



# THE AMPHIBIOUS MARINE-16



Surveyor-16, our newest craft features a more powerful engine for increased speed, payload and headwind capability. The proven carbon fiber belt drive prevents any slippage, has improved efficiency, requires no re-tensioning, and eliminates the need for belt covers or touch bars, simplifying maintenance. The new idlers feature a double sealed bearing for greatly improved service life over the older v-belt idlers.

Available July 2019



Amphibious Marine has a design forged from real world operation with a focus on cost-efficient, low maintenance craft. These rugged, custom built hovercraft can negotiate rough water, rivers, rapids, swamps, mud flats, & ice, while carrying heavy loads, with low noise and high fuel efficiency.

Durable construction includes stainless steel, aluminum, urethane coated fabrics and carbon/glass fiber composites. We also provide a full hovercraft maintenance, training and repair service.



- ▶ Recreation, fishing, duck hunting, exploration, & camping.
- ▶ Search & rescue, ice rescue, mud rescue, & flood water rescue.
- ▶ Fishing, easy access to shore line & skims over nets.
- ▶ Oyster and clam harvesting.
- ▶ Tidal area research and monitoring.
- ▶ Noxious weed abatement, & oil spill clean up.
- ▶ Commercial hunting and guide services.
- ▶ Surveys, pipe lines, drilling.
- ▶ Tender for larger vessels.
- ▶ Tourist attractions.
- ▶ May be utilized in areas that do not permit docks.



## SPECIFICATIONS AND OPTIONS

- ▶ **Dimensions:** 16' X 7.5' (4.9m X 2.3m) cushion, 103ft<sup>2</sup> (9.6m<sup>2</sup>) Length over all: 16' (4.9m). Cockpit space 100" X 52" (254cm x 132cm). Height: 7' (2.1m) off cushion. Cushion depth or hard clearance: 11.25" (28.6cm).
- ▶ **Payload:** 5 adults or 1100 lbs (500 kg) payload, includes people, fuel and gear.
- ▶ **Empty Weight:** 595 lbs (270 kg).
- ▶ **Speed:** 40mph (65 kph) maximum on water in flat calm conditions, 30mph (48 kph) cruise.
- ▶ **Fuel Use:** 1.6 gallons (6 litres)/hour at cruise
- ▶ **Hull:** Composite laminate, molded, epoxy vinyl ester resin, with glass fiber reinforcement and light weight cores . The craft is comprised of a hull, deck, and seven bulkheads all permanently bonded together. Three sealed compartments, front and rear provide 1500 lbs (680kg) of flotation. No wood is used in the construction of the craft.
- ▶ **Engine:** Kohler ECV-980 37 hp (27.6kw) EFI, 4 stroke, V-twin, aluminum block, gasoline engine. 61 cubic inch (999cc) displacement.
- ▶ **Drive System:** The simple and reliable drive system uses a vertical shaft motor to drive the lift fan directly and the propeller via a single carbon fiber belt.
- ▶ **Thrust Propeller:** 76" (193cm), 3 bladed carbon fiber adjustable pitch propeller.
- ▶ **Lift fan:** 24"(61cm) 9 bladed adjustable pitch nylon fan.
- ▶ **Skirt System:** Multi-compartment skirt with front and inner divider curtains. Large diameter bag type skirt on sides and rear.
- ▶ **Skirt Material:** 35/23 oz/yd dual weight urethane commercial duty. Nylon reinforced. Approx. 1,500 to 2,000 hour life.
- ▶ **Brakes:** The brakes, controlled by the operator, reduce the pressure of the forward compartment allowing for smooth slowing, stopping and turning. A feature not found on any other hovercraft!
- ▶ **Noise Levels:** 82 dBA measured at 25m over grass, full power. 78 dBA measured at 25m over grass, cruise setting. The large diameter propellor reduces noise far below common hovercraft by making efficient use of power.
- ▶ **Warranty:** 24 months or 1000 hours.
- ▶ **Base Price:** \$Call/email at our facility (FOB Shelton, Washington)
- ▶ **Trailer:** Standard bunk trailer \$1,895 or Fly-on/off trailer \$5,895
- ▶ **OPTIONS: add prices below to base price**
- ▶ All carbon fiber composite body, increase payload 10%: \$2,800
- ▶ Carbon fiber Windshield frame with glass windows and a dual wiper/wash system: \$2,695
- ▶ Carbon fiber Windshield frame with glass windows and a dual wiper/wash system with partial dodger: \$3,245
- ▶ Full Enclosure, includes Carbon fiber Windshield frame with glass windows and a dual wiper/wash system: \$4,635
- ▶ Extra long life Urethane skirt wear film: \$695
- ▶ Stainless muffler/heat exchanger w/dash vents & dash control \$3,750
- ▶ Night time LED driving lights: \$895