

24m

Hull 078



## Hull 078

### 24m Passenger Catamaran



#### General Particulars

Yard No's:	078 and 079
Designer:	One2three Naval Architects
Builder:	Incat Tasmania Pty Ltd
Society:	Hull: DNV - Det Norske Veritas
Survey:	AMSA (MAST)
Flag:	Australian
Code:	NSCV Class 1C and 1D
Speed:	Service Speed 24.9 knots Maximum Speed 33 knots

#### Principal Dimensions (approximate)

Length (Overall):	26.49 metres
Length (Waterline):	25.00 metres
Length Measured:	23.95 metres
Beam (Overall):	8.10 metres
Beam (Moulded):	7.60 metres
Depth (Moulded):	2.75 metres
Draft (Hull):	1.16 metres
Draft (Extreme):	1.68 metres

#### Capacities

Passengers:	260 (1D) 160 (1C)
Crew:	3
Fuel:	2 x 2500 litres
Fresh Water:	1 x 1000 litres
Sullage:	1 x 1940 litres

#### Design and Construction

The catamaran hull and superstructure construction is of marine grade aluminium. The hull is hard chine with symmetric hulls.

Passenger access is via two double gangways at the main passenger level. Additional passenger access is via hydraulic ramps onto the aft deck both port and starboard. Both main and upper decks include indoor and outdoor seating. Toilets, kiosk and surfboard and bike racks are located on the main passenger deck. Internal stairs provide access from the main deck to the upperdeck, which includes passenger areas and the wheelhouse.

#### Machinery

Main Engines:	Two(2) MAN D2862 LE463 Diesel engines rated to 1029 BkW at 2100 RPM
Gearboxes:	Two(2) Twin Disc Quickshift MGX6620
Drive Train:	Two(2) fixed pitch 5 bladed propellers

#### Passenger Comfort

A ride control system is installed consisting of Humphree interceptors fitted at the vessel's transom, controlled by an electronic control package.

#### Electrical

The electrical system is 240/415V AC supplied by two diesel generators, Cat C4.4, one located in each hull with 24V battery system.

#### Air Conditioning/Heating

Split system reverse cycle air conditioning is installed for bridge and passenger areas.

#### Safety and Evacuation

- 3 x RFD 65 person open reversible liferafts and Carley floats
- Lifebuoys with line and lights
- Coastal lifejackets to Survey Requirements for Class 1C & Class 1D

Details provided are based on original design and certification.

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