

# ISLAND



Length Overall	:40.00 m
Beam	:7.90 m
Draft	:2.20 m loaded
Crew	:10 members
Passengers	:300 guests
Speed	:27 knots @ 100% MCR 14 knots @ 40% MCR
Range	:1,800 nautical miles (with 10% reserve)

## VESSEL APPLICATIONS

Passenger and Cargo transfer both inter island and International voyages throughout the Pacific region, Crew transfer, Dive and ROV support, Survey and Seismic operations, Evacuations and Medevac response, Standby operations, medevac, etc.

- High speed mono hull design for better sea keeping and passenger comfort
- Built to International Classification meeting the highest safety standards
- High back passenger seating across all fully air-conditioned decks
- Dedicated cargo area allowing a combination of cargo and passengers

## SPECIFICATIONS

Design: Australian Marine Technology P/L  
 Builder: MOC Shipyards Pvt Ltd  
 Classification: +100AI, HSC, Passenger (A) Mono, HSC, G4 LMC  
 Flag: TBA  
 Accommodation: 300 passengers + 10 crew  
 Construction: all aluminium construction  
 Length: 40.00 m  
 Length at waterline: 37.20 m  
 Beam: 7.90 m  
 Draft: 2.20 m loaded

## MACHINERY

Main Engines: 3 x Caterpillar C32-1,450 HP @ 2,100 rpm  
 Auxiliary Engines: 2 x 80 Kw Caterpillar, 440 volt 3 phase  
 Bow Thruster: 80 HP  
 Cooling System: Keel cooling  
 Exhausts: Wet  
 Batteries: 5 banks for main engines and generators, starting with one emergency bank above weather deck. Rotary colhersee switch to all  
 Compressor: General unit 12 cfm for servicing equipment  
 Tools: Frontline tools, equipment and testing tools for preventative maintenance and on-board breakdowns

## PERFORMANCE

Maximum Speed: 27 knots @ 100% MCR

Cruising Speed: 25 knots @ 90% MCR

Economic Speed: 14 knots @ 40 % MCR

Fuel Consumption: 20 litres/hour at anchorage; 430 litres/hour at economic speed; 750 litres/hour at cruising speed; 840 litres/hour at maximum speed

Range: 1,800 nautical miles (with 10%)

## CAPACITIES

Deadweight: 75.0 tonnes

Deck Load: 10.0 tonnes

Deck Strength: 2.0 tons/m<sup>2</sup>

Clear Deck Area: 75.0 m<sup>2</sup>

Sewage: 1,000 litres sewage treatment plant

Fuel for vessel: 50,000 litres

Potable water: 10,000 litres

## PASSENGER ARRANGEMENTS

Air Conditioning: Split system with heating and cooling providing redundancy throughout the vessel

Main Deck: 127 high back passenger seating, 1 x toilet, kiosk, TV video with LCD screens and dedicated cargo stowage area

Upper Deck: High back seating for 113 passengers in air-conditioning, 2 x toilets, 1 x freshwater fountain, 1 x coffee machine, TV video with LCD screens

Bridge Deck: High back seating for 32 passengers in air-conditioning, exterior seating for 32 passengers, 1 x toilet, 1 x freshwater fountain, 1 x coffee machine, TV video with LCD screens

## CREW ARRANGEMENTS

Cabins: 2 x 2 men and 2 x 1 man officers cabins with ensuites, 1 x 4 crew, all with lockable drawers, reading lights, privacy curtains, vertical lockers, power outlets, ladders to upper bunks

Showers and Toilets: 2 dedicated for crew

Bridge: Control helm, wing stations, office desk, 3 captain seats, 4 crew seats

Galley: Electric stove/oven, microwave. Fridge, freezer, storage room

Mess: Recreational mess for 8 persons

Broadband Internet: KVH TracPhone

Sat Phone: 1 x Globalstar

Sat Fax: Yes

## ELECTRONICS

Radar: Furuno 2 x FAR 2117

Sounder: Furuno

Auto Pilot: Yes

Plotter: Furuno

GPS and DGPS: Furuno

HF / SSB Radio: Icom IC M801E c/w AT 30 auto tuner

VHF Radio: Icom IC 411

Compass: Furuno SC50

Barometer and Clock: One each at main helm station

AIS: Simrad MX 535 A

Search Light: 2 x Sanshin HR-1012

Intercom: GME to machinery space, accommodation area, mess area and helm

Public Address: Raymarine 430 with 2 speakers in wheelhouse roof

Charts: All current charts for operational areas, hard copies and electronic

### **DECK AND HULL MISC.**

Fendering: Half round rubbing strake  
Stern Loading: Flush push up with landing area  
Gangway: Folding electric aft gangway  
Handling: Boat Hooks, Grapple with Lanyard  
Deck Equipment: Recessed tie downs SWL 500 kg  
Mooring: Double Bit Bollards – 6 sets  
Plating: 6.0 mm deck  
Access to water: Transom and side rescue zones  
Passenger Transfer: 1,350 mm from waterline  
Anchor: 2 x 110 kg bow  
Anchor Winches: 2 x electric 5 ton  
Anchor Chain: 2 x 110m  
Pillar Deck Crane: 2.5 ton SWL at 6.0 m radius with hydraulic extension and winch

### **LIGHTING**

Navigation Lights: Port, Starboard, Masthead, Stern & Anchor. 1 x towing, 1 x all-round white and 2 x all-round red  
Floodlights: 2 x forward and 2 x aft  
Search Lights: 2 sets  
Deck Lights: 6 units recessed  
Navigation Lights: Class approved  
Torches: 2 x Signaling

### **SAFETY EQUIPMENT**

Fire Hoses and Nozzles: 3 sets with spray nozzle  
Fire Hydrants: 3 stations  
Fire Control Plan / Muster List: Class approved  
Emergency Lighting: Yes  
Life Rafts: 6 x 100 and 2 x 50 men  
Man Over Board Rings: 10 off, 2 with lights  
Solas Life Jackets: 320 Solas, 10 deck RFD work vests  
Parachute Rocket Flares: 4 as per survey requirements  
Hand Held Flares: 8 as per survey requirements  
First Aid Room: Main deck port side with stretcher and curtains  
First Aid Kits: 1 x type E, 1 x Sutures kit  
General Emergency Alarm: Yes  
Fixed Fire Fighting System: Fitted in machinery spaces  
Emergency Escape: Machinery spaces and accommodation areas  
Fuel Shut Off: Remote operated

### **CERTIFICATION**

All vessels are constructed to IACS Classification under the applicable rules of the flag state of destination