



1060 COX ROAD • COCOA, FL 32926
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CITY OF PORT ST. LUCIE

HULL

- a) 16' Aluminum Hull Length – **V-Crimped Sides**
- b) 8' Aluminum Hull Width
- c) **27 SIDE HEIGHT - Recommend 26" Side Height**
- d) **22" TRANSOM HEIGHT – Recommend 25" Transom Height**
- e) .190 (3/16") 5086 – bottom, transom, Splash Plate (Marine Grade Aluminum)
- f) Sides & Bulkhead to be .125 thickness – 5086
- g) Two Recessed deck lids on bow of hull (**16" x 26"**) – framed with 1-1/2" aluminum hat channel, two drains, stainless steel lock and hydraulic shock (doors angled to sides of hull)
- h) **Bottom of hull will be reinforced with (9) 2" x 2" x 1/4" aluminum T-Bars – Full Length**
- i) **With Gussets on Every T-Bar at Transom**
- j) **3" Aluminum I-Beam cross brace**
- k) The bottom of the sides will have a 20 degree chine turned down to aid in maneuverability
- l) All bolts, nuts, washers, etc., will be stainless steel, except in engine stand where extra strength is needed.
- m) **RHINO –SURFACE ON BOW OF HULL -Standard Black – GGG-123**
- n) 1/2" Stainless steel bow eye
- o) 2 – drain plugs
- p) Bottom running surface of the hull will have 3/8 : black UHMW Marine polymer, siliconized crack resistant from within 8" of bow to stern installed with stainless steel counter sink screws
- q) 8" walk arounds with rhino non-skid surface - **total of 10" to include 2" Gunnel**
- r) **White LED Light under each side of walk-around – included in pricing**
- s) **Extended bow to front of passenger seating to be closed in - w/one access door hinged to rear of hull**
- t) **10 Gallon Cheater Tank w/Cooler Rack on top – Webb – Standard Green RAL6005 & Standard Black GGG-123**

ENGINE STAND

- a) Automotive built of 1" stainless steel tubing (16 gauge) - Square
- b) All mounts to be shock mounted to prevent vibration
- c) Mounting bracket to be incorporated into engine stand for the **50 gallon** fuel tank

OVERHEAD GUARD

- a) Built of 7/8" and 1" polished stainless steel tubing .065 wall, covered for protection with 2" x 4" .135 heavy gauge stainless steel welded wire (Round)
- b) Construction to include (2) installed 4' welded aluminum foam filled rudders with stainless steel rods, 4 polymer rudder bushings, 8 – stainless steel heim's joints
- c) Guard to be a separate part of engine stand with access door's - access doors to have hydraulic shocks
- d) **Stainless steel tabs for mounting of steering cable and wiring with rubber coated aluminum clamps**
- e) Safety guard installed on front of prop guard
- f) 18" x 10" Aluminum platform w/wiring for mounting of customer supplied Light Bar
- g) Rear Navigation Light mounted up side down in prop guard

SEATING – Bridge Style

- a) Side By Side Rear operator (Large Man Seat)
- b) Aluminum box w/stainless steel lock under operator seating
- c) Triple passenger front seating
- d) Tote basket under passenger seating
- e) **White LED light inside aluminum box under operator seating**
- f) Frames to be constructed 3/4" and 1" stainless square steel tubing .065 wall
- g) All seats to have cushions, rain covers and handles- Welded on Handles
- h) **White LED lighting under operator floor board**
- i) **Seat Covers – BLACK W/ GREEN STITCHING**
- j) **Rain Covers – BLACK W/ GREEN STITCHING**

INSTRUMENT PANEL – Angled and Upward for easy visibility

- a.) Center Aluminum instrument panel
- b.) Teleflex Oil pressure gauge (electrical) – Marine
- d.) Teleflex Amp meter (Marine)
- e.) Rocker Switches/ Bubble Breakers
- f.) Starter/Ignition switch (Marine type)
- g.) Teleflex Electrical tachometer w/hour meter
- h.) 2 - Accessory outlets
- i.) Teleflex Water Temperature Gauge
- j.) Teleflex Fuel Gauge
- k.) Instrument Panel Cover
- l.) Dual Switches for customer supplied Light Bar

BILGE PUMP

- a) 2000 GPH Auto Bilge
- b) 1-1/8" Discharge hose with thru-hull fitting
- c) **Water exit on operator side of hull**

STEERING

- a) Heavy duty 3/8" Cable Steering
- b) Steering handle to be located on the drivers left side
- c) Aluminum billet steering grip - black
- d) Stainless Steel Argutto bearings.
- e) Stainless Steel Lock Rings

THROTTLE

- a) Livorsi Electronic throttle control
- b) Throttle pedal assembly to be located on the drivers foot stand and to be operated with the drivers right foot

FUEL TANK

- a) 50 Gallon aluminum tank w/remote fuel fill
- b) Coast guard and BIA approved
- c) Shock mounted in rubber
- d) Fuel lines are Coast Guard approved

WATER COOLING SYSTEM

- a) Aluminum radiator (Large) Mounted Low
- b) Radiator hoses to be Coast Guard approved – Marine
- c) Rust resistant fittings
- d) Radiator to be mounted in shock mount rudders
- e) Aluminum expansion tank
- f) **Aluminum** overflow tank for coolant recovery
- g) Large heavy duty Hayden Oil Cooler w/ **braided oil lines and AN Fittings**

ELECTRICAL SYSTEM

- a) Dual Batteries w/Dual Battery Switch
- b) 100 amp Alternator
- c) All high current wires to 10 gauge in diameter
- d) All wires shall be encased in convoluted – high abrasive tubing
- e) Coast Guard approved running lights installed on overhead guard
- f) Two plastic battery boxes with tie-down straps
- g) Number 2 gauge battery cables
- h) Four position battery switch
- i) Navigation lights, red/white/green
- j) **All fuel lines and hoses – double clamped**

ENGINE (Automotive)

- a) **PCM 7.4 LS 525 HP EFI - Federal EPA certified – see attached brochure**
- b) Large fuel filter/water separator
- c) GM Starter, heavy duty
- d) JW Heavy Duty Flywheel
- e) Diacom Program

ENGINE REDUCTION UNIT

- a) **Century Drive Units CH 3 2.3 to 1 with Heavy Duty Black Hawk Belt**

PROPELLER

- a) 3-Blade 82" Sensenich JX Series

GRASS RAKE:

- a) 30" aluminum grass rake w/step and **side navigation lights**
- b) Covered nose - WITH RHINO NON-SKID
- c) **RHINO NON-SKID – STEP OF GRASS RAKE AND INSIDE GRASS RAKE, Sides of Grass Rake – Standard Black -GGG123**
- d) 40" Straight LED light installed in nose roll grass rake w/Lexan Cover

EXHAUST SYSTEM

- a) Stainless steel headers 3"
- b) Stainless steel flex pipe 3"
- c) 6-3" Stainless steel band clamps
- d) 2-3" Stainless steel muffler U-clamps
- e) 3" Magna flow mufflers
- f) 3" Stainless Steel Dump Pipes Thru Transom – For Exhaust

PAINTING

POWDER COAT PAINT AND PAINT – READ DETAILS

- a. **Prop Guard/Engine Seat Stands – Standard Green RAL6005**
- b. **Platform On Top Of Prop Guard – Standard Green RAL6005**
- c. **Rudders -Standard Green RAL6005**
- d. **Aluminum Box Under Seating Arrangement – Standard Green RAL6005**
- e. **Instrument Panel – Standard Green RAL6005**
- f. **Aluminum Expansion Tank – Standard Green RAL6005**
- g. **Aluminum Overflow Tank – Standard Green RAL6005**
- h. **Seat Shells – Standard Black GGG123**
- i. **Webb – Fuel Tank - Standard Green RAL6005 & Standard Black GGG123**
- j. **Webb – Inside of Hull- Standard Green RAL6005 & Standard Black GGG123**
- k. **Sides of Grass Rake – Standard Black GGG123**
- l. **Rhino Non Skid – Standard Black GGG123 – Bow of Hull, Extended Bow, Covered Nose Roll, Inside Grass Rake, Floor Boards**
- m. **NO STRIPE – Customer Will Install Custom Graphics on Hull and Rudders**
- n. **Small Black – Diamondback Name on Sides of Hull**

TRAILER

- a) 16' x 8' Aluminum Trailer
- b) Galvanized rims
- c) Tandem 3500 Lb. Axles
- d) Frame 4" channel with 3" channel cross bars
- e) 2 safety chains, ½" diameter with hooks
- f) Tongue jack
- g) Spare Tire w/Mount
- h) 14" Tires**
- i) Easy load ramps w/three rollers on each ramp
- j) All carpeted boards
- k) Bow stop and winch with nylon strap
- l) LED lighting
- m) Transom tie down straps**
- n) Trailer will meet DOT requirements with all capacity labels
- o) Surge brakes on two axles

Delivery & Acceptance: Delivery shall be made within _____ days of the date of the purchase order.

The unit required and described by this specification shall be the manufacturer's latest basic production model and shall be equipped with all standard equipment in accordance with the manufacturer's latest literature. A copy of the literature shall accompany the bid along with any applicable specifications necessary to verify that the unit either meets or exceeds each of the following specifications:

_____ QUALIFICATIONS:

- A. Bidder shall be a licensed airboat manufacturer or authorized dealer of manufacturer.
- B. The airboat shall be designed to conform to all Federal, State, Marine, and safety regulation's
- C. The airboat shall be capable of eligibility for State of Florida Marine Vessel Registration.

_____ WARRANTY:

The airboat manufacturer shall provide in writing, a copy of manufacturers warranty.

_____ LEGAL DOCUMENTS:

The airboat will not be accepted without the following legal documents for proper State of Florida Registration:

1. Original Invoice.
2. Manufacturer's Certificate of Origin (Signed and Notarized).
3. Copy of Purchase Order.

____ ACCEPTANCE:

The Airboat (and trailer if applicable) will be inspected for workmanship. The paperwork (legal documents) will be inspected for completion.

NOTE: DIAMONDBACK AIRBOATS WILL INSTALL: CUSTOMER SUPPLIED VHF MARINE RADIO

AIRBOAT PRICE PER SPECIFICATIONS: \$79,518.75

TRAILER PER SPECIFICATIONS: \$9,462.00

August 4, 2022

MSRP OF AIRBOAT PER SPECIFICATIONS: \$87,494.69

MSRP OF TRAILER PER SPECIFICATIONS: \$9,935.10

August 8, 2022