

AKILARIA CLASS 40

STANDARD VERSION

BASE BOAT SPECIFICATIONS

STANDARD VERSION BASE BOAT INCLUDES:

HULL

Sandwich construction with vinylester resin in female molds. Balsa core in hull, PVC foam in deck all constructed using infusion process. Hardwood inserts in way of all hardware. Monolithic (solid glass) areas in way of sail drive, keel, rudder bearings, thru-hulls, crash box.

Reserve buoyancy of 3 cubic meters of foam per Class 40 rules.

Cockpit, Cabin Top, Cabin Sides, Transom, Internal Structures.

Sandwich construction with vinylester resin, PVC foam and infusion process on all components. All halyards and lines from mast and inboard end of boom turn aft at mast base, run through blocks and aft to jammer farms and winches on aft end of cabin top, port and starboard. Manual bilge pump in cockpit.

KEEL

Acier E 36 Structural Grade Steel – WELDOX 960

Rectangular box section fabricated steel blade faired to templates.

Lead Bulb

Design drawings, engineering specs, a detailed weld plan and post build ultrasound/X-ray testing and full compliant report provided with each keel.

Keel manufactured in France.

STEERING SYSTEM

Two rudders with solid stainless steel stocks as per class rules. Stock diameter is 49 mm.

F16PH stainless steel. JP3 self aligning water tight upper and lower rudder bearings.

Rudder structural grid is built using 316L stainless steel, rudder blade foam is 250kg/m³ and built with glass and epoxy resin. Rudders are connected below deck with an aluminum tube. Two laminated, varnished tillers in cockpit port and starboard, with adjustable stainless steel foot rests for support when heeling.

MAST and RIG

Manufactured by Lorima/ZSpars in France of pre-preg carbon and autoclaved.

Mast is built in female tool. Mast is deck stepped with double swept back spreaders (aluminum) and running backstays. Mast is finished with clear coat polyurethane. Mainsail track is Antal with removable gate for square top mainsail.

Shrouds and headstay are rod rigging, adjustable inner-forestay and running backstays are Kevlar.

HARDWARE

Harken winches, blocks and organizers. Spinlock rope clutches. Lewmar hatches and Wichard deck hardware.

Pulpits, pushpits, stanchions and chainplates in 316L polished stainless steel.

BALLAST SYSTEM

Two tanks each side with a total of 750L/side to conform with Class 40 rules. 268L aft tank. 464L forward tank. Six watertight inspection hatches made by Henderson.

Tanks are filled and or emptied via centerline SoFoMarin scoop and electric high volume pump. Discharge and transfer is via gravity.

INTERIOR

Aft under cockpit P&S pipe berths adjustable to angle of heel via block and tackle.

Settee bunks P&S main cabin with storage lockers at fore and aft ends.

Central "Open Boat Style" navigation station with upper and lower pod for instruments and computers. Angled chart table seat with storage under.

On forward side of navigation pod is galley surface with sink, stove and drop down counter space area with storage under

48L Vetus fresh water tank

Bilge pump with float switch.

Utility bilge pump with roaming hose.

Marine Head located stb'd side aft of main bulkhead.

ENGINE

Nanni 3.100 HE diesel engine fresh water cooled with sail drive.

Three cylinder in line engine- 29 HP at 3,600 RPM

Engine panel with key start and RPM gauge mounted below

Oil pressure and water temp. alarms in engine panel

High quality marine exhaust hoses, waterlifts, seastrainers, thru-hulls, exhaust ports, etc.

88L Vetus Fuel Tank with remote shut off.

Custom Deck Package

Floating titanium ring and sheeting system, P&S

Upgraded main sheet system

Two Tylaska snap shackles

Five Equiplite snatch blocks

Navtec swivel lashing eye on inner forestay lower fitting

2:1 Antal main halyard block

Hardware and line for code sail continuous furling system

Hardware and line for 2:1 tack line system

Hardware and line for 2:1 adjustable inner forestay set-up

Bobstay

11 Line storage bags

Cushions and Canvas

Custom sail cradle to fit boom with vertical side panels incorporating Lazy jacks

Sail cover

Pipe berth cushions

Nav seat cushion, ultra suede

Vestibule cushions (2)

Settee and V berth cushions

Misc.

Spinlock engine control lever

Adjustable SS foot rests, P&S at helming station.

Adjustable height cradle

Custom central pushpit for antennas on transom centerline

Gimbaled one burner "Origo" non-pressurized alcohol stove

Electrical System:

Two 12 position breaker panels

Three battery switches- house bank, engine start, parallel

Two bilge pumps with switches

Two DC outlets at chart table

Two LED chart table lights

Four fans

One Optima engine start battery

Three Lifeline 100 amp hour Group 27 AGM batteries for house bank

Balmar digital, programmable regulator

Balmar Duo charge combiner

Mastervolt battery monitor

All cabling, wiring, junction boxes, fuses, bus bars, etc.

Commissioning:

Epoxy barrier coat and antifoul paint to bottom, keel, rudders.

Fit and bond keel

Fit and install rudders

Launch

Step mast, tune rig

STANDARD VERSION OPTIONS: (See price list for specific costs)

B&G Autopilots and Sailing Instruments

B&G H3000 ACP 1 Autopilot Processor (2)

B&G H3000 Graphic Pilot Display (GPD) (3)

B&G H3000 Hercules Instrument Processor

B&G H3000 Graphic Function Display (GFD) (4)

B&G Type 1 Linear Drive (1)

Raymarine Type 2 Short Linear Drive (1)
B&G RRI (2)
B&G Halcyon 2000 Compass Sensor (1)
B&G Halcyon Gyro-Stabilized Compass (1)
B&G Halcyon Interface Cable (2)
B&G Speed Sensor w/flush housing (2)
B&G Depth Sensor w/flush housing (1)
B&G 213 Standard Masthead Unit
All necessary junction boxes, switches, cabling and labor

Computer System

Lenovo ThinkPad T61
17" 12VDC Monitor
Actisence Multi-plexer
SeaLevel Quad Port Serial USB Adapter
Keyboard
Trackball
Docking Station
DC Charging
All labor, cables, wiring, interfacing and set-up

Software

MaxSea Commander
MaxSea Weather routing module
MaxSea Sail Performance module
OCENS WeatherNet
UUPlus email
EasyMail Sat C
Installation and activation

Carbon Fiber Pole
Carbon Fiber Boom
2nd Alternator 150 amps + regulator
Gori Racing Prop
Ballast System - Racing
Performance Running Rigging Pkg
Holding Tank
2nd Pilot Support
14T Kevlar Anti-Torsion Fiber Headstay for Solent
Facnor Drum Style furling Unit and Top Swivel - Solent
Facnor FX 4500 Continuous Line Furler, Top Swivel and 2:1 Block, Code 0
Masthead.
Facnor Code Sail Top Swivel & 2:1 Block - Code 5 Fractional
Sails
Fenders (4), Fender Covers (4) and Dock Lines (5)
Anchor Pkg: 15lb Fortress Anchor, Bag, 150' 1/2" Rode, 30' 5/16" Chain

LED Interior (10), LED Deck and Masthead Nav Lights
Inmarsat Mini C with Distress Button
Iridium Satellite Phone with Passive Antennae
Radar, GPS + NMEA Interface
Active Radar Transponder with Alarm
DSC VHF