

# SUNFLOWER KURENAI 6,918 DWT Passenger/Car Ferry **1**

[Contents](#)

[By Builder](#)

[By Ship Type](#)





# SUNFLOWER KURENAI 6,918 DWT Passenger/Car Ferry 1

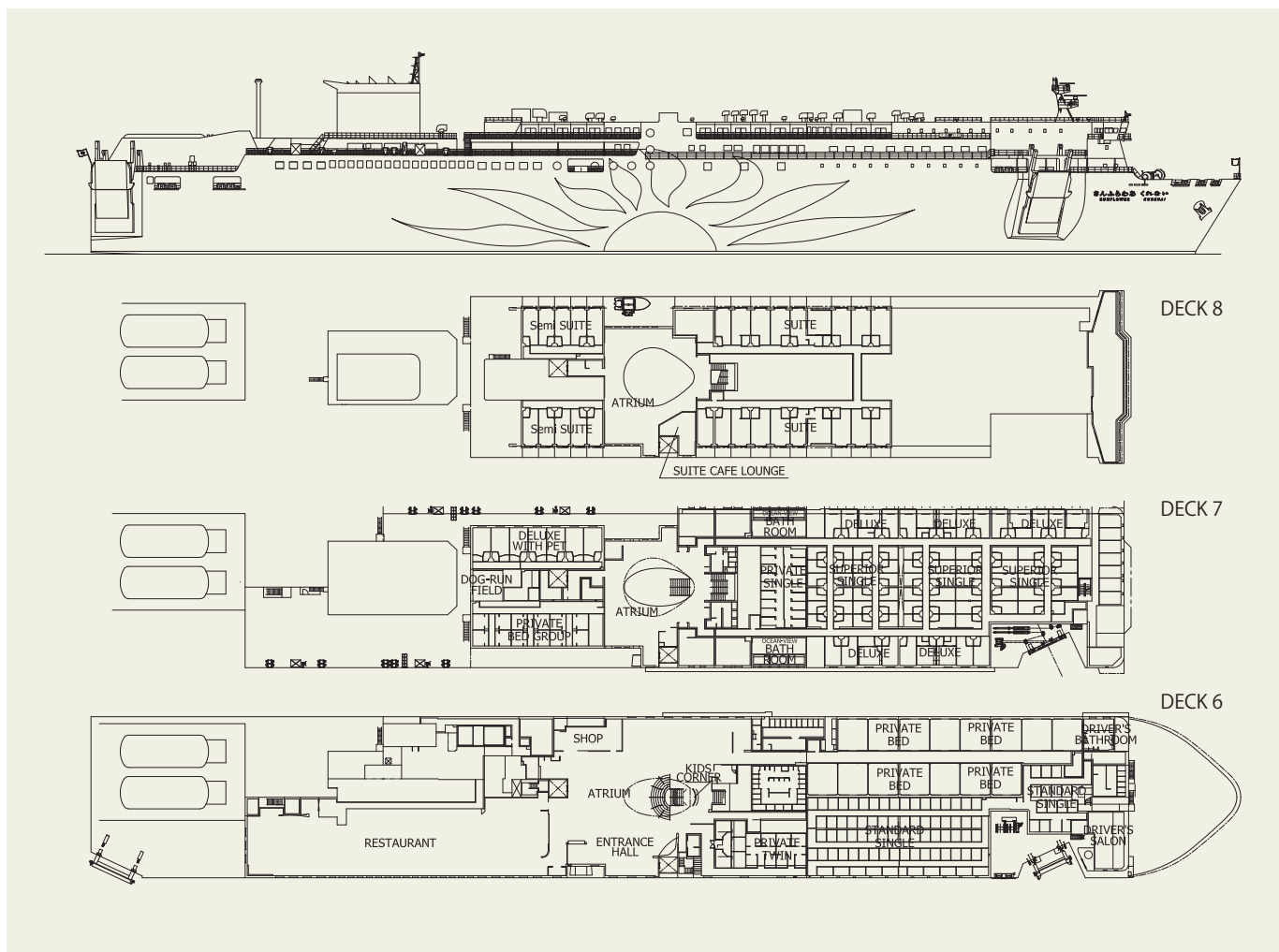
Contents By Builder By Ship Type

The SUNFLOWER KURENAI is Japan’s first LNG-fueled ferry designed and built by Mitsubishi Shipbuilding Co., Ltd. and was delivered to the owner Mitsui O.S.K. Lines, Ltd. and the operator Ferry Sunflower Co., Ltd. (currently MOL Sunflower Ltd.) on December 16, 2022 to start its service in a domestic ferry route between Osaka (Osaka) and Beppu (Oita). The environmental performance and seaworthiness of the vessel are enhanced by advanced propulsion systems and equipment.

State of the art high-performance dual-fuel engines can run with both liquefied natural gas (LNG) and marine diesel oil. The use of LNG fuel is expected to achieve a 20% reduction in CO<sub>2</sub> emissions and close to zero emissions of sulfur oxides (SOx). The newly designed high performance hull form reduces the hull resistance, and the proximity twin-screw system incorporates shaft brackets to improve the propulsion efficiency. The shaft generators/motors controlled

by thyristors are driven by both main engines and electric diesel generators, to supply electricity for hotel services and propulsive power assistance. Public areas include enlarged bathing facilities, a more spacious restaurant, and a three-

deck-high atrium. Some cabins and public spaces are equipped with various barrier-free facilities so that every passenger can enjoy their onboard trip throughout its voyage.



## PRINCIPAL PARTICULARS

Length (o.a.)	199.9 m
Breadth (mld.)	28.00 m
Depth (mld.)	20.90 m
Draft (mld.)	6.80 m
Gross tonnage	17,114
Deadweight	6,918 t
Main engine	Wartsila 16V31DF
Speed (service)	22.5 knots
Complement	759
Classification	JG
Loading capacity (passenger)	716
(car/vehicle)	Car:100, 13mTruck:137
Builder	Mitsubishi Shipbuilding Co, Ltd.

# LADY SAMOA IV 1,200 GT Cargo and Passenger 2

[Contents](#)

[By Builder](#)

[By Ship Type](#)





# LADY SAMOA IV 1,200 GT Cargo and Passenger 2

Contents By Builder By Ship Type

## Features

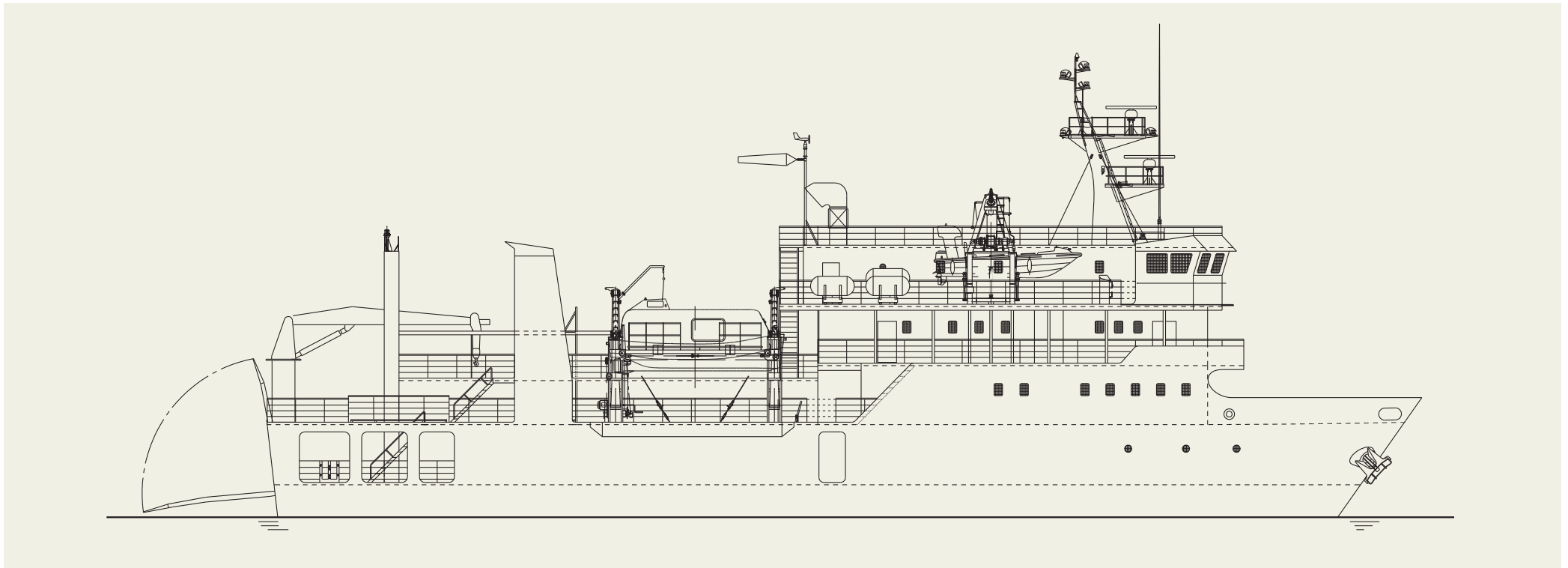
1. "LADY SAMOA IV " is designed and built as Inter-Island Ro-Ro Passenger Vessel. Cars and Trucks are loaded to vehicle deck from the stern ramp door.
2. The cargo on board are passengers, trucks, cars, containers, bulk cargoes, etc. deck crane for loading cargo is installed on the port side stern.
3. The vessel has total one (1) vehicle deck. The vehicle loading space and the bulk loading space are separated by a stern gate door in the cargo hold.
4. A solar panel is mounted above the awning deck, and

## PRINCIPAL PARTICULARS

Length (o.a.) .....	48.00 m
Breadth (mld.) .....	12.00 m
Depth (mld.) .....	3.80 m
Draft (mld.) .....	2.35 m
Gross tonnage .....	1,200 (International)

Deadweight.....	177 t
Main engine .....	YANMAR 6EY17W x 2
Speed (service).....	abt. 11.5 knots
Complement.....	297 persons
Classification .....	Class NK
Builder: .....	Naikai Zosen Corporation

5. The vessel has a hull form with good speed performance, which was new created through the water tank tests.
6. For good maneuverability in harbor, the bow thruster is provided.





# PENGHU 9,932 GT Ro/Ro Passenger Ferry 3

[Contents](#)

[By Builder](#)

[By Ship Type](#)





**PENGHU** 9,932 GT Ro/Ro Passenger Ferry **3**

Contents By Builder By Ship Type

**Features**

1. "PENGHU" is a two-engine, two-shaft, shaft-bracket type RORO PASSENGER VESSEL.
2. The vessel has two decks, CAR-DECK can load passenger cars, and RORO-DECK can load trucks, passenger cars, and containers.
3. As a barrier-free equipment for the elderly and hand-capped, an elevator that can go directly from RO-RO-DECK to the lobby is available. Barrier-free toilets are located on each deck.

**PRINCIPAL PARTICULARS**

Length (o.a.) .....	119.99 m	Deadweight.....	2,211 t
Breadth (mld.).....	21.00 m	Main engine .....	DAIHATSU 8DKM-36e x 2
Depth (mld.).....	13.30 m	Speed (service).....	abt 19.3 knots
Draft (mld.).....	5.50 m	Complement.....	632 persons
Gross tonnage.....	9,932 (International)	Classification .....	CR Classification Society
		Builder: .....	Naikai Zosen Corporation

4. The vessel has a hull form with good speed performance, which was new created through the water tank tests.
5. For good maneuverability in harbor, the bow thruster is provided.

