



General Particulars

Yard No:	094
Designer:	Revolution Design Pty Ltd
Builder:	Incat Tasmania Pty. Ltd.
Class Society:	DNV-GL
Certification:	DNV-GL ✕1A1 HSLC R1 Ferry "B" EO
Length:	100.0 m
Beam Overall:	26.6 m
Beam of Hulls:	4.5 m
Draft:	3.7 m
Speed:	45.3 knots

Capacities

Max Deadweight:	760 tonnes
Passenger Capacity:	995 persons (including crew).
Passenger Deck	- located on one level, the Passenger Deck is divided into three lounges.
Consisting of:	- Forward, Mid and Aft seating area lounges - Bar and food service areas - Male and Female Toilets - Disabled Toilet - Elevator access from the Vehicle Deck to Passenger Deck.
Crew accommodation:	Crew cabins for up to 14 persons
Vehicle Capacity:	175 Truck Lane Metres at 3.1m wide and 4.6m clear height plus; 187 cars at 4.5m length x 2.3m or 239 cars at 4.5m length x 2.3m

Tankage:

- Fuel Oil (main storage) - 213,000 litres
- Fuel Oil (long range) – 210,000 litres
- Fresh Water – 6,500 litres
- Sewage – 5,000 litres
- Lube Oil - 1 x 1000 litres
- Oily Bilge holding – 1 x 1,150 litres
- ER Sludge - 2 x 160 litres

Construction

Design - Two slender, aluminium hulls connected by a bridging section with centre bow structure. Each hull is divided into eight vented, watertight compartments divided by transverse bulkheads. Two compartments in each hull prepared as short-range fuel tanks and one as a long-range fuel tank.

Air Conditioning

Reverse cycle heat pump units throughout capable of maintaining between 22 deg C and 50% relative humidity with a full passenger loads and ambient temperature of 35 deg C and 60 % relative humidity.

Evacuation

Four Marine Evacuation Stations (MES), two port and two starboard, each MES capable of serving a total of up to 300 persons. A total of eleven, 100-person open top reversible liferafts are fitted.
2 x SOLAS rigid dinghies with motor and approved launch / recovery method

Machinery Installations

Main Engines – 4 x resiliently mounted MAN 16V 28/33 STC marine diesel engines, each rated at 7280 kW.
Water Jets - 4 x Wartsila WXJ 1200 SRI waterjets configured for steering and reverse.
Transmission - 4 x ZF 53500NR2H gearboxes, with reduction ratio suited for optimum jet shaft speed.

Ride Control

A 'Naiad Dynamics' active ride control system is fitted to maximise passenger comfort. This system combines active trim tabs aft and retractable T-foil located at aft end of centre bow.

Electrical Installations

Alternators – 4 x Caterpillar C9.3 250ekW marine, brushless, self-excited alternators.
Distribution - 400V, 60 Hz. 3 phase. 4 wire distribution with neutral earth allowing 230 volt supply using one phase and one neutral.
Transformers fitted for 110v supply.