



**AMPHIBIOUS MARINE
HOVERCRAFT for
BUSINESS & ADVENTURE**

EXPLORER-24

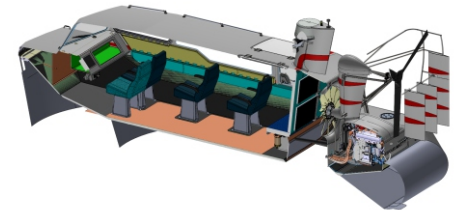


The Explorer 24 hovercraft is the most efficient, cost effective, saltwater capable hovercraft on the market today. We focus on simplicity of design, high quality materials and superior workmanship for low operating and maintenance costs. This vessel has been on expeditions up to 1800 miles to the Arctic.

Fully enclosed cabin with seating arrangements for 10-12 people. These craft are used for revenue generating operations such as tourist excursions and crew/supply transport. Individuals access remote cabins or cruise with significant advantages over tradition power boats. The possibilities here are virtually unlimited. Operating on a pressurized cushion of air the vehicle leaves virtually no wake at cruise speed, 32 mph, as it flies 16.5 inches above the surface. The vessel is powered with a Steyr commercial marine diesel engine producing 144 hp, cruising at 32 mph on 50% throttle, or just 3.4 GPH. State of the art construction features resin infused composite laminates of structural marine foam, glass fiber, carbon reinforcement and epoxy vinyl ester resin.



- Tourist attractions and transportation.
- 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.
- May be utilized in areas that do not permit docks.



SPECIFICATIONS AND OPTIONS

- **Dimensions:** 24' X 11' (6.7m X 3.4m) cushion, 227ft² (18.9m²) Length over all: 26' (7.9m). Cockpit space 153" X 76" (388cm x 193cm). Height: 8' 6" (2.59m) off cushion. Cushion depth or hard clearance: 16.5" (41.9cm). Note: craft automatically folds down to 8.5' (2.6m) for trailering.
- **Payload:** 12 adults or 2400 lbs (1100 kg) payload, includes people, fuel and gear.
- **Empty Weight:** 2300 lbs (1045 kg).
- **Speed:** 47 mph (75 kph) maximum on water in flat calm conditions, 32mph (51.5 kph) cruise
- **Fuel Use:** 3.4 gallons (12.8 litres)/hour at cruise.
- **Max Wave safe Height:** 4 feet (1.2m), sea state 4 to 5, operates comfortably in 2 foot(0.6m) chop.
- **Hull:** Resin infused composite laminate of structural marine foam, glass fiber, carbon reinforcement and epoxy vinyl ester resin. Three sealed compartments, front and rear provide 5000 lbs (2270kg) of flotation. No wood is used in the construction of the craft.
- **Engine:** Steyr marine diesel, 164 hp (120 kw), 4 cylinder, 2.1L, turbo charged, inter-cooled.
- **Drive System:** The lift fan and propeller are driven by Urethane/carbon fiber belts with hard anodized aluminum pulleys via a flexible coupling from the engine.
- **Thrust Propeller:** 84" (213cm), 3 bladed adjustable pitch composite propeller
- **Lift fan:** 34" 12 bladed adjustable pitch nylon/ fan.
- **Temperature:** -22 F to 105 F (-30 C to + 40.5C)
- **Skirt System:** Multi-compartment skirt, with fore and aft partitions. 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 two compartments allowing for smooth slowing, stopping and turning. A feature not found on any other hovercraft!
- **Noise Levels:** 83 dBA measured at 82 feet (25m) over grass, full power. 84 dBA measured at 82 feet (25m) over grass, cruise setting. The large diameter propellor reduces noise far below common hovercraft by making efficient use of power.
- **Warranty:** 2 years or 1000 hours, whichever comes first.
- **OPTIONS**
 - Cabin A/C/heat, 30,000 btu, engine driven
 - LED driving lights, mounts on radar mast
 - Trailer: Galvanized ground deployment trailer
 - Doppler radar with 12" display and carbon radar/LED light mast
 - Interior sound insulation and marine flooring to suit
 - Steyr engine diagnostic interface cable
 - Skirt: heat bonded urethane wear life extension patches
 - Hand held hot air skirt welder kit
 - 2nd Boarding Ladder

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