

BoatSmith *Wharram Ariki 48* Performance Cruising Catamaran v1 Specifications

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LOA: 48 <i>ft 2 in</i>	BOA: 22 <i>ft</i>
LWL: 41 <i>ft 6 in</i>	Weight: 12,000 <i>lbs</i>
Draft: 3 <i>ft</i>	Mainsail: 650 <i>ft²</i>
Jib: 250 <i>ft²</i>	Designer: James Wharram

1 Hull Structures

- Hulls, decks, houses, and cockpit in H60 Divinycell foam with biaxial and triaxial fiberglass skins inside and out
- Exterior hull skins in vinylester resin
- High load areas reinforced with Coosa board inserts
- Hull to deck joint fibreglassed on interior and exterior with three layers of 1708 biaxial tapes
- Rub rails/lashing strakes in Coosa board with unidirectional and biaxial reinforcements
- Toe rails at deck edges

- Solid glass laminate cross beams
- Interior bulkheads, floors, and bunk tops in H60 Divinycell foam with biaxial fiberglass skins
- Interior and exterior paint is Awlcraft

2 Cockpit & Decks

- 7 *ft* long U-shaped settee at forward end of cockpit around a painted double drop-leaf table with wood trim
- Cockpit settee and helm seat cushions with Sunbrella covers
- Helm console with seating, instrument panel, and ice chest seat on forward face
- Helm seats are 4 *in* flow-through foam with Sunbrella covers
- Built-in cockpit ice chest
- Composite hard top bimini 12×14 *ft*² with anodized aluminum supports
- Storage for 2 20 *gal* propane tanks
- Storage for batteries
- Storage for 2 18 *gal* engine fuel tanks
- Slated wood decks between beams fore and aft
- Aft boarding stairs
- 2 aft trampolines
- 1 forward trampoline

3 Spars, Rigging, & Sails

- Mast and boom of custom built series 60 extruded painted aluminum
- Mast is 54 *ft* fractionally rigged and tapered above the hounds
- Mast is rigged with single spreader diamond shrouds, upper and lower shrouds, and forestay and includes internal conduit and wiring
- Low friction mainsail track batten car system
- Boom is 19 *ft* and configured with lazy jacks, stack pack, and a Dynex Dux main topping lift
- Headstay is $\frac{5}{8}$ *in* 1×19 316 stainless wire
- Upper and lower shrouds are in 13 *mm* Dynex Dux with Colligo Marine terminators and deadeyes
- $\frac{1}{4}$ *in* diamond shrouds in 1×19 316 stainless
- Forestay bridle in 13 *mm* Dynex Dux
- 2 chainplates built of $\frac{1}{2}$ *in* thick stainless steel
- Main halyard is high tech low stretch T 900 with 2-to-1 purchase
- Jib halyard is high tech low stretch T 900
- Spinnaker halyard is StaySet
- Outhaul and two reef lines trim to winches at mast base
- Line clutches port and starboard at mast base leading to two speed Lewmar 40 winches
- 3-to-1 purchase mainsheet leading to 2 speed Lewmar 44 winches at helm station
- 12 *ft* long main traveler track with 3-to-1 control lines
- Performance sail handling hardware by Harken, Lewmar, and Schaeffer
- 650 *ft*² mainsail of high quality Dacron with 6 full-length battens and 2 reef points with low friction sliding cars at all luff attachments

- 250 *ft*² jib with Dacron jib sheets and 2 speed Lewmar 44 winches
- Sunbrella jib bag

4 Engine, Controls, & Tanks

- Twin 15 *hp* Honda 25 *in* shaft high thrust outboard motors with power tilt
- Morse single lever engine controls
- 2 18 *gal* polyethylene fuel tanks
- Water separating fuel filter system

5 Steering

- Full mechanical steering with 48 *in* diameter composite wheel
- Rudders in Coosa board and biaxial fiberglass attached with Spectra lashings
- Aluminum tillers and tiller bar

6 Deck Hardware

- 4 12 *in* stainless steel primary mooring cleats
- 4 teak midships cleats
- 40 *lb* Rocna anchor with 60 *ft* $\frac{3}{8}$ *in* chain and 200 *ft* $\frac{5}{8}$ *in* nylon anchor rode
- Electric windlass mounted over chain locker in forward deck

7 Access & Ventilation

- 2 sliding companionway hatches with acrylic dropboards
- 4 hinged deck hatches
- 2 Lewmar size 40 hatches with screens for main bunk and dinette

- 2 Lewmar size 40 hatches with screens for galley and office
- 6 fixed portlights of $\frac{1}{4}$ in tempered smoked safety glass

8 Interior Accommodations & Finish

- Main cabins, head, aft stateroom faired and painted with Awlcraft
- Oiled and varnished wood trim in main cabins
- Saloon dinette table is varnished hardwood
- Saloon dinette cushions with fabric upholstery
- Main bunk cushion is 4 in high quality foam with with fabric upholstery
- Forward and aft storage holds port and starboard painted with white elastomeric paint
- Foc'sles port and starboard painted with white elastomeric paint

9 Galley

- 2 burner propane stove
- 1 20 gal propane tank
- Propane control system
- 4 ft³ top-loading icebox with 5 in foam insulation
- Cabinets with drawers, cupboards, shelves

10 Plumbing

- 40 gal fresh water polyethylene tank
- Stainless steel deck fills to fresh water tank
- Fresh water pressure pump system

- Fresh water faucet on aft deck
- Head in port hull
- Stainless steel head and galley sink and fixtures
- Manual flush marine toilet
- 40 *gal* waste holding tank under head floor

11 Electrical

- 2 205 A/H 4D deep cycle batteries
- 2 70 A/H starter batteries
- Batteries connected to electrical system through 4 battery switches to control power supply
- Main electrical distribution panel
- Feed from battery protected with 100 *Amp* main fuse block
- Port, starboard, and stern navigation lights
- Mast-mounted steaming light
- Masthead anchor light and tri-color light
- 12 LED interior lights
- 2 LED cockpit lights
- 2 12 *Volt* receptacles

12 Additional Provisions

- BoatSmith's *Ariki* performance sailing catamaran built to these v1 specifications is US \$299,000 FOB BoatSmith, West Palm Beach, Florida.
- BoatSmith may alter specifications at its discretion to improve quality.
- BoatSmith warrants that the *Ariki* built to these v1 specifications shall be free from manufacturing defects.