

Finnclipper

Ship type	RoPax ferry
Shipowner	Stena Rederi AB
Shipyard	Astilleros Españoles S.A.



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Main Dimensions

Dwt	7,823 t
GT	33,958
Capacity	440pax/lm
LOA	188 m
Beam	28.7 m
Draught	6 m

Project type	Ship status	Design scope	Delivery year
Newbuild	Delivered	Concept, Basic	1999

Scope of Work for the Shipowner

- Project design and the development of the ship concept, including main dimensions, capacities, speed and power estimation, general arrangement, machinery arrangement, weight calculations, midship section, hull form, and stability calculations

Scope of Work for the Shipyard

- Project and contract design, including general and machinery arrangements, trailer capacity plan, cross sections, weight calculations, speed and power estimations, hull form development, electrical balance, stability calculations, thermal balance, escape way calculations, tonnage calculations, cost estimations, and participation in SNMA and owner meetings
- Basic design, including general lightweight calculations and budgets, hull classification and transverse sections, outfitting design, interior design, HVAC design, machinery arrangement, machinery system diagrams, and electrical and automation systems
- Procurement, including outfitting, interior, HVAC, machinery, and electrical and automation systems

Project Features

- A lower hold concept was developed in accordance with new damage stability rules for ro-pax vessels, including the creation of a new method for calculating and analyzing criteria. This method considered all possible combinations of damage within the lower hold and adjacent compartments, ensuring compliance with B/5 regulations.
 - Performance optimization was carried out, resulting in reduced resistance, enhanced propulsion efficiency, and improved maneuverability
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Additional Information

IMO number	9137997
Ice class	1A