

12,200 CEU PCTC



The vessel is developed around the Sleipner concept having the declared target of lowest fuel consumption per transported cargo.

The low fuel consumption is primarily obtained by:

- A high payload to displacement ratio, due to a low and lightweight design and “Zero WB”.
- Hull optimization for effective working range, includes optimum positioning of LCB.

- Highly optimized engine - propeller - hull interaction
- Low wind resistance.
- Machinery such as shaft generator, battery package, and more.

Optimization of the design, incl. hull, ramp arrangement, deck layout etc., has been optimized for payloads of 17,000t – 25,000t. Design condition is based on homogenous stowed payload.

MAIN PARTICULARS

Length o.a. approx.	240.00 m
Length p.p.	234.00 m
Breadth, moulded	40.00 m
Design draught	8.85 m
Summer draught	10.00 m
Depth moulded (Freeboard deck)	15.50 m
Deadweight at design draught	21,000 t
Deadweight at summer draught	30,000 t

RORO COMPONENTS

No. of car decks	15 pcs
No. of moveable decks	3 pcs
Rear quarter ramp:	
Width of driveway	9.00 m
Permissible load	200 t

CAPACITY

Cargo:

Cargo deck area (incl. ramps)	102,000 sqm
High and heavy deck area	12,600 sqm
Car capacity (CEU)	12,200 CEU

Tank capacity:

MGO	800 m ³
LNG (100% filling)	3,800 m ³
LNG tank type	Type C - Bilobe
FW	300 m ³
Ballast water	6,000 m ³

Compliment:

No. of crew	24 pers
Maintenance crew	4 pers

SPEED	
Service speed	19.00 kn
Design speed	15.00 kn

ENDURANCE AND FUEL CONSUMPTION

Endurance:

Endurance below is given at specified speed at design draught, Tier II, LHV 50,000 kJ/kg, incl. maker tol., 15% SM, gas mode, SG load incl.

Mode	Speed	Days	nm
LNG	15 kn	58	21,000
LNG	19 kn	30	13,500

Fuel Consumption:

Consumptions below are given at specified speeds at design draught, Tier II, excl. makers tol., 15% SM incl., excl. SG load.

LNG:	
15 kn	21.3 t/day
19 kn	44.5 t/day
MGO:	
15 kn	26.1 t/day
19 kn	53.3 t/day

MACHINERY & EQUIPMENT	
Machinery:	
Main engine	MAN ES 7G60ME-GI-ECOegr
SMCR	15,600 kW x 103.0 rpm
Aux. power	2 x 1,850 kW
	1 x 1,250 kW
Equipment:	
Shaft generator	1 x 1,500 kW
Bow thruster	1 x 2,500 kW

DESIGN LOADS	UDL (t/m2)
Deck 7, 8, 9, 10, 11, 12, 13, 14, 15	0.25
Deck 6	3.00
Deck 5	0.25
Deck 4	2.00
Deck 1, 2, 3	0.25

MISCELLANEOUS	
Flag	-
Classification	DNV
	✘ 1A, Car Carrier, E0, GAS FUEL LNG, NAUT (AW), BWM (T), BIS, TMON (Oil lubricated).
EEDI	Phase III

All information is approximate and given in good faith.

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