

ALFA LIFT

Vessel specifications

Alfa Lift is the largest and most efficient custom-built offshore wind foundation transport and installation vessel in the world. Designed by Ulstein, Alfa Lift features a 3,000 t crane, an automated skidding system, and more than 10,000 m² of usable deck space.

Alfa Lift has semi-submersible and heavy transportation capabilities and can carry cargoes of up to 48,500 t. The vessel can also be used for transport, installation or decommissioning of topside and subsea modules.

TECHNICAL DATA

Length over all	217.88 m	Free deck length	148.40 m
Length p.p.	204.26 m	Free deck area	8,310 m ² main + 1,800 m ² fcstl
Breadth moulded	56.00 m	Max deck load	30 t/ m ² main + 15 t/m ² fcstl
Depth moulded	12.60 m	Typical speed	14 kn
Summer draft	9.64 m	Cruising range	55 days
Deadweight	51,087 mt	Accommodation	100 people
Submerged depth above deck	14.66 m	Flag	Norwegian
Dynamic positioning	DP2 360 deg. HS 2.5 m	Classification	DNV GL
Max crane capacity	3,000 t	Delivery	2021
Crane hook height	108.00 m		



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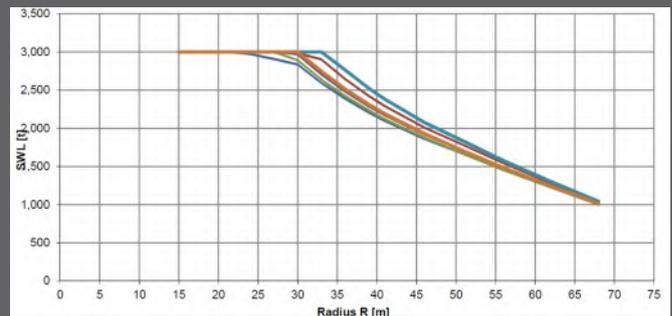
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CRANE INFORMATION

The versatile crane can lift and install a full range of offshore wind foundations including tall jacket structures, and the largest monopiles.

The crane operates in two main modes, either with one main hook of 3,000 MT or with dual hooks of 2 x 1,500 MT.

Monopiles are never held in suspension during installation. They are either in their storage position, in the deck mounted transportation system or in the upending tool which hands the monopile directly into the pile gripper frame.



	Single hoist mode	Dual hoist mode	Subsea mode
SWL	3,000 t	2 x 1,500 t	1,000 t
Lifting height	108 m	108 m	108 m
Lowering depth	Sea level	Sea level	300 m below sea level



MONOPILE DIMENSIONS

Monopile length:	Up to 105 m
Monopile weight:	Up to limitations set by the crane
Capacity:	11 x 2,000T MP's + 11 x 400T TP's
Or capacity:	16 x 1,250T MP's + 16 x 250T TP's