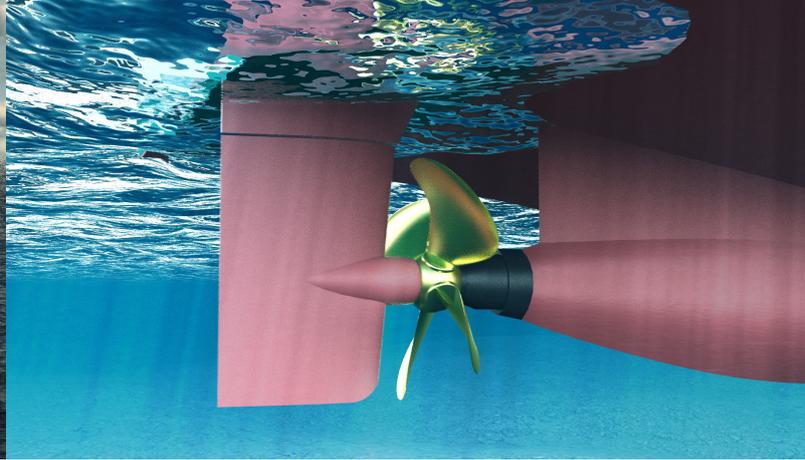


# ORCA CLASS

THE GREEN FUTURE  
OF HEAVY LIFT SHIPPING





# VESSEL HIGHLIGHTS



## SPEED & FLEXIBILITY

- 18.5 kn max speed
- Hybrid drive
- High efficiency at any speed



## CARGO HOLD & INTAKE

- Large cargo intake and deck space
- Flexible box-shaped cargo hold and hatch cover system
- „Hatchcoerless“ class notation for open hatch sailing



## CRANE OUTFITTING

- Powerful, fast and fully electric cranes
- Large lifting height and outreach
- Assist and safety systems



## HATCH COVER STRENGTH

- High strength according to class and practical needs
- Weight spreading efforts reduced
- Reduced manual handling



## QHSE

- QHSE optimized and friendly work environment
- Safety, health and comfort for crew and clients



## ZERO EMISSION

- Methanol-ready vessel design and engine concept
- Minimized footprint and fuel cost for vessel profile



## SHIP TO SHORE CONNECTION

- Shore power supply
- Power feed-out on deck for client's equipment



## OPTIMIZED HULL DESIGN

- Good sea-keeping behaviour
- Low accelerations for cargo
- High freeboard & forward deck house shelters cargo deck



## MANOEUVRABILITY & REDUNDANCY

- Compact vessel design
- High manoeuvrability



## POLAR CODE & ICE CLASS

- Ice Class (1A)
- Polar Code
- Low design temperatures and working in cold climate

# SHIP'S PARTICULARS

## CLASS

Ice class 1A (Finnish / Swedish), strengthened for heavy cargo

## SHIP DIMENSIONS

Length over all	149.90 m
Length between perps.	142.27 m
Breadth moulded	27.20 m
Breadth over all	27.65 m
Depth moulded	16.70 m
Draught	8.5 m
Deadweight	14,600 t

## CAPACITIES

**Cargo Gear** 2 × low noise, fully electric cranes; each 800 t SWL (in combination 1,600 t); auxiliary hoist 60 t; sling hoist 10 t, man-riding certified

**Hatch Cover** Pontoon type, heavy duty, floatable, quick acting spreader handled

**Tweendeck Cover** Pontoon type, water ballast-able, quick acting spreader handled, 4 adjustable heights

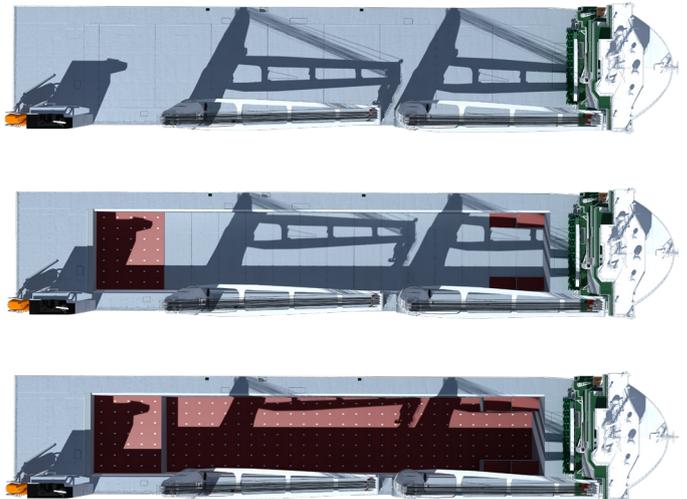
Number of Holds	1	
Dimension of Hold	107 × 18.5 × 13.3 m	
Volume of Hold	23,600 m <sup>3</sup>	
Free Deck Space	3,300 m <sup>2</sup>	
Permissible Deck Loads acc. DNV STN-001	Weatherdeck	10 t/m <sup>2</sup>
	Tweendeck	8 t/m <sup>2</sup>
	Tanktop	18 t/m <sup>2</sup>

## EMISSIONS

**Fuel readiness** Methanol (acc. future ISO/AWI 6583) after installation of pre-approved Methanol Module

**NO<sub>x</sub>** 10% below IMO Tier III limits

**CO<sub>2</sub>** 21% below EEDI Phase 3 requirement using IFO / MGO; CO<sub>2</sub> neutral using Green Methanol



June 2025 • All particulars believed to be correct but not guaranteed.