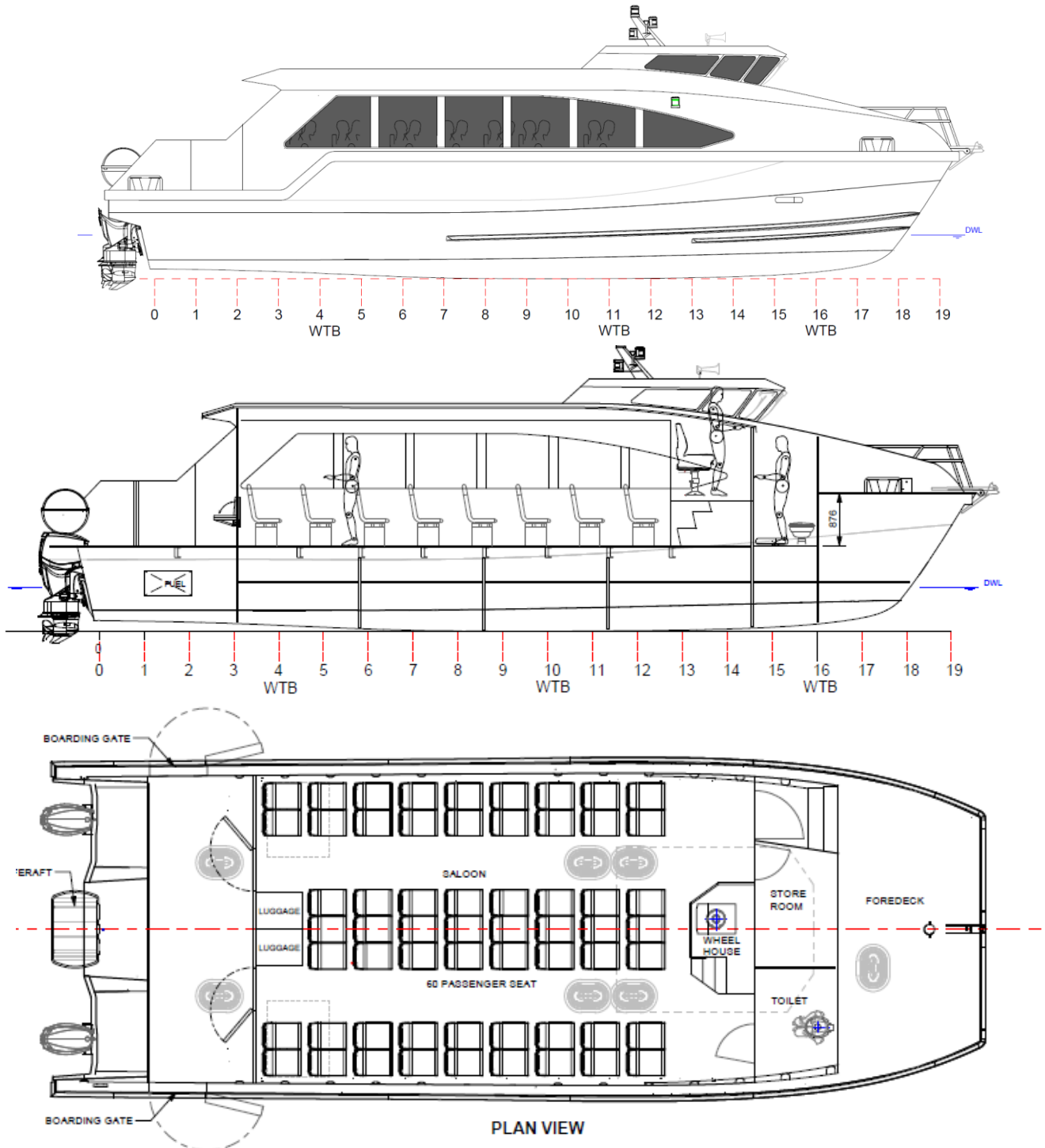


15.6M 40/50/60 PAX FERRY MAIN SPECIFICATION



General Description

The vessel is a medium speed ferry of modern catamaran design. It's hull shape is optimized for slow and medium speed operation, and to produce a low wake and have a shallow draft, well suited for coastal and inshore ferry operations. The vessel has proven excellent seakeeping qualities including passenger comfort and good stability. The hullform is proven with 18 vessels in service.

The ferry has a seating capacity for up to 40 - 60 passengers. The vessel and its superstructure is constructed from advanced glass reinforced sandwich composites. Propulsion shall be by two (2) outboard engines, which are easy to maintain and clear of fouling from operation in dirty waters.

The key features of the vessel design are:

- Shallow draught, low wake wash, optimized hull form for medium speed ferry operations
- A comfortable enclosed saloon for up to 60 passengers
- Advanced composite construction for ease of manufacture and solid structural integrity

Dimensions

Length Overall	15.6 M
Beam	5.85 M
Depth Moulded	1.42 M
Draft (design)	0.75 M
Displacement (full load). Approx.	20 tonnes

Fabrication

Hull	Composite GRP
Deck and Superstructure	Composite GRP

Machinery

Main Engine	2 x 200hp Outboard engines
Monitoring and Control	OEM tachometer, engine alarms, running hours
Bilge pumps	12V submersible bilge pumps in each watertight compartment

Capacities

Fuel Oil (Petrol)	2 x 250 - 500 litres in reinforced non-integral aluminium tanks
Fresh water	60 L
Passengers	60
Crew	2
Gross tonnage	~47 GT

Registration

Year Build	2019
Safety Authority	Flag state of clients' choice
Class	No Classification. Hull structure designed according ISO structural regulations

Communications

VHF Radio	1 x VHF Marine Transceiver at helm station
Signal horn	1 x mounted on mast

Navigation

GPS	1 x Garmin
Chart Plotter	1 x Garmin
Echo Sounder	1 x Garmin
Compass	1 x Magnetic compass

Electrical

Engine start	2 x AGM type batteries
House / service battery	1 x AGM type in wheelhouse
Switchboard	1 x 12V switchboard in wheelhouse
Lighting	12V interior lighting
Power supplies	12V DC wall socket in wheelhouse
Alarms	Bilge level alarms for each watertight compartment

Deck Equipment

Anchor	1 x Anchor
Anchor rope	Rope/chain, Rope 22mm 60m, Chain 12mm 10m
Bollards Double Bit type -	4 nos
Fenders:	Removable rubber fenders

Performance

Maximum Speed	20 knots in calm water, light ship
Economical Cruising speed	15 knots

Systems

Bilge pumps	12V submersible bilge pumps in each watertight compartment
Filtration	Fuel/Water Separator, 30 micron
Sanitary system	1 x marine toilet with electric sea water flush 80 liter black water tank
Ventilation	Forced ventilation of saloon by forward facing louvres on superstructure front Louver ventilation of fuel tank compartment

Accommodation

Passengers seating	60 x commuter style plastic seats
Storeroom	luggage stowage room forward of wheelhouse
Coatings	Antifouling below the waterline Gelcoat on Ship sides Non slip coating on deck surfaces

Safety & Fire Fighting

Life Rafts	2 x 50 men capacity (or as applicable)
Life Buoys	4 x Life buoys with Signal lights and 30m rope - SOLAS approved
First Aid Kit	1 no
Boat Hook	1 no

