

## AluHover 30



### **Velocity 30 in Harbor.**

This craft is operating in a very confined harbour. Directional control is similar to a good handling boat. Most hovercraft do not have this control at low speeds thus avoid harbours and hover onto concrete pads or land only. Many hovercraft have to gain speed before entering water as they will not gain enough speed to hover over the water hump beginning from a water start. Transferring passengers to boats at sea is simple and easy operation for this craft.

This craft has 30 passenger seats. Fitted with long range full tanks this is an ideal military Hovercraft. We can build for super yacht tender, coastal patrol, airport rescue, military service, or any commercial operation specified.

Provide your mission requirements for a quote.

### **Velocity 30 cruising on open ocean**

The craft remains in all aspect of operation. The craft is totally stable in turns. Transferring passengers to boats at sea is simple and easy operation for this craft.

This craft has 30 passenger seats. On recent test run our cruise speed varied between 22 and 25 knots up to 30 knots. Seas were one metre. On arrival, sea rescue informed us the head wind on our bow was 17 to 25 knots during the trip. Wind velocity over the deck was over 50 knots when cruising over the sea at 25 knots. Engine RPM was a 1,750 constant. Max Engine RPM is 2,450

### **Velocity 30 Eco Friendly around wildlife.**

The propeller is so silent in operation, the birds and seals to not change behaviour as we pass close by. This is possibly the only hovercraft manufactured in the world today that does not disturbed wildlife. Very Eco Friendly. Passengers travel on the outside deck at speed and talk to each other. This craft has 30 passenger seats.

## Hoverflight 30 Wing in Ground Effect Hovercraft without wings.



Velocity 30 Hovercraft now for sale or Charter  
Length 14.45 meters x 5 metres wide.

### **New Design Velocity 30 Hovercraft are now slightly larger to include toilets and baggage storage for passengers.**

Length 17.0 metres

Width 7.0 metres

Propeller 4.27 metres

Engine 650 HP Deutz Diesel or 950 HP Doosan Diesel

Speed Cruise 30 – 35 knots.

Max speed 50 knots depending on Loads in dead flat seas. Zero wind.

Range 300 Nautical Miles. Reduce passenger load and replace with additional fuel; range is much more.

#### Advantages

Very easy to operate. Engines have life span of up to 18,000 Hours..

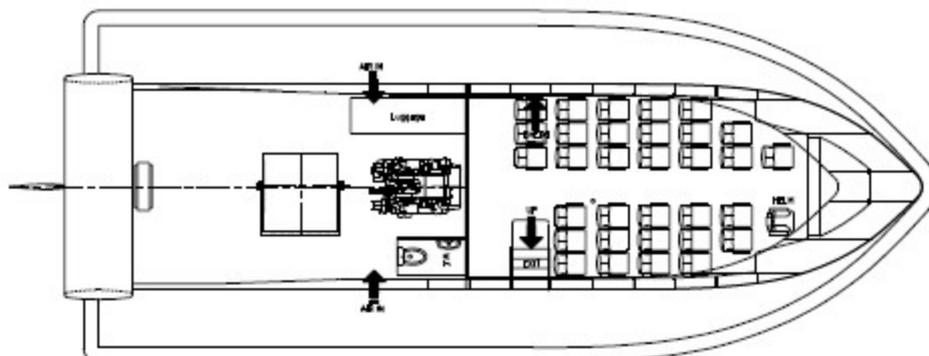
#### Disadvantages

Cruise speed is dependent on sea states.

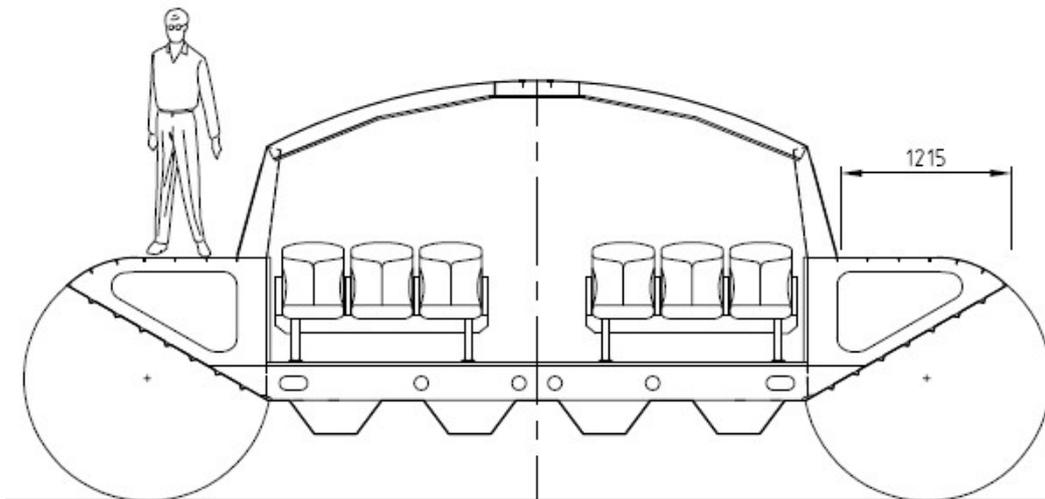
#### Changes.

Cabin layout can be built to individual customer mission requirements.

Seats are easily removed to carry cargo and military equipment.

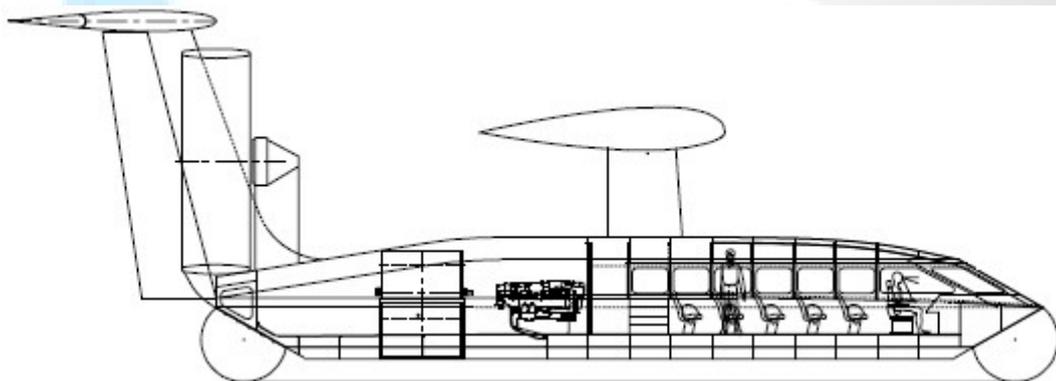


Plan view showing side decks for additional storage.



Cargo can be carried on the outside decks up to 12 metres in length. Storage room under the side decks access from cabin or external hatches if required by customer. Sound levels are so low passengers can travel on side decks at low speeds.

### **Hoverflight 30 Wing in Ground Effect Hovercraft**



Length 17.0 metres

Width 7.0 metres

Propeller 4.27 meters

Engine 950 HP Doosan Diesel

Speed Cruise Hoverflight 30 cruise speed is 70 knot regardless if smooth seas or higher sea state.

Range Standard Range as a Hoverflight cruising at 70 knots is 700 Nautical miles.(Fuel consumption is less in Hoverflight Mode) Range can be extended by reducing passenger numbers and fitting long range fuel tanks. Fuel weight increase is equal to the weight of passengers not carried to extend range up to 3,000 nautical miles.

#### **Advantages**

Longer range, Higher speed, Drive systems simple. More stable under way due to wider longer hull. Less skirt wear. More efficient. Engine life will be much greater. No complex computer engine management systems. Very simple engine to service with lower cost of spare parts from Korea. This company manufactures the engine blocks for MAN and MTU of Germany. They are licensed to manufacture the same engine with standard mechanical injection systems. Alternative engines can be fitted on customer request. Can carry cargo on outside decks. Take off the wings and we have our standard Velocity 30 hovercraft.

Disadvantages are minimal.

Captains will require more training if Hoverflight 30 is preferred.

Changes.

Wings can be removed to change this from a Hoverflight with a cruise speed of 70 knots regardless of sea state operations) to a Hovercraft in relatively smooth seas to a cruise speed of 30-35 knots.



Wide aisle, Remove seats for cargo, Cabin Layout to be changed for military or Air Search Rescue requirements. May vary for individual mission requirements



Two(2) metre ceiling height. Complies to I.M.O. International Regulations



Easy access into air-conditioned Cabin.



Silent 4.27 metre ducted seven blade, pitch in motion 700 RPM propeller. World first technology

45. 65 & 90 Pax Versions available

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New builds can be undertaken in Turkey, Nigeria, USA, UK, and Australia