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Issued 20-10-09

Hov Pod SPX: All Terrain Leisure Hovercraft (ATLH)

For more details, visit <http://www.leisurehovercraft.com/>



Hov Pod hovercraft are extremely easy to drive, and fantastic fun; wow factor comes as standard. Although small hovercraft may look similar, they differ greatly in terms of safety and performance. The majority of small hovercraft evolved from racing, and are manufactured by enthusiasts. Due to the weight dependency characteristics of hovercraft, most hovercraft are manufactured from very thin glass fibre, which is prone to shatter on impact. Race hovercraft are also prone to stopping suddenly on water, a characteristic referred to as ploughing-in and widely accepted as a normal constraint by hovercraft enthusiasts. Many smaller hovercraft have re-bored underpowered engines and struggle to get airborne from an on-water start, leaving users stranded and unable to reach home. The Hov Pod has been designed specifically for the leisure market and have many features such as anti-plough design, higher powered engines, high-impact hull material, CAD design, CNC engineering, marine grade stainless steel parts for salt water use (others use mild steel) and simplified operation, making them very suitable for rental operations.

Hov Pods are designed to be easy to use, easy to service, safe to operate, reliable, durable and fun, miles of smiles for everyone. The second generation SPX hull is manufactured from very strong, impact resistant HDPE which is far more durable than GRP, yet lightweight, and extremely buoyant; the Hov Pod is able to take over one ton in weight before water ingresses into the hull. The Hov Pod SPX hull is available in a choice of colours and with choice of new engines with full manufacturer warranty, choose either the very popular Rotax 582 65HP microlight engine with dual ignition system, or Weber Automotive 120HP 4 stroke Turbo charged engine for on-water payloads designed to get you home should you wish or have to stop on water. Described by the press as the "Mercedes Benz" of hovercraft & as supplied to the Red Cross, United Nations & many commercial operators, our product engineers had clear objectives to create a simple easy to use hovercraft that is reliable, durable and safe to use. The Hov Pod SPX is extremely buoyant and will float if swamped with water, whereas glass fibre craft can sink should the hull be punctured. HDPE allows us to manufacture hulls at a faster rate to improve delivery times and respond to growing demand. The Hov Pod skirt material is manufactured from Polyurethane /nylon weave almost impossible to rip & is extremely hardwearing. The skirt comprises of 65 segments, so should one segment get damaged, just that segment needs to be replaced, not the whole skirt. Previous to using this material, we used neoprene coated nylon skirts that proved vulnerable to ripping and UV degradation, and Hypalon, which is prone to ripping. Since adopting Polyurethane /nylon weave 2 years ago, very few customers have requested replacements. The craft has one simple set of controls which can be mastered in minutes and this together with high levels of safety incorporated as standard but unheard of in other craft make the Hov Pod an ideal craft for anyone. The Hov Pod can carry 3 adults at a top speed of 45 miles per hour over any flat surface, sand, sea, ice, grass etc.

Features	Benefits
Unique Hull HDPE construction	Extremely strong, lightweight and buoyant. Manufacturing able to respond to high demand through new manufacturing processes.
Fully Amphibious	Operate over water, land, riverbeds, grass, swamps, marshland, sandbanks, tidal regions, mudflats, weed, ice, snow, rocks and rapids.
No wash/wake	Minimal effect on surface, able to fly over eggs without cracking any, very light footprint.
Low Cost/Great value	Very affordable craft to purchase and maintain, able to go to locations inaccessible to other forms of vehicles, full all-terrain capability
Simple	Simple design with one engine minimizes unnecessary elevators, trim levers, low centre of gravity ensures great manoeuvrability
Safe	Our engineering team approached the Hov Pod design from scratch to eliminate known issues and safety issues with previous hovercraft designs.
Reliable	CAD/CNC technology to ensure superb engineering tolerances for minimum maintenance and maximum use and dependability
Easy to maintain	Fitted with high quality marine grade components & designed to be easy to maintain, supplied with excellent technical support documentation.
Skirt design	Unique anti rip polyurethane/nylon segmented skirt with 65 anti plough design segments fed from the IAPSS air management feed system.
Deployment	Easy to tow behind or carry on traditional vehicles, can be supplied with 45 second quick launch trailer.
No launching problems	Launch from mudflats, beach, and return to shore without operators needing to disembark into water. Keep dry & no need for special ramps.
Easy to operate, minimal training	Operators grasp the basics of operation after only one hour's training, no need for specialist pilots. 2-day engineering course available.

For further details please request our design philosophy, craftsmanship and hovercraft buyers guide documents

Specifications					
Hov Pod Type	Hov Pod SPX LM	Hov Pod SPX 65HP		Hov Pod SPX 120HP Turbo	
Engine Type	Local manufacture installation so user Specified & Installed	2-Stroke Liquid Cooled Rotax 582		4-Stroke Liquid Cooled Weber MPE 750 TC	
Dimensions	Length 3.63 M, Width 1.9 M, Height 1.49 M Length 11.9 Feet, Width 6.23 Feet, Height 4.89 Feet				
Weight	User Specified	310 Kilos, depending on configuration		345 Kilos, depending on configuration	
Payload from on-water start (get over hump) land load is X 1.5	User Specified	275 Kilos or 606 pounds (subject to operating conditions)		325 Kilos or 716 pounds (subject to operating conditions)	
Seating	3 adults in-line				
Fuel Tank	User Specified	25 litres or 6.6 US Gallons, 5.5 UK Gallons		33 litres or 8.7 US Gallons, 7.2 UK Gallons	
Normal Cruise Speed	User Specified	21mph or 32 Kilometers per hour		21mph or 32 Kilometers per hour	
Top Speed	User Specified	Up to 40 mph or 64 Kilometers (subject to operating conditions)		Up to 40 mph or 64 Kilometers (subject to operating conditions)	
Range/Hours (standard tank) (Custom extended range available)	User Specified	Up to 1.5 hours / 32miles on one tank (subject to operating conditions)		Up to 2.45 hours / 60miles on one tank (subject to operating conditions)	
Skirt system	65 individual segments, very durable Polyurethane/Nylon with anti rip weave				
Hover Height	0.25 Metre or 9 inches.	0.25 Metre or 9 inches.		0.25 Metre or 9 inches.	
Electric Start	User Specified	Option available		Included as standard	
Standard Hull Colours					

Options Available	About Hov Pod
<ul style="list-style-type: none"> ➤ Trailer and transport kit ➤ Gauge Control Set ➤ Seating - Comfortable Upholstered ➤ Skirt Material - thicker durable grade ➤ Spares Kit - Commercial Kit ➤ Flashing Light ➤ Navigation Lights ➤ White Light on Mast ➤ Bilge Pump ➤ Cover, Protective, Black in 650gsm PVC UV vinyl ➤ Search Light ➤ Craft Lifting Points ➤ Stainless Steel Lighting Gantry ➤ Additional Buoyancy (US CG Regs) ➤ Customized options available upon request ➤ Customized colours available on request ➤ Front cabin cover with optional weather shield ➤ Operator and Technical preventative training available, via dealer or our factory we recommend up to three days to cover operation and maintenance. 	<p>The Hov Pod SPX design evolved through a thorough study of the market 1995-2008. As hovercraft are weight dependent vehicles, the market for small hovercraft has been largely dominated by race type craft, designed for speed rather than durability. Company founder Peter Ward saw a gap in the market for durable, small, high quality, reliable, safe, and simple to operate hovercraft for a wide range of applications.</p> <p>The current Hov Pod design has evolved since 2000, and current models are CAD designed & CNC engineered. The Hov Pod hull design is unique, manufactured from High Density Polyethylene (HDPE) and is therefore very strong, lightweight and extremely buoyant. Unsinkable even if fully flooded!</p> <p>HDPE is far stronger and easier to repair than glass fibre. During float tests, the Hov Pod has held over one ton in weight before water ingressed into the hull. HDPE has been used in the past for construction of F1 race crash barriers, artificial knee joints and ice hockey rinks. HDPE is an ideal material for hovercraft construction. Significant investment in the hull manufacturing tooling process provide Hov Pod with the advantage that they can respond to customer demand at busy times of the year, and can supply multiple units in a relatively short period of time. It is possible to ship 5 Hov Pods per high Cube 40 foot container, and Hov Pod export to countries all over the world, by sea and by air. The small size of the Hov Pod means it can be rapidly deployed, it measures just 3.75m x 1.86m x 1.49m. The Hov Pod SPX LM is available to OEM's as a complete craft less engine and drive package for fast local manufacture, rapid and successful deployment to meet any use or emergency situation. The design and materials of manufacture allows for a high level of optimisation and customisation to add equipment and hardware to suit a wide variety of applications.</p>

For a detailed quotation, or for further information like our buyers guide, please email: sales@hovpod.com

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