

ALPHA 42

Owner Version - "SAIL AWAY" Standard Specifications & Inventory

GENERAL CHARACTERISTICS:

Length (LOA):	42'1"
Beam (max):	23'10"
Draft (keel or daggerboard):	3'6" foil keel 28" daggerboard up/ 6'8" down (option)
Air draft (mast above water):	62' (US Intercoastal Waterway capable)
Displacement:	9.2 T
Sail area:	
- Self Tacking Solent Jib:	369 sqft
- Mainsail:	569 sqft
- Reacher on furler (optional)	1,076 sqft
Engines:	(2) x 30 hp Yanmar 3YM diesel (40hp option)
Tank capacities:	
Freshwater:	approx. 150 US gallons total in (2) x 75 gallons long range tanks
Diesel:	approx. 125 US gallon long range tank
Naval Architect & Engineering:	Marc Anassis NA, Alpha-1 Composites
Concept & Interior Design:	Aeroyacht Ltd.
Builder:	Alpha 1 Composites, Patchogue, NY USA

The Alpha 42 is built to ABYC Specifications (American Boat and Yacht Council) and is NMMA (National Marine Manufacturers Association) inspected and certified.

CONSTRUCTION:

Composite Structure:

Vynilester hybrid composite hulls and decks with closed cell foam core hulls. Nydacore bulkheads and Divinycell foam sandwich core to provide insulation, rigidity and light weight. Monolithic bilges for strength, resistance to impacts, perforations and beaching. Reinforced, solid-monolithic stratified hull underneath waterline and keel shoe housing performance foil keel or high performance daggerboard (option). Keel is completely sacrificial and in case of holing or grounding does not impact on watertight integrity of hull. All bulkheads use the ["STITCHED" BULKHEAD TECHNOLOGY](#) and are manually laminated to the hull to provide maximum structural rigidity. Rudders and skegs in Vynilester laminates.

BRIDGEDECK-SALOON:

General:

Woodwork in exotic wood veneer
 Interior salon / cabin soles: laminated type wood veneer composite
 Settee cushions in "off-white" color
 Standing headroom (6'5"-6'3")
 Saloon cushions in 4" thick polyester foam

Salon:

Salon accessible through a sliding Plexiglas door (2 doors) in white aluminum frame
 Ventilation by 2 opening frontal hatches
 1 U-shaped settee couch
 saloon dining table interchangeable with smaller and lower cockpit lounge table
 large lockers under settee seats
 Lighting by LED spotlights

Galley:

Galley opening onto cockpit
 Galley countertop in Corian type
 Stainless sink
 1 trash bin with top access, bags removed through independent door
 Pressurized hot and cold freshwater from mixer faucet
 1 Force 10 - Perigord propane oven
 1 Force 10- Eno 3 burner propane stove top with potholders
 12V(4.6 cuft.) 130 liter Isotherm stainless steel refrigerator
 Large lower stowage locker under sink
 Lighting by LED and one fluorescent light
 Ventilation by 1 opening hatch above stove top

Navigation station:

Chart table with carbon instrument fiber face
 Navigation seat with backrest and cushion
 Console for 12 V electrical panel and navigation instruments, including a stowage space inside the chart table
 1 x 12 V outlet

OWNERS VERSION

spacious owner's suite to port + 2 double cabins to starbord

PORT SIDE HULL

Owner's Stateroom:

Access to the Owner's suite through sliding wood joinery door
 Standing headroom (6'5-6'7")
 Queen Size double berth (60x81")
 5" comfort foam mattress
 2 large storage compartments under berth with frontal access locker plus access under mattress
 Hanging locker with interior shelves with joinery front
 Bookshelf alongside berth
 2 coat hooks
 Ventilation via 1 overhead hatch, 1 hull port light
 Large fixed hull port light window
 General lighting by 1 LED spotlight and 2 berth side reading lights

Owner's Suite Salon:

Lounge settee with small shelf/desk
 Settee cushion in "off-white" color
 Standing headroom (6'5-6'7")

Wood Joinery desk with reading spot light
 Large storage and hanging locker
 1 escape hatch opening under bridgedeck
 Large fixed hull port light window
 General lighting by 2 LED spotlights

Owner's Bathroom:

Access through wood joinery door
 Standing headroom (6'5")
 Counter top with built-in washbasin and mirror
 Storage area behind mirror closet
 Manual marine toilet
 11 gal (45 litres) black water holding tank
 Bathroom accessories (toilet tissue holder + towel holder)
 Separate shower accessed via clear composite door with electric drainage sump pump with strainer
 Ventilation via 1 deck hatch
 General lighting by LED spotlights and one fluorescent light

Storage Forepeak:

Access deck hatch
 Standing headroom (6'2")
 Finished in gel coat
 Utility light

STARBOARD SIDE HULL

Guest Cabin Aft:

Access via passageway through wood joinery door
 Standing headroom (6'5-6'7")
 two large single berths over under/offset
 5" comfort foam mattress
 2 large storage compartments under berth with frontal access locker plus access under mattress
 Hanging locker with interior shelves with joinery front
 Bookshelf alongside berth
 2 coat hooks
 Ventilation via 1 overhead deck hatch
 Large fixed hull port light window
 General lighting by 1 LED spotlight and 2 berth side reading lights

Bathroom:

Access through wood joinery door
 Standing headroom (6'5")
 Counter top with built-in washbasin and mirror
 Storage area behind mirror closet
 Manual marine toilet
 11 gal (45 litres) black water holding tank
 Bathroom accessories (toilet tissue holder + towel holder)
 Separate shower accessed via clear composite door with electric drainage sump pump with strainer
 1 hull port light + deck ventilator with 12V extractor fan
 1 escape hatch opening under bridgedeck
 General lighting by 1 LED spotlights and one fluorescent light

Guest Cabin Forward:

Access via passageway through wood joinery door
Standing headroom (6'5")
Double berth (60"x74"x42")
5" comfort foam mattress
2 large storage compartments under berth with frontal access locker plus access under mattress
Hanging locker with interior shelves with joinery front
Bookshelf alongside berth
2 coat hooks
Ventilation via 1 overhead deck hatch, 1 hull port light
Large fixed hull window
General lighting by 1 LED spotlight and 2 berth side reading lights

Forepeak:

Access via deck hatch
Standing headroom (6'3")
Finished in gel coat
Utility light

DECK LAYOUT:**Helm station:**

Ergonomic helm station allows a clear view forward
2 Engine controls,
1 compass with internal light
Panel for navigation electronics.
Fixed double helmsman's seat with backrest
2 built in cup holders

Cockpit:

8 person settee
cockpit lounge table interchangeable with larger and higher saloon dining table
2 cockpit seat lockers
aft walkway/lounge platform

Foredeck:

Generous forward trampoline-cockpit with built in bench seat
1 large chain locker
Propane cooking gas locker built-in to the forward locker

Engines:

2 x 30 hp Yanmar diesel engines with sail drives
2 blade fixed propellers
Raw water filter
Engine cooling by heat exchanger
Complete engine panel and dual controls at steering station
Engine access through GRP deck hatch
High-performance sound insulation
Lighting via fluorescent light

Fuel system:

(1) 125 gal (473 litres) pvc long range fuel tank with filler plate in cockpit seat
Electric fuel gauge (indicator on 12 Volt panel)
1 fuel pre-filter / water separator + 1 engine fuel filter
Fuel shutoff valve accessible in cockpit seat locker

Fresh Water System:

Total of 150 gal in 2 polypropylene freshwater tanks of (2) x 75 US gallons with electric gauge
1 electric pump and pressure accumulator
1 water heater 6 gal (engine water jacket driven)

Bilge Pumps:

1 automatic electric bilge pump in each engine bilge compartment
1 automatic electric bilge pump in each center hull bilge compartment
1 manual exterior bilge pump with 15' hose

Black water system:

2 manual toilets
Two 11 gal (45 litres) black water holding tanks
overboard discharge deck fitting

Power system:

2 x 12V engine alternators with battery charger
1 bank of starboard house/engine batteries of 300Ah
1 port engine battery of 100Ah
Emergency power crossover circuit with switch

12V electrical distribution panel:

General 12V distribution panel at chart table protected by labeled circuit breakers
Charge voltmeter for house batteries at nav station
Spare outlets for extra equipment

Mast and boom:

Mast and boom in anodized aluminum
Complete stainless standing rigging (forestay and 2 side shrouds)
Mainsail luff cars on low friction sliders
1 main halyard with leads halyard back to helm station clutch
1 topping lift with leads line back to helm station clutch
1 Self tacking Solent Jib halyard leads halyard back to helm station clutch
3 pre-fed leach reef lines with boom jammers lead back to helm station clutches
2 Lazy-jacks with clutches
2 flag halyards with cleats
Masthead mounted LED navigation and 360 degree anchor lights
Mast mounted LED deck and steaming lighting
Prewired VHF antenna cable in mast

Sails:

High quality Dacron full-batten mainsail (square top)
High quality Dacron self tacking Solent Jib on furler

Mainsail and Self tacking Solent Jib:

Mainsheet leads mainsheet back to helm station
 Low friction mainsheet traveler along aft cockpit seat
 2 mainsheet traveler tackles with sheet clutches
 1 Self tacking Solent Jib track on coachroof
 1 Self tacking Solent Jib sheet lead to helm station clutch
 2 self-tailing winches for Main and Solent Jib sheets

Mooring Equipment:

35 Lbs CQR anchor
 Anchor exit under bridgedeck with bridle included
 100' of anchor line with 30' 3/8" chain leader
 1 1000 Watt electric windlass with foot switch remote
 7 mooring cleats (2 forward + 2 midships + 2 aft + 1 chain locker)
 4 x 30' dark blue dock lines

Steering System:

Manual steering system for maximum feedback with cables and destroyer type stainless steering wheel
 2 rudders mechanically linked by stock levers and transversal tube
 1 emergency tiller

Other equipment:

3 winch handles, 2 pockets
 Pulpits and pushpits, stanchions with upper and lower lifelines
 Lifeline openings at transoms
 1 swim ladder
 1 anchor roller fitting on forward beam (for emergency anchor)
 Close mesh comfort trampoline net on forward beam
 1 hot and cold water deck shower in starboard transom

NOTE:

All specifications and dimensions are given as a rough guide only. In an effort to improve the ALPHA 42 catamaran, the builder - Alpha 1 Composites may change specifications without notice. This document is non-contractual