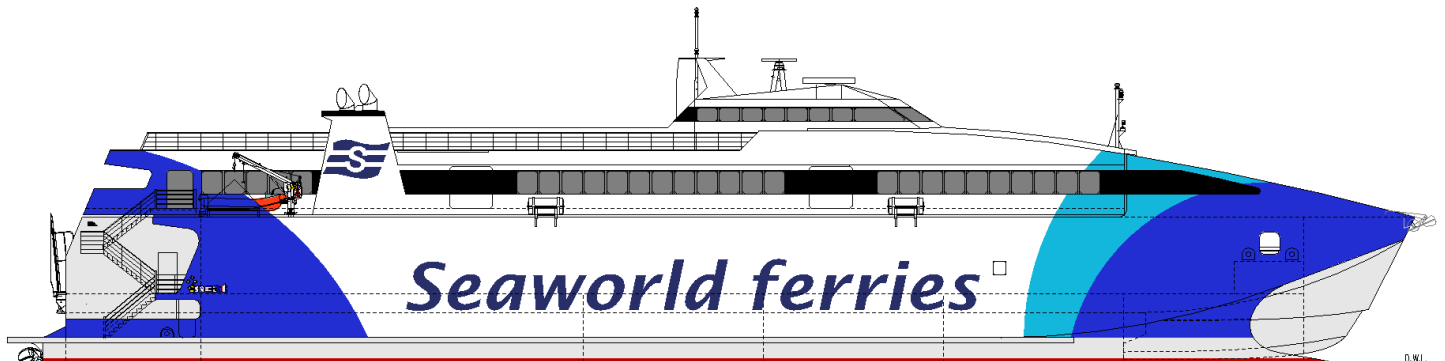


76m

Hull No. 097

76m Wave Piercing Catamaran Fast Ferry



General Particulars

Vessel type	WPC Ro-Pax Fast Ferry
CPV No.	1160B
Designer	Revolution Design Pty Ltd.
Builder	Incat Tasmania Pty Ltd.
Class Society	DNV/GL
Length overall	75.7 m
Length waterline	68.0 m
Beam Moulded	20.6 m
Draft	2.35 m
Speed	42.0 knots @ 100%MCR
Note - Speed quoted, 100 DWT, calm conditions, clean underwater parts and in minimum 20 metres water depth.	

Capacities

Max Deadweight	approx. 300 tonnes
Gross Tonnage	minimum 3000
Complement	700 including crew
Passenger Decks – Located on Tier 2 main deck:	
-	Tier 2 Aft lounge with seating areas and Male/Female toilets
-	Tier 2 Mid Lounge with seating areas, Kiosk, men's, ladies Access to Wheelhouse via internal stairs.
-	Tier 2 Forward Lounge with seating, Kiosk, Disabled Toilet/Parenting Room and Baggage Room.
Crew Lounge – Located on Tier 2:	
-	Includes – lounge seating area, kitchenette and washroom facilities with toilet, shower and wash basin.
Vehicle Deck Capacity	
-	79 passenger cars spaces at 4.5m long x 2.3m wide or 286 commercial vehicle lane metres at 3.1m wide with 3.5m clear height.
Axle loads	
-	5.0 tonne (single axle, dual wheel) between transom and frame 47
-	2.0 tonne (single axle) elsewhere
Tankage	
-	Fuel Oil (day storage) – 120 m ³
-	Fuel Oil (long range) – 40 m ³
-	Fresh Water - 8,000 litres
-	Sewage - 5,000 litres
-	Lube Oil – 1,100 litres
-	ER Oily Water - 1 x 1,100 litres
-	Genset Fuel Oil - 2 x 1,240 litres

Construction

Design - Two slender, aluminum hulls connected by a bridging section with centre bow structure at forward end. Each hull is divided into six vented, watertight compartments divided by transverse bulkheads. Two compartments in each hull prepared as fuel tanks.

Air Conditioning

HVAC system capable of maintaining 22 deg C (+/- 2°C) and 50% RH with a full crew load and ambient temperature of -5 deg C and 50% relative humidity (winter) and 35 deg C and 60 % relative humidity (summer).

Evacuation

Escape is via four approved Marine Evacuation System slides, two each port and starboard.
2 x SOLAS dinghies with outboard motors and approved launch / recovery method.

Machinery Installations

Main Engines – 4 x resiliently mounted marine diesel engines each rated at circa 5500kW at 100% MCR
Waterjets – 4 x Waterjets to suit rated power.
Transmission – 4 x gearboxes as approved by the engine manufacturer with reduction ratio suited for optimum jet shaft speed.
Hydraulics - Three hydraulic power packs, one forward and two aft.
Ride Control - An active ride control system is fitted to maximize passenger comfort. This system comprises, active control surfaces aft of each hull.

Electrical Installations

Alternators – 4 x marine diesel generators rated at approximately 2000kW (Note; final generator sizing to be determined when preliminary load balance calculations have been completed at time of contract).
Distribution - 440V, 60 Hz, 3 phase, 4 wire distribution with neutral earth allowing 220 volt supply using one phase and one neutral.
Distribution via distribution boards adjacent to or within the space they serve.

Details provided are based on original design and certification.

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