Ker 50 Racer Cruiser

Preliminary Specification:
CONSTRUCTION

• Hull and deck E-Glass / carbon epoxy Corecell foam sandwich construction

• All composites post cured

• Carbon reinforcement in the hull where needed.

• Carbon rudder stocks and blade

• Hull and deck parts molded from female tooling to minimize fairing and save weight

• Composite parts infused to control resin content, fiber ratio and improve strength to weight ratio

• Interior furniture constructed from light weight panels Finish

• Exterior Paint Solid Color (Light Color std.) (Dark or metallic optional)

• All horizontal surfaces to be painted nonskid with teak cockpit floor and cockpit seats (all teak deck optional) Vertical and trim painted Matterhorn White

• Hull Bottom: to be finished with Epoxy Primer

• Stb. Sail locker, cockpit lockers and bow locker to be painted with no fairing

• Main saloon and for/aft cabins to have composite flooring with owner choice of surface finish. (wood veneer laminate)

• Main Saloon Furnishings to be light paneling with wood Veneer laminate

• Main Saloon hull sides and deck to be headliner and wood veneer laminate.

• Galley sink to be stainless

• Countertop to be Corian (owner specified)

• Companionway Steps to be finished in clear coat Carbon treads and painted vertical surfaces

• Nav top to be wood veneer laminate

• Head to be satin finish, flooring with nonskid.

• State rooms to be finished similar to Saloon.
Deck Layout

- Hatches and Portlights
- Composite bow locker hatch
- Steering access composite hatch
- 2x Size 10 portlight under cockpit seats
- Centerline fixed Glass smoke grey panel, this allows natural light throughout the interior.

- Foredeck
  - Below deck Harken MKIV Unit 3 Furler and single line control, and anchoring location below decks in a watertight self draining compartment
  - 2x Composite fiberglass bow pulpits
  - 2x Nomen 200 folding deck cleats

- Mid Deck and mast base
  - 1x Harken 32mm track for self tacking Jib with Pin stops and track ends 1:1 jib purchase
  - Outboard Carbon Chainplates recessed in the hull to deck joint with Stainless custom pin set.
  - 3x Harken 1990 Mastbase Halyard Blocks for Main and 2x jib halyards
  - 4x Harken 1988 Mastbase Halyard Blocks for 2x spin halyards and 2x reef lines
  - 2x Harken 727 Sheaves for under deck custom organizer.
  - 10x McConaghy composite stanchions (spreader shape or round)

- Companionway and Secondary winch area
  - 2 x Spinlock ZS1214 Clutches for Cunningham/1st reef and 1:1 jib
  - halyard with Micro cam remotes
    - 2 x Spinlock ZS0810 for spin halyard, 2:1 Mainhalyard with Micro cam remotes
    - Single Smoke Grey hatch board
    - companionway slide
    - 2 x Harken 646 Stainless padeyes on the rail for spin sheet blocks
    - 2 x Harken 3196 75mm Loop blocks for on the rail for spin sheets

- Winches Package by Harken
  - 1 x 46RWA Performa Rewind Electric Secondary/Jib sheet Winch
  - 2 x 50.2STA Performa Primary Winches (Electric Optional)

- Cockpit aft
  - 2 x Harken B10ASG 10” aluminum winch handles
• 2 x McConaghy clear Coat Carbon winch handle holders
• 1 x Harken T3204B HL 32mm traveler Car with stand up toggle
• Harken HydroTrim mainsheet ram
• 1 x Antal 809.01 Tulip sheave mounted in center of cockpit for mainsheet
• 2 x McConaghy standard Bullet style clear coat pedestal with instrument pod
• 2 x 900mm Clear Coat Carbon fiber wheels
• McConaghy standard flush helmsman adjustable foot chalks
• 1 x manual bilge pump
• 2 x composite stern pulpits
• 2 x Nomen 200 folding deck cleats
• 1 x Whale Twist Cockpit shower with Hot and Cold
• 1 x water inlet to pressurize the water system.
• 1 x Harken 754 High Load sheave mounted in custom carbon

• sheave box to starboard for backstay lead under deck.
  • 1 x 100mm Carbo Block for split backstay

• Bow pole
  • Carbon Bow pole

ELECTRONICS (Navigation)

• Owner Decision list during purchasing. Fitted Solution available under Options.

ELECTRONICS (House)

• BEP C-Zone 24V Bus System which includes:
  • 1x C-Zone 3.5” display
  • 7 output interfaces
  • 5 input interfaces
  • Battery monitoring
  • Remote key fab with 4 controls
  • Battery switches for House and start battery
  • Shorepower connection
  • 6x Tank monitoring for Fuel, water and waste
  • 3x Bilge alarms
  • Mastervolt additional Alternator 24/110 include 3-step charge regulator and
    • custom bracket
  • Mastervolt 24v House Gel Cell Battery bank 400AHr
  • Mastervolt 12v AGM start battery
  • Mastervolt Mass Combi Inverter / Charger with 24vdc-1600W inverter – 30A charger
  • Mastervolt master bus control and fail-safe system
  • 2x Mastervolt DC/DC converter 24vdc – 12vdc

• LED lighting including
  • Courtesy lighting below with switch at the companionway
  • Courtesy boom lighting which can activate using the C-Zone fab
  • Overhead lighting
• Red white engine room and sail locker lighting
  • Reading lights in the main cabin and forward/aft cabins.
  • Isotherm 200L refrigerator/freezer compressor with McConaghy custom top loading refrigeration compartment.
  • Microwave oven outlet
  • AC outlets in the Galley, Nav. Station and head.
  • 2x 12v DC outlets in the Nav. Station
  • All interior cable marine grade tinned and aerospace cable used when applicable.

**Engine and Propulsion**

• Yanmar 75 HP sail drive
  • Exhaust Elbow
  • V-Belt Cover (removed do to additional alternator)
  • 80amp standard Alternator
  • Cold Start
  • Digital C instrument Panel
  • Gori three bade folding 20” Propeller
  • 2 x 25mm engine insulation (total 50mm)
  • Ultraflex control cables with Spinlock control head mounted to starboard behind wheel
  • Duel Racor Fuel Filter
  • 2 x 200L fuel tanks with digital sensors picked up in C-Zone System
  • 8mm ball valves located at the pick-ups of each fuel tank.

**Rig**

• Axxon Standard Modulus Mast & Alloy Boom

**Running Rigging**

• A running rigging package has been allowed for.

**Sails**

• Sails not included and shall be owner supplied
Interior Fit Out

- All interior components to be lightweight panels
- Galley to include:
  - Double Stainless steel sinks with stainless drain and stainless faucet
  - 2 Burner Force 10 Gimbaled stove with stainless ABS required
  - Paneling around inside cut out.
  - Top access, 150L Refrigeration box with insulation
  - 4 good size drawers with 2x drop down cabinets below.
  - Cabinet storage over counter top
  - Countertop to be owner’s choice of Corian.
- Saloon to include:
  - Veneer laminate on light weight panels flooring
  - Cushions part of Cushion Allowance including Fabric, foam and all soft goods on deck and in all cabins
  - Light weight removable table with seating for 4 with wood veneer laminate
  - Aft facing Nav. top to be timber veneer laminate with lift up top.
  - Removable panel for install of electronics
  - Companionway steps removable
- Aft Cabins to be reviewed with Client.
- Port side head and shower
  - McConaghy clear coat Carbon electric Toilet with fresh and salt flush
  - Storage cabinet below counter top
  - Large mirror mounted on bulkhead
  - Sink and countertop
- Outboard cabinet storage
- Stand up shower and shower pump.
- Chrome shower mixer, chrome handset with handset bracket

- Owners stateroom
  - Double centerline bunk with storage underneath.
  - Open hanging locker
  - Flooring Veneer laminate on light weight panels
  - removable centerline panel
  - Wood Veneer laminate interior paneling

**Plumbing**

- 1x 40L Isotherm Water heater with heat exchanger off engine and 220V Shore power capable and Thermostatic mixing valve.
- 2x 200L Water tanks with level sensor and Ball Valve shut offs at each tank
- Whale Universal 18L 24V water pressure pump with filter and 1L Jabsco accumulator tank
- Whale System 15 quick connect fresh water plumbing
- Whale Gulper IC shower and sink drain discharge system with two way manifold IC
- 2x Henderson manual Bilge pumps. One fixed in cockpit one roaming mounted below to meet cat. 1 offshore racing.
- 1x Rule 1500 automatic bilge pump
- 1x 60L holding tank with high end Triton sanitation hose, Y Valve for tank and overboard use.
- Deck fills for Water, Diesel and Waste
- Whale Twist Cockpit shower
- Flowtech flush thru hulls throughout
- Water pressure intake for dockside water to pressurize water system

**Steering and Keel**

- McConaghy Custom Steering System:
  - 2x Carbon Clear Coat 900mm Diameter Wheels
  - 2x McConaghy Standard Bullet style clear coat Steering pedestal
  - Stainless Steel Roller Chain Sprockets
  - Steering Cables of 5/16” Vecran
  - 1x composite tiller arm
  - Carbon Rudder Post and rudder blade
  - Harken Steering Sheaves
• Self Aligning JP3 upper and lower bearings
• Composite quadrant with dyneema rudder stops
• Aluminum emergency tiller
• Keel and lifting system:
  • Steel keel fin with fiberglass cover faired
  • 3% antimony lead bulb mechanically fastened and faired.
• Lifting Hydraulic ram

• The price is ex-factory in Zhuhai China and does not include the shipping of the rig.
• Price not include the commissioning of the rig or rigging by a rigging specialist.