



Nichols Diversified Industries 32'x 11'-6" Aluminum Catamaran Specifications, Standard & Optional Equipment

HULL STRUCTURAL:

- 32' LOA x 11'-6" aluminum catamaran landing craft. 5086 marine grade aluminum plating and 6061-T6 marine grade extrusions 1/4" bottom plate, 3/16" side plate, 3/16" flanged transverse and longitudinal structural framing on 30" centers, with 2 watertight bulkheads per hull.
- Additional 1/4" beaching wear plates on forward sections of hulls, extending 6' aft
- Electric winch operated bow landing ramp, safety latches for security while underway and locking at horizontal/halfway point
- Bow stem mounted push/dock landing knees with vessel tow eyes incorporated
- Pipe frame swim platform with integrated kicker engine bracket and non-skid paint finish
- All seams and joints fully welded with 100% penetration for maximum strength and durability. All components are CNC router cut from CAD drawings to ensure accuracy
- Built to USCG and ABYC standards (not classed)

HULL FINISH:

- Forward anchor locker with drain and hawse pipe.
- Fore deck mounted anchor roller.
- Forward port covered luggage storage area with open back.
- (2) transom mounted 6" x 6" anode plates.
- (8) 10" cast aluminum cleats with full perimeter weld.
- (2) 24" x 15" watertight deck hatches
- Transom mounted tow bitt
- Self bailing deck with freeing ports
- 1-1/4" sch 40 handrails around aft cockpit
- (2) Downrigger mounts in aft cockpit with 12VDC receptacles
- Forward and aft cockpit anchor storage brackets
- Provision for boat hook storage
- Rocket launcher style, roof mounted, pole storage for (6) fishing poles
- (2) Engine room access hatches, approx. 36" x 60", with gas shock lift assist opening to 90 degrees
- Ladder for access to cabin rooftop, re-locatable to swim platform

PROPULSION:

- (2) Volvo-Penta D6-370 diesel engines with Duo-prop DPH stern drives with counter rotating nibral prop sets. Inline 6 cylinder, 4 cycle, overhead valve diesel engines with electronic fuel injection for performance and low emissions. EPA Tier II compliant.
- Volvo-Penta EVC system with electronic controls, gauges, and engine management
- Volvo-Penta hydraulic steering with power assist and destroyer spoke wheel.

ELECTRICAL:

- System design and installation to ABYC and USCG standards
- Blue Sea Systems combination 12 VDC/110VAC distribution panel with reverse polarity indicator, analog voltmeter & ammeter. Main DC breaker and circuit protection for all circuits.
- 110VAC 30 amp shore power, 50' Marinco cord, house inlet, (2) interior receptacles, Charles Industries 40 amp 12VDC 3 bank "smart" battery charger and galvanic isolator.
- (2) 4D marine cranking batteries in plastic boxes with battery selector panel for engine starting.
- (1) House Battery
- Auto-charge relay for automatic charging of all batteries from engine while running.
- Contura waterproof rocker switches at dash for frequent use or quick access items like bilge pumps, wipers, horn, etc.
- (3) 2 speed self parking windshield wiper motors with pantograph arms and blades.
- USCG approved 2NM LED navigation lights.
- USCG approved 2NM all around white anchor light.
- Dual trumpet horn on cabin top.
- (6) Dual color overhead cabin lights (red/white).
- (2) 12 volt DC power point – (1) at helm console and (1) aft steering console.
- Ritchie B81 flush mount compass at helm with red illumination for night use.
- (4) 55w halogen deck floodlights, 2 forward facing, 2 aft facing
- MP3 Amplifier with 2 interior and 2 exterior speakers
- Jabsco 6" 200,000cp remote controlled searchlight (chrome plated)
- Docking lights, 50 watt halogen lamps in SST housing, recessed mount

MECHANICAL:

- (6) Rule #9 2000gph bilge pumps with automatic float switches and manual dash controls.
- 12VDC winch for landing ramp control with console mounted control switch
- Aft cockpit helm with main engine controls and steering, start/stop panel without gauges.
- 40,000BTU Cabin heater, plumbed to engine, with defrost ducts to windshield panels and ducts for cabin heating, with 3 speed fan
- (2) 125 gal. fuel tanks with 1-1/2" fill and 5/8" vent, with fuel level sending unit
- EZ Pull 12VDC Pot Hauler, 300# capacity
- Racor fuel/water separating filters, individual units per engine.
- Xintex-Fireboy automatic fire extinguishing system in engine spaces with monitor panel

PILOTHOUSE STRUCTURAL:

- 7'-3" wide x 10'-8" long Pilot house built with 5052 marine grade aluminum, stiffened with 6061 flat bar and angle extrusions.
- Forward raked 3 panel windshields.
- (3) windows per side with fwd port window slide opening
- Starboard sliding entry door with drop window and deadbolt lock.
- Aft bulkhead sliding entry door with drop window for ventilation and keyed lock.
- All doors and windows manufactured by Diamond SeaGlaze
- Exterior overhead handrail port and starboard on visor edge.
- Grabrails throughout cabin near seating
- Electronics shelf above helm console with DC fuse panel for electronics installation
- Radar arch, 1-1/2" sch 40 pipe with mounting pads for radar and antennas. Raised to accommodate inflatable dinghy

PILOTHOUSE FINISH:

- Interior Zolatone paint finish for house interior.
- Commercial grade rubber non-slip flooring.
- Bentley's Marine Rivermaster helm chair with folding arms, pedestal mount with swivel/slider bracket and foot rest.
- Port and starboard bench seating with storage under cushions

- Port and starboard jump seats next to helm for reverse seating or forward facing kneeling
- Ballistic nylon upholstery upgrade for all seating cushions

EXTERIOR FINISH DETAIL

- Non-skid traction finish on all walkway areas.
- Mill finish aluminum exterior.
- Anti-fouling bottom paint (2 coats) with high-build epoxy sealer/primer (2 coats).

Terms, Conditions & Warranty

All work will be completed in a professional manner according to best industry standards and practices. All work will be completed using new materials and components. All structural components and fabrications by Nichols Diversified Industries, LLC (NDI) will be free from defects in workmanship and materials at the time of installation and for a period of 2 years under normal use. This warranty will not cover failures due to lack of maintenance, improper application or abuse. All non-manufactured items come with the original warranty from the manufacturer and will be warranted by the manufacturer according to their terms. All work will be performed in a professional, workmanlike, timely manner. This warranty will not cover loss of income or other costs incurred to return the failed component to the original manufacturer for repair. Warranty work will be performed by NDI staff at our production location upon return of the product to NDI by the owner or their representative. Warranty work done at the owner's site will incur transportation and lodging costs for the duration of the work to be completed.

We require a signed purchase agreement to proceed with construction of your vessel. We require a 30% down-payment at the time of order, 30% at the delivery of structural material and 30% due at engine delivery and the remaining 10% at vessel delivery. All changes to the original design and contracted items will be done via signed change order at a time and materials rate of \$65.00 per hour and cost plus 25% for materials.

All vessels will be sea trialed prior to delivery to the customer by NDI staff. Owners are welcome to participate in sea trials after the initial testing by NDI staff. All water deliveries and sea trials will be conducted in Langley, WA. at the Langley Small Boat Harbor unless noted otherwise. Delivery of vessels on trailers will be from our production facility in Freeland, WA.