

Amazon River RoPax Ferry

Manaus to Tefé



Description

This vessel is a RoPax Ferry which will transit 600 km along the Amazon River between the Brazilian cities of Manaus and Tefé. She is designed for a 20-hour trip between the two cities and accommodates passengers in both airline-style seating and hammocks.

Principal Characteristics

LOA	68.7 m
LBP	61.3 m
Beam	16.8 m
Draft	2.6 m
Depth	7.0 m
Displacement	1700 t

Power plant and propulsion

2 MAN 20V28/33D STC engines
2 MJP CSU 950 waterjets

Speed

Transit speed 18 knots

Mission

The Amazon River RoPax Ferry will provide safe, affordable travel between the cities of Manaus and Tefé. Three intermediate stops will be made along the route and passengers can join or disembark at any stop along the route. Cargo storage will be provided for any passengers looking to move bulk or refrigerated cargo.

Accommodations

300 passengers
105 hammocks
195 flight seats
9 Freight vehicles
24 crew
6 cabins

Food service
Luggage storage
Hammock lockers & overhead storage
Bulk and refrigerated cargo storage



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Design Features

Bow Ramp

A bow ramp is used to load/unload passengers and vehicles. The bow ramp is sufficiently wide to allow for one lane of vehicle traffic and two lanes of passengers. Vehicles will be reversed off the ramp during disembarkation.

Luggage Storage

A luggage room is located on main deck to accommodate for an assumed two large luggage items per passenger. Personal items may be stored in either hammock lockers or overhead storage located above flight seating.

Cargo Storage

Cargo storage is located aft of the vehicle deck and provides space for both bulk cargo and refrigerated cargo. Passengers may pay an additional fee to transport cargo.

Overnight Accommodations

This vessel is outfitted with 105 hammocks and 195 airline-style seats. The flight seating is standard economy reclining flight seats. Seating sections are located on the vessel's main and 01 decks. The seating placement on main deck ensures accessibility to comfortable seating for all. The hammocks are located on the 01 and 02 decks and are in proximity to lockers, in which passengers may store personal belongings.



Developable Hull

A developable hull was used to ensure simplicity and affordability in the construction process.

Vessel Security

Security is utmost importance while sailing on the Amazon River. River pirates are known to commandeer vessels, so it is important to secure the vessel. Bridge wings provide 360° visibility. In the case of a boarding, the bridge will be secured through a series of doors. Long Range Acoustic Devices (LRADs) are fitted to the decks. This technology provides targeted defense against pirates while keeping passengers safe.



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Meet the Team

Juliette Lehman is from Wading River, NY. She has work experience at General Dynamics, NASSCO, Elliott Bay Design Group, and has sailed with Stolt Tankers. In the future, she hopes to become a NPS Park Ranger.



Ben Lilly is from Grand Rapids, MI. He has work experience at Metal Shark Boats, Great Lakes Shipyard, and has sailed with PASHA Hawaii. He intends to be an Oiler upon leaving Webb.



Ioana Mirica is from Rochester Hills, MI. She has work experience at Westport Yachts, Huckins Yachts, General Dynamics, NASSCO, and has sailed with Crowley Maritime Co. She believes that she will make a promising gubernatorial candidate.



David Ockers is from Middleboro, MA. He has work experience at Detyens Shipyard, ABS, and has sailed with Chevron. In the future, he hopes to become a Tik Tok Influencer or Life Coach.

