



SEA POWER

Technical specifications

General

Vessel	SEA POWER
Type of vessel	Self-propelled ship-shaped semi jack-up
Classification	Germanischer Lloyd
Flag	Danish

Technical Dimensions

Length	91.76 m
Breadth	21.6 m
Draft	4.25 m
Leg length	32 m
Deck load	1.5-2.0 t/m ²
Tanktop load	5 t/m ²
Free deck space	1020 m ² (subject to deck layout)
Total net deck load	2386 t (depending on stability)
Service speed	7.8 kn
Operating water depth	4.5-24 m (depending on tide, penetration)

Jack-leg System

No. of legs	4
Jacking system	Wire
Jacking speed	0.7 m/min
Spudcan footprint	8.70 m ²

Main Crane

Type	TEREX CC2800
Main boom length	72 m + 12 m Jib
Max crane capacity	230 t @ 15 m outreach (22 meter using super lift)

Cargo Crane

Type	MH Hydralift
Main boom length	11-19.5 m
Max crane capacity	27 t

Tank Capacity

Fuel	405 m ³
Fresh water	39 m ³
Sewage tanks	50 m ³

Power Sources

Main engines	2 x 1200 kW
Shaft generator	2 x 750 kW
Aux. generator	1 x 425 kVA
Power supply	3 x 380 V, 50 Hz

Charterers' Accommodation

Charterers' personnel	18 persons
Charterers' cabins	17 cabins
Other facilities	Rest lounge Mess room Gym facilities (shared with vessel crew)

SEA POWER has been providing the offshore wind market with cost effective installation and component replacement services since 2002. This unique leg-suspended, self-propelled vessel is of the semi jacked type and has a relatively short pre-loading time making her extremely efficient.

SEA POWER can operate in water depths of up to 24 m.

The vessel can also provide a turbine feeder service with offshore transfer of components made possible by the ability to jack up and create a stable offshore platform alongside an offshore construction barge.

SEA POWER is capable of carrying between one and three turbines in the 2.3MW to 3.6MW range.

In March 2012, SEA POWER's crane was upgraded – increasing her lifting height to 100 m above main deck and her capacity to 230 tonnes. Due to her unique super-lift concept, the crane boom outreach can be extended to a 22 m radius with full load.

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General Arrangement

