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## HOV POD SPX: ALL TERRAIN DEFENCE HOVERCRAFT (ATDH)

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



Risks of terrorism, civil emergencies, cross border skirmish, drug smuggling, & issues of homeland security are increasing. Reconnaissance & speed of response mean that with many miles to cover military experts have had to reassess border & internal patrol, response & protection strategies. They are now looking at other ways to protect inland & coastal areas. The Hov Pod SPX All Terrain Defence Hovercraft (ATDH) can carry up to 4 operatives with equipment & is the perfect all in one craft to take on the role of other vehicles for traditional coastal/inland/border patrol. It is also just about the only vehicle suitable for many areas inaccessible to conventional vehicles & can operate in tidal regions, marshland, sandbars, swamps, mud, sand, ice, & snow.

### FEATURES

#### Fully amphibious

#### Role versatility

#### Suitability

#### Stability

#### Low surface disturbance

#### Compact plastic construction

#### Low purchase & operational cost

#### Reliable, safe & easy to maintain

#### Easy to deploy

#### Simple design & controls

#### HDPE construction

#### Skirt design

### BENEFITS

Complete operational flexibility. The Hov Pod SPX range of craft have no submerged propeller that could get damaged ending operations. The Hov Pod SPX can operate in shallow water & over mud, swamps, grass, riverbeds, open water, tidal regions, rapids, marshland, desert, sandbanks, shingle, weed, sand, ice, snow, roads, shallow lakes, dried up salt marshes, indeed any flat surface at speeds up to 45 mph. Its all terrain capability mean the Hov Pod SPX can act immediately taking a direct line for fast interception without concern to water depth or other surface limitations in its path.

Excellent for reconnaissance, policing, border patrol, GPS surveillance & special forces retrieval. It is also an ideal surface craft to undertake multi surface interception acting on downstream communications from airborne surveillance. Also an ideal vehicle for humanitarian rescue or relief distribution during flooding.

Can operate in fog and monsoon conditions. Faster than a helicopter winch that can only winch one casualty at a time. Can operate around power lines and trees with no downdraft to disrupt surface operations. Aid can be delivered accurately & safely rather than by throwing from moving craft.

The air cushion provides a far more stable weapons & observation platform than conventional boats or ground vehicles, especially whilst manoeuvring.

No visible wave or wake makes the Hov Pod SPX very hard to locate especially in calm or night conditions. Operating above the surface the Hov Pod SPX ATDH range produce very little acoustic, pressure or magnetic signals & are less prone to activating mines when operating both on land or water.

Larger hovercraft & boats are easier to detect. The Hov Pod SPX can wait up hidden on shore or on small islands hidden by clutter where least expected. The compact plastic construction produces a very low radar cross section. The Hov Pod SPX can be dropped by parachute for rapid deployment.

The Hov Pod SPX ATDH is a very affordable craft to purchase operate & maintain. One Hov Pod SPX is cheaper to purchase than the daily operating, staffing & service costs of a helicopter. Skilled pilots are not required and as borders stretch for many miles over a wide range of surface types & obstructions, several low cost Hov Pod SPX craft allow military budgets to be spread over a wider area. This enables more craft to be deployed to patrol inland & coastal border areas & provide far better coverage & rapid response than helicopters, conventional vehicles or larger far more expensive, less portable & complex hovercraft.

CAD/CNC technology & high grade components ensure superb engineering tolerances for minimum maintenance. Simple design & easy access to all components mean that servicing does not require specialists & downtime is minimised. Extensive safety features give operators worry free operation.

Easy to tow behind or carry on traditional vehicles & can be supplied with 45 second quick launch trailer. This means the craft can be quickly & safely deployed anywhere, & launch & return to shore without special ramps or the need for operators to disembark into water. This means defence personnel are not left exposed to observation or attack whilst wading slowly through surf or soft ground with wet heavy clothing.

A low centre of gravity combined with a simple single engine design & with all unnecessary elevators, trim levers etc removed ensures great manoeuvrability & very simple operation. Simplicity of design means that with minimal operator training all operators can grasp the basics of operation after only one hours training. This enables multi operator use where the operator can concentrate solely on the task in hand without the need for specialist pilots.

HDPE composite construction is extremely strong, lightweight & remains buoyant even if damaged. HDPE has excellent properties to withstand damage to enable use in harsh all terrain environments & it can be easily modified & configured to accept customer specified mounts & other specialist equipment.

Unique anti rip polyurethane/nylon segmented skirt with 65 anti plough design segments fed from the IAPSS air management feed system. This gives excellent ride stability & exceptional wear & damage resistance for increased operational reliability. Skirt system design enables continued operation even if damaged.

## 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
Hull & dimensions	HDPE TCC Polyethylene: Length 3.63 M, Width 1.86 M, Height 1.49 M (Length 11.9 Feet, Width 6.1 Feet, Height 4.89 Feet)		
Weight	User Specified	330 Kilos, depending on configuration	375 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	Up to 4 inline or inline+tandem		
Fuel tank (standard)	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 45 mph or 72 Kilometers per hour (subject to operating conditions)
Range/Hours (standard tank) (extended range available)	User Specified	Up to 1.5 hours / 32 miles on one tank (subject to operating conditions)	Up to 2.45 hours / 60 miles on one tank. (subject to operating conditions)
Skirt system	65 individual segments, high durability 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



### OPTIONS AVAILABLE

- 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
- Headlights
- Search light
- Stainless steel lighting gantry
- Bilge pump
- Craft lifting points
- Extended range tanks
- Cover, protective, black in 650gsm PVC UV vinyl
- Additional buoyancy (US CG regs)
- Front cabin cover with optional weather shield
- Storage platform
- Customised colours & options available upon request. Including night vision camera, marine & secure communications interface, radar, GPS & chart plotter.

### ABOUT HOV POD

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.

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!

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. 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.

**For a detailed quotation, or for further information like our buyers guide, please email: [sales@hovpod.com](mailto:sales@hovpod.com)**

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