LNT12 – YICHANG MAX LNG Carrier

LNT12 is a shallow draught 12,000m³ LNG carrier designed by LNT Marine. The design is based on the LNT A-BOX® containment system, which gives excellent volume utilization and allows for design of an efficient shallow draught hull form.

LNT12 is a building friendly and medium scale LNG carrier for coastal and river trade. The design is suitable for re-loading of cargoes, and has been developed to meet the growing demand for local and regional distribution of LNG. The draft and air draft enables the LNT12 ships to serve smaller terminals in coastal areas and rivers where large scale infrastructure is not feasible.

### Main Dimensions
- Length OA: 135.0 m
- Length PP: 130.2 m
- Beam moulded: 26.0 m
- Depth moulded: 10.0 m
- Design draught: 4.1 m
- Air draught: 18.0 m

### Deadweight & Capacities
- Deadweight: approx. 5,800 ton
- D.O. and ballast capacity: TBA

### Machinery & Propulsion
- The propulsion system shall feature two dual fuel main engines connected to a twin shaft and propeller. The auxiliary generator sets shall be able to burn natural gas.
- Dual fuel main engines: approx. 2 x 1,800 kW
- Auxiliary engines: TBA

### Cargo System
- No. of cargo tanks: 2
- Total capacity: 11,800 m³
- MARVS: 0.4 bar g
- Design density: 0.5 ton/m³
- Boil-off rate: approx. 0.16 % per day
- Min. temp.: -163°C

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LNT A-BOX®

The unique LNT A-BOX® containment system has been developed by LNT Marine. The LNT A-BOX® system consists of an IMO independent tank type A placed in an insulated hold space. The system combines proven technologies in a safe and cost effective configuration. The idea was to develop and commercialize a simple and efficient cargo containment system that could enable more shipyards to build the LNG carriers. LNT A-BOX® offers a number of advantages compared to other containment systems for LNG.

Building capacity and costs
• Enabling more yards to build LNG carriers
• Independent tank construction
• Simple and cost-effective design

Safety
• Easy inspection and maintenance
• No filling restrictions
• Robust tank design
• Independent barriers

Efficiency
• Excellent volume utilization
• Excellent thermal insulation
• Hull form flexibility

LNT Marine
LNT Marine (LNT) is a technology provider and contractor within the LNG sector, gas carriers and other types of cold cargoes. We invent and develop new technologies. We provide design and engineering for marine solutions based on our proprietary technologies, and we offer system supply as well as technical support and installation services.

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