

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

Tanktop load 5 t/m²
Free deck space 1020 m² (subject to deck layout)
Total net deck load 2386 t (depending on stability)

Service speed 7.8 km

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 m²

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 m³
Fresh water 39 m³
Sewage tanks 50 m³

Power Sources

 $\begin{array}{lll} \mbox{Main engines} & 2 \times 1200 \mbox{ kW} \\ \mbox{Shaft generator} & 2 \times 750 \mbox{ kW} \\ \mbox{Aux. generator} & 1 \times 425 \mbox{ kVA} \\ \mbox{Power supply} & 3 \times 380 \mbox{ V, 50 Hz} \end{array}$

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 preloading time making her extremely efficient.

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

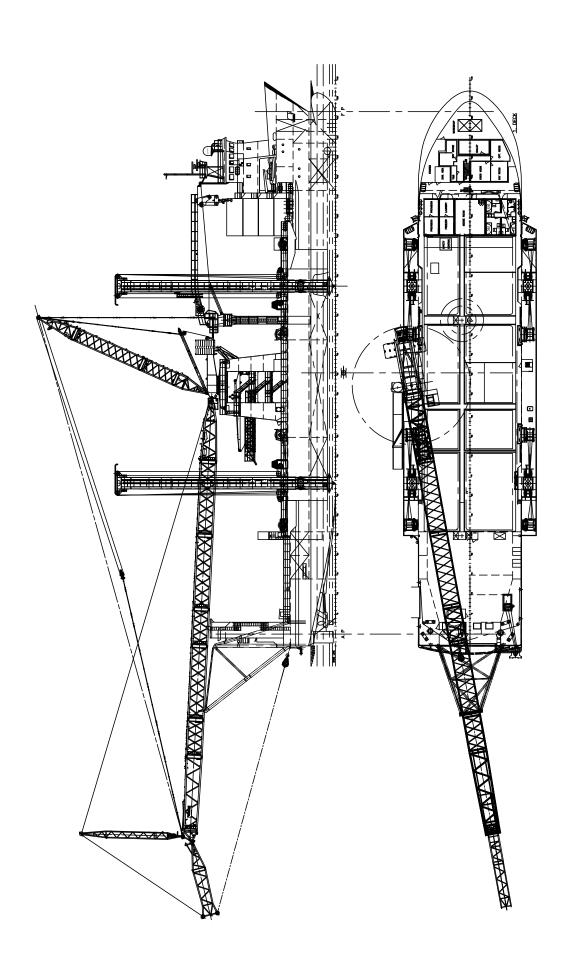
The vessel can also provide a turbine feeder service with offshore transfer of components made possible by the ability to jack up and create a stable offshore platform alongside an offshore construction barge.

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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