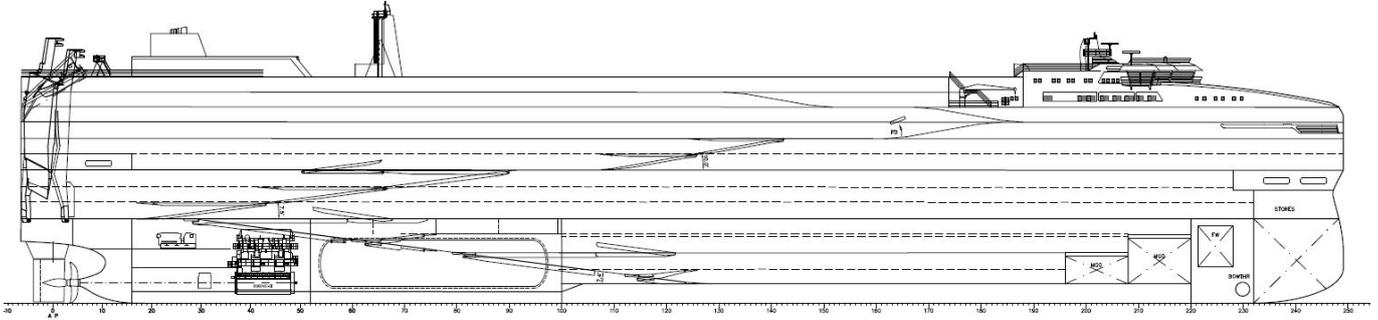


8,600 CEU DF PCTC



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, EcoEGR and more

Optimization of the design, incl. hull, ramp arrangement, deck layout etc, has been optimized for payloads of 8,000 t – 15,000 t with a corresponding DWT of 10,500 t - 20,000 t. Design condition is based on homogenous stowed payload.

MAIN PARTICULARS

Length o.a.	227.90 m
Length p.p.	221.50 m
Breadth, moulded	38.00 m
Depth moulded (Upper deck)	39.31 m
Depth moulded (Freeboard deck)	14.60 m
Design draft, moulded	9.30 m
Summer/EEDI draft, moulded	10.20 m

DEADWEIGHT

Deadweight at design draft	14,800 t
Deadweight at scantling draft	20,500 t

CAPACITY

Cargo

Car deck areas	72,300 m ²
Car capacity (RT43)	8,600 CEU

Tank:

Type C LNG	2 x 1,600 m ³
MGO	700 m ³
Fresh water	230 m ³
Ballast water	+6,000 m ³

Complement:

No. of crew	24 pers
Maintenance crew	4 pers

MACHINERY & EQUIPMENT

Machinery:

Main engine	1 x MANB&W 8S60 ME-C10.5 GI EcoEGR
SMCR	13,710 x 95.0 rpm
CSR (90% SMCR)	12,339 x 91.7 rpm
Generator set	2 x 1,755 kWe
Generator set	1 x 1,170 kWe
Emergency generator	1 x 350 kWe

Equipment:

Shaft generator	1 x 2,000 kWe
Shore connection	2,000 kWe
Bow thruster	1 x 2,000 kWe

RORO COMPONENTS

Decks:

No. of car decks	13
No. of moveable decks	5

Stern ramp:

Width of drive way at narrowest part	10.00 m
Permissible normal load	300 t

Side ramp:

Width of drive way at narrowest part	6.00 m
Permissible normal load	10 t

MISCELLANEOUS

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

SPEED & CONSUMPTION

Speed:

Service speed at design draught at CSR	19.0 kn
ECO speed at design draught at 43 % SMCR	15.0 kn

Endurance:

Endurance below are given at specified speed, design draught, Tier II, gas mode, LHV 50,000 kJ/kg, ISO conditions, incl. S/G load and 15% SM.

Cruising range at 19.0 kn	12,000 nm
Cruising range at 15.0 kn	19,000 nm

Fuel consumption:

Consumptions below are given at specified speed, design draught, Tier II, incl 15% SM and ISO conditions.

FO consumption at 19.0 kn	46.0 t/day
FO consumption at 15.0 kn	22.2 t/day
Gas consumption at 19.0 kn	38.3 t/day
Gas consumption at 15.0 kn	18.2 t/day

DESIGN LOADS

	UDL [t/m ²]	Axle load [t]	Bogie load [t]
Deck 11, 12, 13	0.25	1.5	
Deck 10	0.30	2.0	
Deck 9 (liftable)	0.25	1.5	
Deck 8	1.00	10.0	20
Deck 7 (liftable)	0.25	1.5	
Deck 6 (hoistable)	0.25	1.5	
Deck 5	2.50	50.0	80
Deck 4 (liftable)	0.30	2.0	
Deck 3	1.50	20.0	35
Deck 2 (liftable)	0.25	1.5	
Deck 1	6.00	20.0	35

All information is approximate and given in good faith.

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