

Mozah-LNG Carrier-Qatargas

(Reference: Ships Review)



Mozah

Mozah is the largest LNG carrier in the world, built in 2008 by Samsung Shipbuilding & Heavy Industries in their shipyard in Geoje, South Korea. The vessel is Q-Max LNG carrier operated by Qatargas 2 and constructed with improved strength and capacity. The cargo ship is designed with maximum particulars for docking at the Ras Laffan terminal in Qatar, which is one of the largest exporters of LNG. The vessel was built according to the latest standards of IMO and using the most developed marine technology. The LNG carrier Mozah has overall length 345.00 m, moulded beam 53.00 m and maximum summer draft 12.00 m. With such size the vessel has deadweight of 128,900 DWT and gross tonnage of 163,922 GRT. The giant size of the ship makes it highly effective and really profitable, decreasing the freight and transportation costs. The ship Mozah has two GTT Mark III membrane type

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cargo tanks with high reliability and capacity for 266,000 cubic meters, transported at temperature of -163 degrees Celsius. The cargo capacity of the carrier equals to 161,994,000 cubic meters of natural gas, which can light up 70,000 homes for one year. The high efficiency is achieved by the special isolation membrane of the cargo tanks, which do not allow heating of the cargo.



The machinery of the LNG carrier Mozah is highly reliable and economy. The highly-reliable steam turbine plant is used as the main engine, which takes the heat from the cargo and has enough power for cooling the tanks. The steam turbine is usually most effective way for driving the large LNG carriers, as on board of Mozah there are two main boilers for steam generating plants, which can burn ordinary fuel oil, mixed with fuel oil and BOG, allowing appropriate burning of BOG as fuel. Such system ensures high efficiency and allow the LNG carrier to operate with service speed of 19.5 kn. The cargo vessel achieved lower fuel consumption of more than 40% compared with other



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conventional LNG carriers. The engineering and cargo handling system is designed with special monitoring for harmful toxic gases and reduce them to minimum. In addition the on-deck re-liquefaction system is used to reduce the LNG losses and also protect the environment from toxins. Mozah is not just economy and profitable, but also highly environmental ship. Onboard the implemented the latest technologies of marine engineering and navigation.

Mozah is owned and operated by Qatargas 2, which shareholders are Qatar Petroleum, ExxonMobil Qatargas II Limited and Total E&P Qatargas II Holdings Ltd. The vessel is part of 14 Q-Max sister-ships. Mozah has IMO number 9337755, MMSI 538003212 and call sign V7PD7.

Mozah Specifications

- Length (overall): 345.00 m
- Breadth: 53.00 m
- Draft: 12.00 m
- Deadweight: 128,900 DWT
- Gross Tonnage: 163,922 GRT
- Cargo capacity: 266,000 cub m
- Engine: Steam turbine
- Speed: 19.5 km
- Builder: Samsung Shipbuilding & Heavy Industries
- Year: 2008
- Owner: Qatargas 2