



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 |
| Office facility | 1 office with 1 work desk |
| Other facilities | Rest lounge Mess room Gym facilities (shared with vessel crew) |

Sister vessels, SEA POWER and SEA ENERGY have been providing the offshore wind market with cost effective installation and component replacement services since 2002. These unique leg-suspended, self-propelled vessels are of the semi jacked type and have a relatively short pre-loading time making them extremely efficient in performing their operations.

Both vessels can operate in water depths of up to 24 m.

The vessels 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

