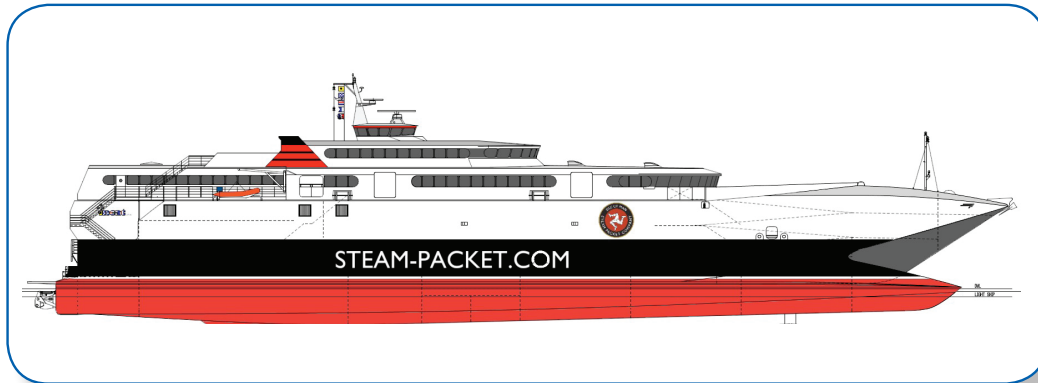


96m**HULL 050**

Hull 050

96m Wave Piercing Sealift Catamaran



General Particulars

Yard No: 050
 Designer: Incat Tasmania Pty Ltd.
 Builder: Incat Tasmania Pty Ltd.
 Certification: DNV 1A1 HSLC R1 Car Ferry "B" EO
 Length overall: 95.47 metres (313' 0")
 Length waterline: 86.00 metres (282' 2")
 Beam: 26.60 metres (87' 4")
 Beam (hulls): 4.50 metres (14' 9")
 Draft: 3.67 metres (12' 0")
 Speed: @ Lightship condition 50+ knots Speed with deadweight @800 t - 37.5 knots

*Note - All speeds quoted at 100% MCR (4 x 7200 kW) and excluding Tfoil.

Capacities

Deadweight - 770 tonnes (849 short tons)
 Passenger capacity - 600 total persons including crew
 Deck Capacity - 330 truck lane metres at 2.7m wide, 4.3m clear height plus 370 car lane metres at 2.3m wide.

Possible Vehicle Deck Configurations:

Example A: approx. 240 cars @ 4.5m length, 2.3 width
 Example B: approx. 24 X road freight trailers with 46 TEU plus 85 cars
 Example C: approx. 12 x road freight trailers with 22 TEU plus 180 cars

Fuel Capacity - 4x30m³ -4 x integral aluminium tanks. (An additional long range tank of approximately 170m³ capacity provided in each hull.

Fresh Water - 11300 litres plus 4500 litres/day water-maker Construction

Design - Two slender, aluminium hulls connected by a bridging section with center bow structure at fwd end. Each hull is divided into nine vented, water-tight compartments divided by transverse bulkheads. Three compartments in each hull prepared for fuel tanks with additional strengthening on the end bulkheads and intermediate tank tops.

Construction

Welded aluminium construction using predominantly aluminium grade of 5383 H321 or H116 and extrusion grade 6082 and 5083. Longitudinal stiffeners supported by transverse web frames and bulkheads.

Safety and Evacuation

Escape - Four Marine Evacuation Stations, each MES serving a maximum of 200 persons each. Maximum of six 100-person rafts fitted. Rescue - one SOLAS inflatable rescue dinghy with 30 hp motor and approved launch / recovery method. Safety Equipment - lifejackets, lifebuoys with lights and lines, smoke flares, Immersion suits, flares and lines throwing device fitted in accordance with international regulations.

Fire Safety

Fire Detection - An addressable fire detection system covers at minimum all high and moderate risk spaces (other than the wheelhouse) with alarm panel situated in the wheelhouse.

CCTV - system covers at a minimum, engine rooms, ante rooms, vehicle spaces, jet rooms, MES and liferaft stations with monitors in the wheelhouse.

Fire Sprinklers - Vehicle deck and passenger cabin are protected by drencher systems with overhead sprinklers. Pump control is from the wheelhouse and anterooms.

General Equipment - Portable fire extinguishers, Fireman's outfits and equipment, water fog applicators, breathing apparatus, international connections and fire control plans fitted in accordance with international regulations.

Machinery Installations

Main Engines - 4 x resiliently mounted Caterpillar 3618 marine diesel engines rated at 7200 kW at 100% MCR.

Water Jets - 4 x Lips 150D waterjets configured for steering and reverse.

Transmission - 4 x Reintjes gearboxes, approved by the engine manufacturer, with reduction ratio suited for optimum jet shaft speed.

Ride Control - A 'Maritime Dynamics' active ride control system is fitted to maximise passenger comfort. The system combines active trim tabs aft and optional bolt-on Tfoil located at the forward end of each hull.

Hydraulics - Three hydraulic power packs, one forward and two aft, to run mooring capstans anchor winch, ride control, steering/reverse, rescue boat cranes.

Electrical Installations

Alternators - 4 x Caterpillar 3406B 230kw (nominal) marine, brushless self-excited alternators. Supplying 415v, 50 Hz. 3 phase.

Distribution - 415/240V, 50 Hz distribution for ships services via main switchboards in anteroom and distribution boards adjacent to or within the space they serve plus 220/110v 60 Hz for C4ISR and other military applications.

Details provided are based on original design and certification.

For information on Incat representatives in your region contact head office

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