

# HSLC

32m HIGH SPEED FERRY



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## GENERAL VESSEL DESCRIPTION

### VESSEL TYPE:

High Speed Aluminium Catamaran for open water service, of round bilge “semi-swath” Design incorporating bulbous bows for superior passenger comfort.

### SURVEY AND CLASSIFICATION:

The vessel shall be classed Bureau Veritas (BV) with the notation  $\times$  I 3/3 E Light High Speed Passenger Ferry, Coastal Waters, \*MACH., AUT-MS, shall comply with the requirements of Queensland Survey USL 1C, and the requirements of GMDSS Area A2.

### STRUCTURE:

Materials (to be inspected as required by Survey Authority and Owners Representative):

Sheet and Plate	-	Grade 5083-H321, H116, 5086-H32
Extrusions	-	Grade 6061-T6, 6082-T5
Filler Wire	-	Grade 5356
Castings	-	Grade CC601-T1

All welders to be approved by the Survey Authority.

### OUTFIT DOMESTICS AND FINISHING:

The vessel shall be laid out as per the general arrangement drawings and all fittings and equipment required for the operation of the vessel shall be supplied.

The ‘fitout’ is to be of a high commercial finish in keeping with a modern passenger vessel.

The interior layouts and finishing’s will be confirmed in conjunction with the client.

### Noise Levels

The noise level at the centre of each crew and passenger area shall not exceed 75 dB(A) and the noise level at the centre of the wheelhouse shall not exceed 65 dB(A).

### Fitout:

FLOOR: Carpet (100% Wool), Rubber in WHS & entry

DECKHEAD: “Luxalon” perforated aluminium

### LININGS:

Sides Aluminium honeycomb panels (Ayrlite)

Bulkheads Aluminium honeycomb panels (Ayrlite)

SEATING: Transport Seating “Wave Rider”, Seat pitch to be 850mm.

### AIR CONDITIONING SYSTEM:

Reverse cycle system is based on an air cooled compressor unit linked up to a multiple number of fan coil units. Design of the system shall be based upon an ambient operating temperature of 35°C (95% RH) and sea water of 30°C. Passenger and wheelhouse spaces to be cooled/heated to 21°C (50% RH).

### ELECTRONICS: (GMDSS Area A2)

Radar Kelvin Hughes Nucleus II 5000T  
JRC JMA-2254 10” Rasterscan Radar

Echo Sounder Skipper ED-162

GPS Magnavox MX400

Gyro Compass Navigat X Mod. 10

Auto Pilot Navipilot V/G



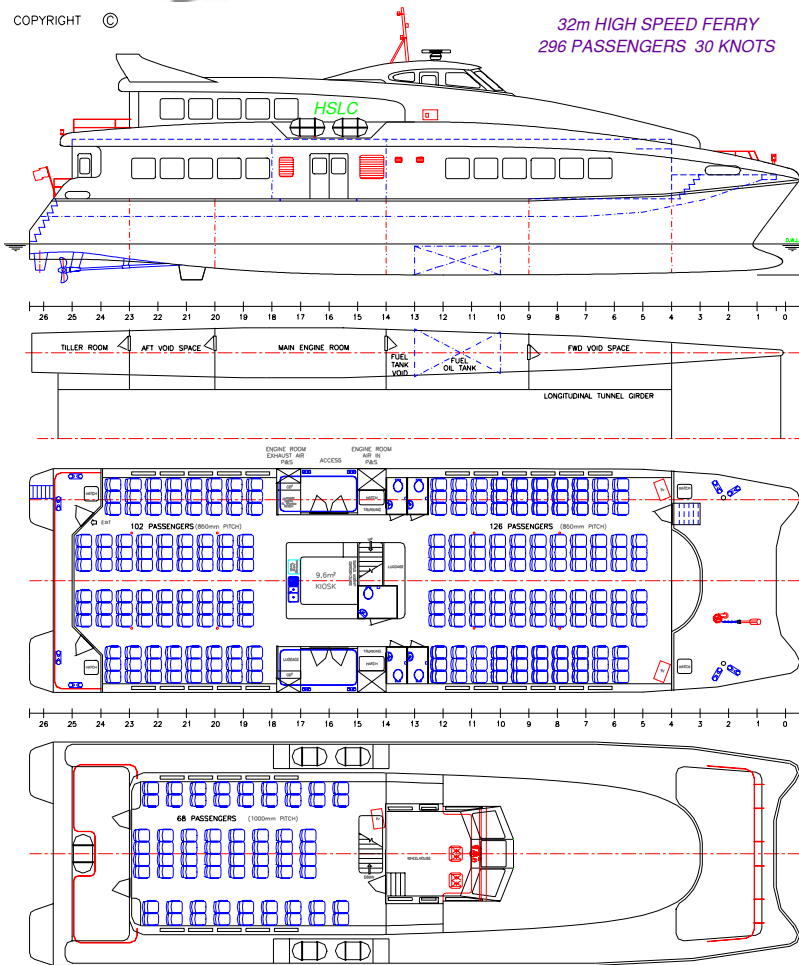
# HSLC 32m

296 Passengers 30 knots



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32m HIGH SPEED FERRY  
296 PASSENGERS 30 KNOTS



## PRINCIPAL DATA

LOA:	32.4m
LOP:	31.6m
Beam:	9.4m
Draft:	1.3m
Fuel:	9000lts
Water:	3000lts
Passengers:	296
Construction:	Aluminium/ Composite
Classification:	BV * I 3/3 E Special Service
Electronics:	GMDSS Area A2
Radar:	Kelvin Hughes Nucleus II 5000T
Echo Sounder:	Skipper ED-162
GPS:	Magnavox MX400
Gyro Compass:	Navigat X Mod. 10
Auto Pilot:	Navipilot V/G
Seating:	Transport Seating "Wave Rider"
Main Engines:	2 x MTU 16V2000 M70 1050 kW @ 2100 rpm
Gearboxes:	2 x ZF255 (2.462:1)
Propulsion:	42" Fixed Pitch
Auxillary:	2 x Cummins 4BT2/ UCM224F 60kVa
Speed:	30.0 knots



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