



EXPLORER-24

A NEW WAVE IN HOVERCRAFT TECHNOLOGY



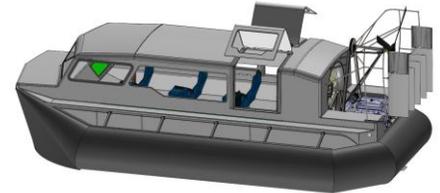
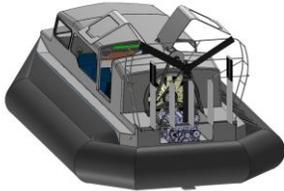
The Explorer 24 hovercraft is the most efficient, cost effective, saltwater capable hovercraft on the market today.



Fully enclosed cabin with seating arrangements for 10-12 people, is being used for revenue generating operations such as tourist attractions. Another use is as a personal cruising vessel with significant advantages over traditional 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, but cruises at 32 mph on 45% throttle, or just 3 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 wa
- ▶ 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 less than 8.5' (2.6m) for trailering.
 - ▶ **Payload:** 10-12 adults or 2200 lbs (1000 kg) payload, includes people, fuel and gear.
 - ▶ **Empty Weight:** 2100 lbs (953 kg).
 - ▶ **Speed:** 47 mph (75 kph) maximum on water in flat calm conditions, 32mph (51.5 kph) cruise
 - ▶ **Fuel Use:** 3.0 gallons (11.3 litres)/hour at cruise.
 - ▶ **Max Wave Height:** 4 feet (1.2m), sea state 4 to 5
 - ▶ **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 3000 lbs (1363kg) of flotation. No wood is used in the construction of the craft.
 - ▶ **Engine:** Steyr marine, 144 hp (107 kw), 4 cylinder, 2.1L, diesel powered, turbo charged, inter-cooled.
 - ▶ **Drive System:** The lift fan and propeller are driven by Gates poly chain carbon belts with stainless and 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.
 - ▶ **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:** 82 dBA measured at 50 feet (15.2m) over grass, full power. 78 dBA measured at 50 feet (15.2m) over grass, cruise setting. The large diameter propellor reduces noise far below common hovercraft by making efficient use of power.
 - ▶ **Warranty:** 1 year or 500 hours, whichever comes first.
 - ▶ **Base Price:** Call for factory direct pricing (FOB Shelton, Washington)
- OPTIONS: add prices below to base price**
- ▶ Salt water series: all necessary upgrades for saltwater use
 - ▶ Cabin A/C, 24,000 btu, engine driven
 - ▶ Camouflage paint scheme:
 - ▶ Trailer: Galvanized bunk trailer or Ground deployment trailer
 - ▶ Steyr engine control display, 7 inch LCD screen
 - ▶ Steyr engine diagnostic interface cable
 - ▶ Skirt: heat bonded urethane wear life extension patches
 - ▶ Hand held hot air skirt welder kit

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