Mariah International Hovercraft Australia P/L

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SPECIFICATIONS ON THE MARIAH 589 Mil Spec Hovercraft

Set out below is the specification of the Mariah 589. The lead-time for this craft would be around 14 to 16 weeks. The craft is built to meet the AMSA survey requirements or can be built to GL rules. The latter authority regulates all commercial vessels and they are recognized Australia wide. Payment terms are 50% deposit and Letter of credit for the balance, payable prior to shipping. We also provide training in the operation and maintenance of the Hovercraft. This can be either at our premise or on site.

Specification Mariah 589 Open Version and or Cabin Version:

This craft is a larger version of the Mariah 425. It retains the same body styling and is equipped with the same headlights as the Mariah 425. The length of this craft is 6.2 metres and the width is 2.5 metres. A single engine powers it. The power plant is the latest Light weight diesel from Subaru. A 1.5 metre axial fan provides lift as well as thrust for this craft. The seating arrangement is a central Pilot seat with 9 jockey style seats for passenger. These are removable to provide a large cargo bay. A central seat is provided for the driver. The skirt system is a loop Segment which offers increased stability in all conditions. The cushion height is approximately 360 to 390 mm. The fuel capacity can be varied to suit specific applications but the nominal fuel capacity is 150 litres. The cruising speed of this craft is 70 to 80 kph.

Length:	6.2metres
Length on Cushion:	6.8 metres
Width:	2.5 metres
Width on Cushion:	2.85 metres
Height:	1.85 metres
Height on Cushion:	2.20 metres
Weight:	950 Kgs
Payload:	1000 kgs / 10 to 12 person
Seating:	Centre seat pilot, 9 Jockey Style seats for passengers
Positive Buoyancy:	750 Kgs (Polyurethane closed cell foam)
Cushion Height:	396 mm
Thrust:	300 kgs
Speed- Max:	110 kph
Ideal Cruise:	70-80 kph
Fuel Capacity:	150 Litres
Endurance @ Cruise:	6-8 Hours
Engine:	Light weight Subaru 4 cylinder Turbo diesel
Starting:	Electric Start
Battery:	2 x 12 Volt 660ccah
Power:	160 Hp/ 119 Kws
Propulsion:	Multi Wing 6/6 9wl Fan, Polyamide Carbon Blades
Operating Conditions:	Less than 28 knot Wind speed.

Wave Height:	1.5 to 2 metre seas
Color Scheme:	Can be specified by the customer. Metallic colors are an optional extra. Radar reflecting coatings can be provided.
Instrumentation:	Tachometer, volt meter, water temperature, oil pressure Hour meter, fuel gauge, Lanyard Switch (Kill switch)
Navigation:	Compass, Radar GPS, FLIR. VHF Radio, Remote Search light
Lighting:	6 headlights, navigation light as per USL code.
Spares:	6 spare skirt segment, 100 cable ties, assorted stainless hardware, spare belts, glow plugs, oil, fuel & air filters, globes & fuses.
Safety Equipment:	Fire extinguisher, 12 Life jackets, flares, First aid kit, torch, 20 metres rope, Anchor.
Trailer Option:	A light weight winch on, roll off trailer can be supplied on request.

Deck Structure: The deck of this Hovercraft is manufactured from Carbon Fiber core sandwich composite using vacuum infusion technology. Using a blown rigid PVC foam core, this provides a high tensile strength and low weight. Lifting lugs are incorporated to enable the vessel to be lifted by a crane.

Windscreen: A windscreen is fitted to protect from wind and spray.
On the cabin version a laminated glass windscreen is fitted along with windscreen wipers and washers.

Hull Structure: The Hulls is vacuum infused carbon fibre core sandwich with a gelcoat finish. There is one cubic metre of polyurethane approved buoyancy foam integrated within the hull compartments to provide positive buoyancy. This means that if the cockpit of the vessel was to be completely flooded the Hovercraft will remain a float and upright with a full payload on board.

Fan Duct: The duct is manufactured from carbon fibre and is 1.5 metre internal diameter. This fan provides lift as well as thrust and is designated as an integrated system. It is fitted with five steering rudders and one elevator. These provide steering and longitudinal control.

Steering: The steering controls utilises twin push pull marine cables for smooth and accurate steering. The throttle control is operated by hand and provides good feel and feedback. The elevator controls are via a single axis joystick which mimics the elevator position. , Electronic actuator controls the elevator to provide the longitudinal stability of the craft.

Seating: There is a centrally mounted seat for the pilot of the Hovercraft. The passengers are accommodated on 9 Jockey Style seats. These can be removed to provide a cargo bay of 2.5 metres by 1.5 metres. A

stretcher mount can be incorporated in the floor. There is also provision for two dickey seats each side of the pilot for crew.

Skirt: The Skirt system is simple and easy to maintain. This craft is fitted with 91 segments. Each segment can be easily replaced if damaged. The skirt material has been developed and tested over 8 years and has been found to provide the optimum in flexibility and the lowest wear coefficient.

Headlights: The craft is fitted with 6 Quartz Halogen Headlights that incorporate the Navigation lights. These are position at various angles pointing forward to provide a spread of light. Remote control search light can also be fitted at the customer's request.

Operating Cost: The operating cost of this craft including fuel and maintenance costs is US$36.00 per hour. This is provided the craft is properly serviced and maintained.

Survey Cost: This craft can be put into Victorian survey at an extra cost of $2500.00

Shipping: This craft will fit in a standard shipping container.

The price for the open version of this craft fitted with a Diesel engine is calculated at the time of placing the order.

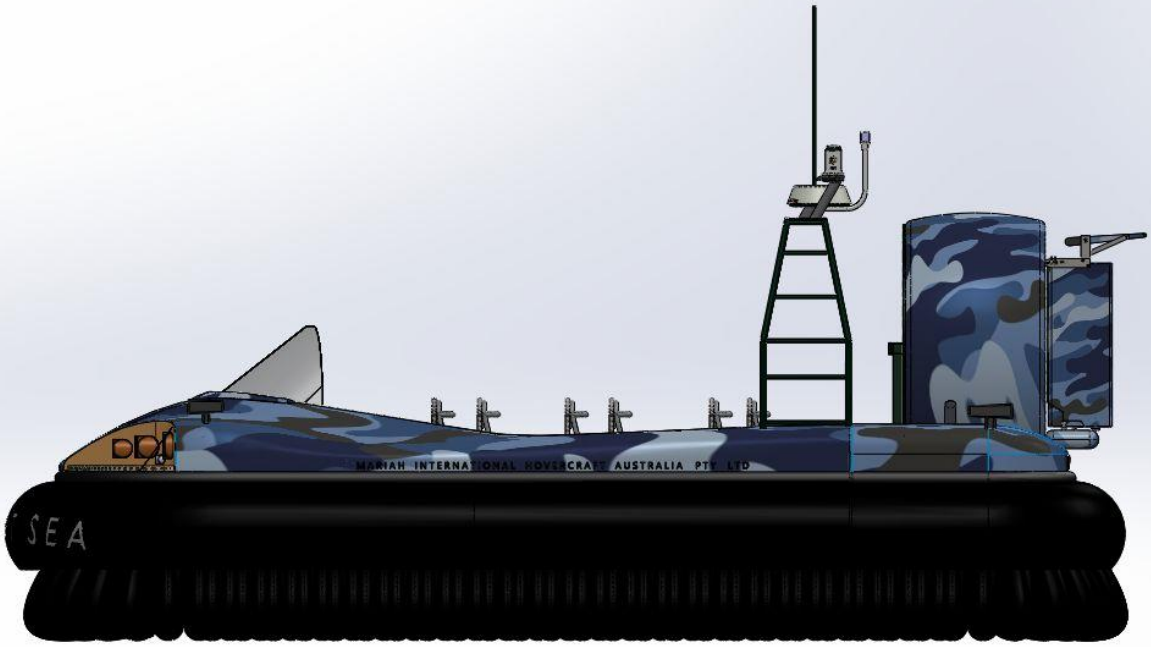
Onsite training is available at a cost of US$1500.00 per day plus airfares and accommodation.

I trust the above information is of assistance to you.

Yours sincerely

Gary Ashton
Managing Director


GUARDIAN AT SEA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