

ALFALIFT

Ship description

Alfa Lift is a heavy installation crane vessel design (patent pending) with semi-submersible heavy transportation capabilities. The vessel is designed to install all types of bottom fixed offshore wind foundations and will also transport and install topsides and subsea modules, in addition to other heavy cargoes within oil and gas.

TECHNICAL DATA

Length over all	216.33 m	Free deck length	148.40 m
Length p.p.	204.26 m	Free deck area	8,310 m ² main+ 2,470 m ² fcstl
Breadth moulded	56.00 m	Max deck load	30 t/ m ² main + 7.5 t/m ² fcstl
Depth moulded	12.60 m	Maximum speed	14.3 kn
Summer draft	9.387 m	Cruising range	55 days
Deadweight	48,000 mt	Accommodation	100 people
Submerged depth above deck	15.00 m	Flag	Norwegian
Max deck load	30 mt/m ²	Classification	DNV GL
Dynamic positioning	DP2 360 deg. HS 2.5 m	Delivery	2021 Q1

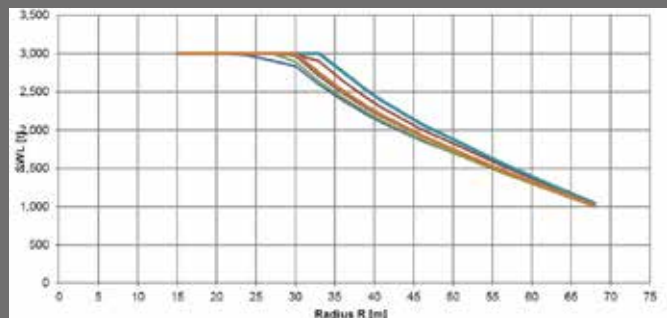


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The versatile crane can lift high cargoes from deck as well as install subsea templates. The crane operates in two main modes, either with one main hook of 3,000 MT or with dual hooks of 2 x 1,500 MT. The ship is equipped with a transport system on the main deck to bring cargo within reach of the main crane and upending tool. Monopiles are never suspended in free air 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	105 m	105 m	105 m
Lowering depth	Sea level	Sea level	300 m below sea level



MONOPILE DIMENSIONS

Monopile length:	45 m and upwards
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