Overview

CASE STUDY:
RIVIERA LINES | FOILS CATAMARAN | FRANCE
PRODUCT:
2 x Baudouin 12M26.3 Marine Propulsion Engines
CLASSIFICATION SOCIETY:
IMO III
DUTY:
P2 Heavy Duty
POWER OUTPUT:
2 x 1630 HP (1200 kW) @ 1800 RPM
APPLICATION:
High-Speed Passenger Catamaran
PARTNERS:
Shipyard:
TRANSMETAL INDUSTRIE
Naval architect:
MER ET DESIGN
Customer:
RIVIERA LINES

RL Héloïse: A Sustainable French Catamaran Powered by Baudouin

The RL Héloïse is a groundbreaking 26-meter aluminium catamaran equipped with foils, marking a first in Europe for passenger transport vessels. Designed by Mer et Design and constructed by Transmetal Industrie, this vessel is set to operate on the Nice–Cannes–Saint-Tropez route, offering a sustainable and efficient maritime solution.

RL Héloïse is powered by two Baudouin 12M26.3 marine propulsion engines, making Baudouin's advanced technology the driving force behind this innovative passenger catamaran. Baudouin's globally renowned engines provide the 26-meter vessel with exceptional power and reliability, enabling swift, smooth voyages while carrying up to 347 passengers on the popular South of France route. This advanced propulsion, combined with a cutting-edge hydrofoil system, allows RL Héloïse to glide efficiently above the waves at speeds of up to 20 knots, offering passengers a quieter, more comfortable ride and exceptional performance for a vessel of its class.

The 12M26.3 marine propulsion engines, each delivering 1,200 kW at 1800 RPM, are designed for heavy-duty applications and comply with IMO III emission standards. Their advanced common-rail fuel injection systems and robust construction ensure reliable performance and efficiency, aligning with the vessel's sustainability goals.

Baudouin's technology also propels RL Héloïse toward ambitious sustainability goals. The Baudouin 12M26.3 engines are fully compatible with 100% renewable biofuel, significantly reducing the vessel's emissions without compromising performance. Utilizing clean fuel and innovative hydrofoils to reduce hydrodynamic drag, RL Héloïse achieves a remarkable 40% decrease in fuel consumption and completely eliminates CO_2 emissions during operation. This aligns closely with Riviera Lines' strong environmental commitment and compliance with stringent marine emissions standards.

Developed and built entirely in the South of France, RL Héloïse showcases local innovation and marine engineering excellence. Baudouin's global reputation for reliable, high-performance marine engines is a core element of the vessel's success. The seamless integration of Baudouin's propulsion systems, advanced foil technology by Strato Compo, and the commitment to biofuel supplied by Fioul 83 – Falaize Énergies Alternatives highlight RL Héloïse as a landmark achievement in sustainable maritime transport and a testament to Baudouin-powered innovation.

Baudouin marine propulsion engines are globally recognized for their quality, durability, and reliability. Designed specifically for marine applications, these engines ensure optimal performance and are optimized for easy, cost-effective maintenance. Baudouin's commitment to environmental responsibility is evident in their compliance with the latest marine and inland shipping environmental standards, including IMO III and EPA Tier IV regulations. This ensures operators meet current requirements and are prepared for future regulatory developments. Additionally, Baudouin's extensive global service network provides operators with confidence in the longevity and sustained performance of their propulsion systems.