

**33m****HULL 081**

## Hull 081

### 33m Passenger Catamaran



#### General Particulars

Yard No:	081
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

#### Principal Dimensions (approximate)

Length(Overall)	33.59 metres
Length (Waterline):	32.19 metres
Length (Measured):	32.95 metres
Beam (Overall):	9.00 metres
Beam (Moulded):	8.50 metres
Depth (Moulded):	2.70 metres
Draft (Hull):	1.36 metres
Draft (Extreme):	1.85 metres

#### Capacities

Passengers:	375 (1D) 256 (1C)
Crew:	4
Fuel:	2 x 2500 litres
Fresh Water:	1 x 1000 litres
Sullage:	1 x 2780 litres

#### Design and Construction

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

Passenger Access is via two double gangways at the main passenger level. 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 will be installed consisting of a pair of active Humphree interceptors fitted at the vessel's transom, and controlled by an electronic control package.

#### Electrical

The electrical system will be 240/415v AC supplied by two diesel generators, Cat C4.4, or equivalent, one located in each hull.

#### Air Conditioning

Split system air conditioning to be installed for bridge and passenger areas.

#### Safety and evacuation

- Carly floats for 375 passengers
- Lifebuoys, with line and lights as required
- Two (2) Lifebuoys fitted with self igniting light
- Two (2) Lifebuoys fitted with buoyant lines
- One(1) 2.4m Dinghy as defined by ANNEX C of section 7 of NSCV code

Details provided are based on original design and certification.

For information on Incat representatives in your region contact head office