads
- Harken triple aft lead control blocks
- Harken turning blocks at base of mast for aft sail control leads
- Six-part Harken mainsheet system
- Harken traveler with four-part tagline adjustment at aft end of cockpit leaving the forward end of the cockpit uncluttered
- Custom stainless steel hinged mast step with multiple attachments for blocks
- Extra wide companionway hatch
- Plastimo Mini Contest compass with 3.5” card, mounted at forward end of the cockpit
- Under deck carbon sprit, with under deck sprit control lines and spinnaker tack line led aft to cockpit
- Lewmar 51 aluminum deck hatch for spinnaker hoist and retrieval
- Manual cockpit mounted bilge pump
- Teak cockpit combings
- (4) Stainless steel opening portlights

Featured Options

- Canvas package, includes; dodger, line bags and winch covers
- Carbon fiber single spreader mast
- Carbon fiber “Pocket Boom”
- Painted hull color
- Contrasting non-skid on deck
- Premium sail package, laminate mainsail, self tacking jib and nylon asymmetrical spinnaker
- Shoal draft keel -3’6”
## Design Dimensions

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<tr>
<th>Measurement</th>
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<tr>
<td>LOA</td>
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<tr>
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### SA/Disp

- St Jib 100% Fore Tri: 25.3

### Rig Dimensions

- I: 34.0 ft
- J Selftracking Jib: 9.83 ft
- J Sprit Extended: 12.33 ft
- P: 33.75 ft
- E: 11.0 ft

### SA

- Mainsail: 185.625 sf
- 100% Fore Tri, Self Tacker: 167.11 sf
- Ttl W/St 100% Fore Tri: 352.735 sf

Designer: Tim Jackett