32 000 m³ LNG Carrier

Main Dimensions:

- Length overall: 176 m
- Length between perpendiculars: 165 m
- Breath, moulded: 28.8 m
- Depth, at main deck: 18.0 m
- Depth, at trunk deck: 21.6 m
- Draft, Design: 7.4 m
- Draft, Ballast: 6.5 m
- Air Draft: 32 m
- Deadweight, at design draft: 15,600 tons
- Gross tonnage: 28,000 UMS

Cargos Tanks:
- 3 Membranes type GTT NO96 tanks
- Cargo Capacity (98.5%): 32,000 m³
- Boil-Off-Rate (Standard / Reinforced): 0.23/0.24 % per day

Other Tank Capacities:
- Ballast water: 12,950 m³
- Marine Diesel Oil: 750 m³
- Gas Oil: 20 m³
- Lub Oil: 50 m³
- Fresh water: 100 m³

Machinery:
- Diesel-Electric Propulsion system
- Total Installed power: 13,050 kW
- Consumption at 85% MCR: 1.8 t/hr = 43.2 t/d

Propulsion:
- Single Crew, fixed pitch, diameter: Abt. 5.2 m
- Electrical motors: 2x5 MW
- Bow Thruster: 1 600 kW
- Option 1: Diesel mechanical system
- Option 2: twin screw

Cargo Equipment:
- Main cargo pumps (2 per tank): 500 m³/h each
- One emergency cargo Pump: 170 m³/h
- Stripping pump (1 per tank): 25 m³/h each
- Fuel gas pump (1 in tank 1 and 2): 5 m³/h each

Other Ship’s Equipments:
- Safety equipments: 1 freefall, 1 rescue boat
- Ballast pumps: 3x 600 m³/h
- Manifolds: L-V-L
- Manifold cranes: 2 x 3 t SWL
- Inert gas generator

Accommodation:
- Crew cabins: 25
- 2 provision cranes

Classification:
- BV, LR, DNV, ABS, CCS or equivalent
- +1A1 Tanker for Liquefied Gas, Ship type 2G, Clean Design, Gas fuelled

Speed / Range:
- Speed, at design draft, 85% MCR, 15% SM: 16.5 knts
- Range, at design draft (DO fuel only): Abt. 5 000 nm

This document contains information resulting from testing, experience and know-how of GTT, which are protected under the legal regime of undisclosed information and trade secret (notably TRIPS Art. 39) and under Copyright law. This document is strictly confidential and the exclusive property of GTT. It cannot be copied, used, modified, adapted, disseminated, published or communicated, in whole or in part, by any means, for any purpose, without express prior written authorization of GTT. Any violation of this clause may give rise to civil or criminal liability. © GTT, 2010-2011

3/22/2013 1