

130m

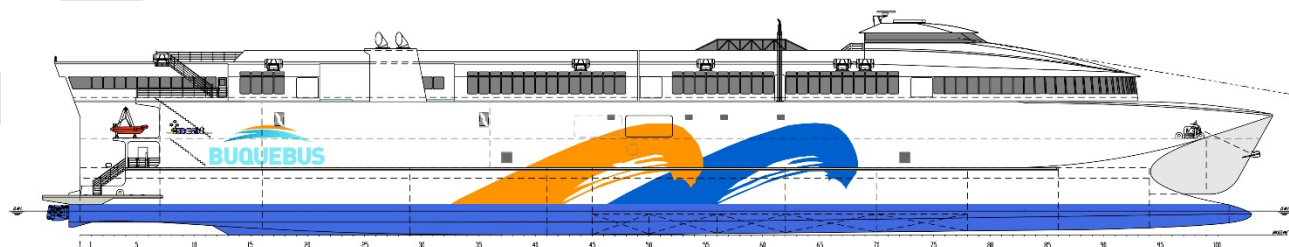
Hull 096

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130m Passenger Catamaran



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General Particulars

Yard No:	096
Designer:	Revolution Design Pty Ltd
Builder:	Incat Tasmania Pty. Ltd.
Class Society:	DNV-GL
Certification:	DNV-GL ✱1A1 HSLC R4 Car Ferry "B" Gas EO
Length overall:	129.68 m
Length waterline:	121.51 m
Beam Overall:	32.36 m
Beam of Hulls:	6.6 m (TBC)
Draft:	2.5 m
Speed:	approx 37.5 knots (4 X engines @ 100% MCR, 600 DWT)

Capacities

Max Deadweight:	600 tonnes (approx.)
Passenger Capacity:	2100 persons (including crew).
Passenger Decks:	located on one level, Tier 3.
Consisting of:	- First, Business Tourist and Economy Class lounges - Bar and food service areas - Male and female Toilets - Disabled Toilet

Duty Free Shopping Area

Tier 2, approximately 3100 sqm.

Vehicle Capacity:	226 cars at 4.5m length x 2.3m.
Axle loads:	2.0 tonnes (single axle)

Tankage:

- MGO Fuel Oil (main storage) - 160,000 litres*
 - MGO Fuel Oil (long range) - 32,000 litres*
 - LNG Storage tanks - 2 x 50 cu.m
 - Fuel Oil (Header tanks) - 2 x 1240 litres
 - Genset Fuel Oil - 2 x 1240 litres
 - Fresh Water - 2 x 6,500 litres
 - Sewage - 2 x 6,500 litres
 - Lube Oil - 1 x 1,100 litres
 - Oily Bilge holding - 1 x 1,100 litres
 - ER Sludge - 4 x 160 litres
 - Aft Hydraulic Oil - 2 x 500 litres
 - Fwd Hydraulic Oil - 1 x 150 litres
- *Note: Approximate preliminary values

Construction

Design - Two slender, aluminium hulls connected by a bridging section with centre bow structure at forward end. Each hull is divided into eleven vented, watertight compartments divided by transverse bulkheads. Three compartments in each hull are prepared as fuel oil tanks with additional strengthening on each of the end bulkheads and intermediate tank tops.

Air Conditioning

Reverse cycle heat pump units throughout capable of maintaining between 20-22 deg C and 50% RH with a full passenger load and ambient temperature of between 0 deg C and 35 deg C and 60 % RH.

Evacuation

Six Marine Evacuation Stations (MES), three port and three starboard, each MES capable of serving a total of up to 350 persons. A total of nineteen, 128-person open top reversible liferafts are fitted.

2 x SOLAS semi-rigid inflatable dinghies with motor and approved launch / recovery method

Machinery

Main Engines: 4 x resiliently mounted Wartsila 16V 31DF marine dual fuel engines, each rated at 8,800 kW at 100% MCR

Water Jets: 4 x Wartsila Lips LJX 1400SR waterjets.

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

Hydraulics: Three hydraulic power packs, one forward and two aft, all alarmed for low level, high temperature and filter clog and low pressure. One pressure line filter and two return line filters fitted. An off-line filter / pump provided

Electrical Installations:

Alternators: 4 x 400kW (to be confirmed) marine, brushless, self-excited alternators. The alternators are arranged for automatic startup and paralleling. The automation will consider one alternator maintained as a standby set.

Distribution: 415V, 50 Hz. 3 phase. 4 wire distribution with neutral earth allowing 240 volt supply using one phase and one neutral. Distribution via distribution boards adjacent to or within the space they serve.

200-amp 415V 3-phase shore power connection point fitted in starboard anteroom.

Details provided are based on original design and certification.

For more information on Incat representatives in your region, contact head office.