

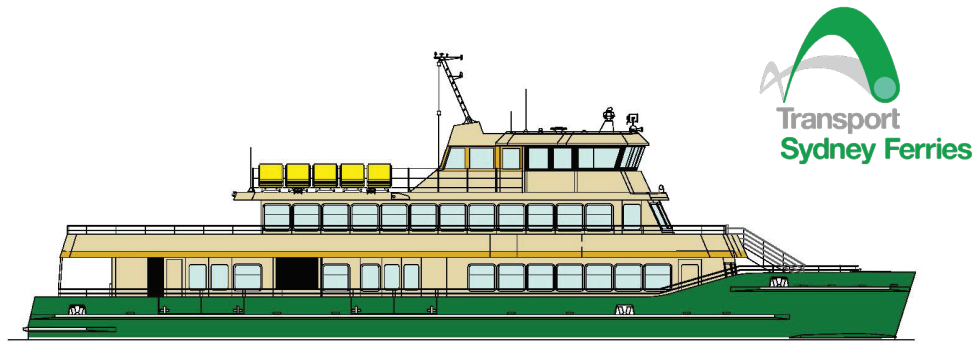
35m

Hull 086



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35m Passenger Catamaran



General Particulars

Yard No:	086
Designer:	Revolution Design Pty Ltd
Builder:	Incat Tasmania Pty Ltd
Class/Survey:	RMS NSW
Certification:	NSCV 1D
Structural Certification:	Lloyds SSC Catamaran Passenger G2
Speed:	Approx 25 knots at full displacement

Principal Dimensions (approximate)

Length overall:	36.379 m
Length measured:	34.91 m
Beam overall:	10.39 m
Draft (hull):	1.28 m
Draft (extreme):	1.818 m

Capacities

Passengers:	400
Crew:	3
Wheelchairs:	13
Bicycles	17
Design Load Deadweight:	39.133 tonnes

Tankage

Diesel Fuel Oil:	2 x 3500 litres
Fresh Water:	1 x 1200 litres
Sullage:	1 x 1650 litres

Design and Construction

Two slender, aluminium hulls connected by a bridging section. Each hull is divided into six force-ventilated, watertight compartments divided by transverse bulkheads. The hull and superstructure construction is of marine grade aluminium.

Passenger access is through two boarding gates each side on the main deck. Internal and external seating is available on both the main deck and upper deck. Toilets, bike racks, and allocated wheelchair spaces are located on the main deck. The internal passenger spaces on both decks are equipped with hearing augmentation loops.

Air Conditioning/Heating

2 x 7.1 kW Fujitsu reverse cycle split system installed in wheelhouse. Internal passenger spaces are fitted with a forced ventilation system.

Safety and Evacuation

20 x 20 person Carly floats in cradles on the Wheelhouse Deck for rapid deployment.

All safety equipment as required by NSCV code.

Machinery

Main Engines:	2 x Yanmar 6AYEM-GT marine diesel engines, each rated at 749 kW at 100% MCR.
Gearboxes:	2 x Twin Disc Quickshift MGX6599SC
Propellers:	2 x Veem 5 blade counter-rotating propellers
Steering:	2 x stainless steel rudders, hydraulically operated by electric pumps with 24V DC backup

Electrical

Generators:	2 x Mase Mariner 3400T 36.2 kVA (Max)
Distribution:	415/240V 50 Hz AC supplied by two diesel generators 24V DC for navigation equipment and emergency backup

Details provided are based on original design and certification.

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