



VESSELS

Renewables

seaway⁷



Seaway Alfa Lift

Vessel Info

Full specification overleaf

Seaway Alfa Lift, is a large heavy lift crane vessel, perfectly suited to offshore construction.

Featuring a 3,000 tonne crane and an 8,000m² main deck space with a strength of 30t/m², the vessel is capable of transporting and installing offshore structures including jackets, transition pieces, topsides and monopiles.

The vessel has an integrated motion compensated walk to work gangway and is in combination with a Class 2 DP system ideal for post installation hook up and completion activities on a variety of topsides structures including transition pieces and substations.

The vessel has capacity to carry up to 44,000 tonnes of cargo and equipment.

Seaway Alfa Lift is prepared for hybridisation with a battery upgrade procured and ready to install. The vessel will be equipped with an energy saving and storage system designed to maximise autonomy and allow for integration with different existing power and vessel management systems on board.

The main crane has a 71 metre maximum outreach and also has the ability to lower its A-frame to reduce the overall height of the vessel. This allows the vessel to pass under bridges, providing flexibility and reduced transit times.



Seaway Alfa Lift

General Information

Classification	DNV +1A Crane vessel, Heavy transport vessel BIS BWM(T) Clean (Design) COMF(C-3, V-3) Crane DYNPOS(AUTR) E0 ECA(SOx-A) LCS NAUT(OC) Recyclable SPS Strengthened(DK)
Built	2023
Flag	Cyprus

Principal Dimensions

Length overall (including crane)	244.6m
Length between perpendiculars	204.26m
Breadth moulded	56.00m
Depth moulded	12.60m
Deck length	
with buoyancy boxes in place	140.0m
with no buoyancy boxes	148.4m
Maximum draft	Summer draft 9.64m
Deadweight	44,000t
Net tonnage	20,122t
Gross tonnage	67,071t

Cargo Deck

Main deck area	
with buoyancy boxes in place	7,840m²
with no buoyancy boxes	8,310m²
Forecastle deck area	1,800m²
Main deck strength	30t/m²
Forecastle deck strength	15t/m² port and 7.5t/m² starboard

Vessel Speeds

Normal transit	10 knots
Eco transit	7 knots
Maximum Speed	13 knots

Power and Propulsion

Main engine generators	4x 6,875 kW
Tunnel thrusters	3x 3,200 kW
Stern thrusters	3x 5,500 kW
Bow azimuth thruster	1x 3,200 kW
Battery capacity	1,615 kWh
Convertor capacity	4,700 kW

DP Systems

DP Classification	DP2
DP System	Kongsberg K-Pos DP-22
Reference Systems	2x DGNSS DPSi6 GPS working with INS-C, 1x DGNSS DPS 232, Taut Wire, 2 x HiPAP 502 HPR, RADIUS

Tank Capacities

Fuel oil	4,055m³
Anti-Heeling	9,277m³
Ballast water	144,045m³
Potable water	273m³
Technical fresh water	96m³
Urea	390m³
Scrubber tanks	840m³

Cranes

Main Single Hoist Mode	SWL 3,000t
	Lifting height 108m
	Lowering depth Sea Level
Main Dual Hoist Mode	SWL 2x 1,500t
	Lifting height 108m
	Lowering depth Sea Level
Main Auxiliary Hoist SWL	100t
Main Trolley Hoist SWL	15t
Auxiliary Crane Capacity	2x 15t
	1x 3t

Accommodation

Accommodation	100
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Walk to Work Gangway

Type	Safeway Osprey
Outreach	23m +/- 5m telescoping
Operating Limits	20 m/s wind speed
	3.5m Hs wave height
Operating modes	Heave compensation and hover modes
Luffing Range	+/- 20 degrees
Slewing Range	180 degrees
Access via internal elevator directly from various levels and workshops inside the ship.	



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