



Class Notation:

DNVGL: + 1A Container ship BIS TMON LCS E0 NAUT(OC)
 BW(M) DG(P) RCP(400/80) COAT-PSPC(B) Gas Fuelled
 RSCS ECA(SOX-A) CLEAN(Tier III) SAFELASH

Main Dimensions:

Length overall	173.30 m
Length b.p.	162.80 m
Breadth mld	30.00 m
Depth to Main Deck	13.30 m
Design / Scantling Draft	8.50 / 9.50 m
Deadweight (Design / Scantling)	abt. 17900 t / 21800 t
Gross Tonnage	abt. 17700
Net Tonnage	abt. 9100

Container Capacity (gearless):

Container	20'	40'	45'	40' Reefer	53'
On deck	959	474	463	244 R	321
In hold	488	228+32	228	144 R	0
Total	1447	702+32	691	388 R	321

(8'6" height for 20', 40' and 45', 9'6" height for 40'R and 53')
 (8'6" height: 5 tiers in hold, 9'6" height: 4 tiers in hold)

Container Capacity (geared):

Container	20'	40'	45'	40' Reefer	53'
On deck	957	472	458	244 R	300
In hold	488	228+32	228	144 R	0
Total	1445	700+32	686	388 R	300

Container Stack Loads:

On deck (TEU[with lashing gap] / FEU)	80[90] / 120 t
In hold (TEU / FEU)	120 / 180 t

Speed / Consumption:

Max. speed on design draft (100% SMCR; 3 Bft.)	abt. 20.5 kn
Service speed on scantling draft (85% SMCR; 15% SM; 3 Bft.)	abt. 18.5 kn
Cons. max. speed on design draft (ME only)	MGO abt. 46.5 mt/day
Cons. service speed on scantling draft (ME only)	MGO abt. 39.1 mt/day

(Note: all figures are based on ISO-cond. excl. 5% tolerance, subject to final calculation, incl. 5% resistance reduction due to lines optimisation)

Endurance:

8000 nm at service speed (18.5 kn) on scantling draft on MGO
 4000 nm at service speed (18.5 kn) on scantling draft on LNG
 (ME and Auxiliaries for sea service, 0 Reefer)

Cargo Hold Ventilation:

4200 m³/h for each reefer container
 2-times for dangerous goods in closed container

Tank Capacity:

LNG (90% filling)	abt. 1150 m ³
MGO	abt. 1500 m ³
BW	abt. 8000 m ³
FW	abt. 150 m ³

Ship's Equipment:

Steel hatch covers, pontoon type
 3x combi windlass/mooring winches on forecastle deck
 2x mooring winches on aft poop deck
 Fully-balanced twisted leading edge type with high effective flap
 Optional: 2x cylinder luffing crane

Accommodation:

23 crew + 2 spare + Suez crew

Machinery:

Main Propulsion Engine:
 WinGD W6X62DF (for LNG or MGO)
 with SMCR 13700 kW

Diesel Generator:
 2 Generator each abt. 2770 kWe (for LNG or MGO)
 1 Generator abt. 1600 kWe (for LNG or MGO)
 1 Emergency Genset abt. 200 kWe

AUX Plant:

1 bow thruster abt. 1000 kW
 1 stern thruster abt. 500 kW
 1 LNG plant
 1 automatic heeling system
 1 steam plant for tank heating
 1 oil fired boiler
 1 exhaust gas boiler for ME
 1 BWT unit
 1 FW evaporator 25 t / day at 60% SMCR

Navigation Equipment:

2 radar plant
 1 auto pilot 7 gyro compass
 2 GPS navigator
 Electronic sea charts

(Note: all figures are preliminary and subject to final calculation)

Preliminary