

HEA

Leviathan



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HEA Leviathan

A highly versatile vessel designed to support both oil & gas and wind energy projects across the globe. With a 400T crane and flexibility to increase accommodation capacity, HEA Leviathan is ideal for turbine maintenance and providing accommodation support at oil & gas platforms and offshore substations.

General Information

| | |
|-------------------------------|---|
| Type: | Self-Elevating Jack up Barge |
| Design: | Gusto MSC NG2500X |
| Built: | 2009 |
| Builder: | Lamprell Energy Limited, (Sharjah) |
| Class & Notations: | ABS A1, Self-Elevating Unit, AAMS, ACCU, DPS-2, CRC |
| Flag: | Panama |
| IMO: | 9189608 |

Principle Dimensions

| | |
|----------------------------|-----------------------------|
| Length overall LOA: | 91.1m |
| Hull length: | 69.1m |
| Hull breadth: | 36m |
| Total beam (BOA): | 43m |
| Hull depth: | 6m |
| Draft: | 3.72m-6.72m incl. thrusters |
| Variable load: | 1590t |
| Load capacity: | 5t/m2 |
| Main deck area: | 1250 m2 |

Helideck

| | |
|-------------------------|------------------------------|
| Type/ Diameter: | Aluminium / 22.2m |
| Capacity: | 12.8 Tons |
| Helicopter type: | Sikorsky S61N-S92N / CAP 437 |

Legs and Spud cans

| | |
|-----------------------------------|----------------------|
| Number/Type: | 4 / Triangular truss |
| Leg length: | 84.8m |
| Spud can type: | Diamond with pin |
| Spud can dimension: | 2.44m |
| Spud can bearing area: | 30 m2 |
| Spud can bearing pressure: | 72 - 102 t/m2 |

Jacking System

| | |
|--------------------------|--------------------------|
| Type: | Electric rack and Pinion |
| Maker: | Gusto MSC |
| Pinion per leg: | 18/leg (Total 72) |
| Elevating speed: | 0.8m/min |
| Normal jacking: | 1494t/leg - 83t/pinion |
| Holding capacity: | 2754t/leg - 153t/pinion |
| Pre-load holding: | 3672t/leg - 204t/pinion |

Generators and Machinery

| | |
|-----------------------------|------------------------|
| Main generator: | 4 x CAT 3516, 1600 ekW |
| Emergency generator: | 1 x CAT 3412C, 480 ekW |
| Water maker: | 2 x 40 m3/day |
| STP: | 240 POB |

Propulsion

| | |
|-----------------------|--------------------------|
| AFT thrusters: | 2 x 1500kW, ZF, HRP 7000 |
| FWD thrusters: | 2 x 1500kW, ZF, HRP 7000 |
| Service speed: | 7 knots |

Cranes

Main crane

| | |
|-------------------------------|---|
| Maker/ Model: | Kenz-Figee B.V. EHC 400/5500 O.S. |
| Type: | Pedestal mounted crane at stern |
| Boom length: | 77.5m |
| Capacities: | 400t @ 10m-18.5m, 50t @ 73m, Aux; 50t @ 10.7m-60, 25t @ 77.5m |
| Hooks above main deck: | Main hook: 73.5m Aux hook: 78.68m |

Auxiliary crane

| | |
|----------------------|--|
| Maker/ Model: | Liebherr MTC 2600-100D LITRONIC |
| Type: | Offshore crane at Starboard |
| Capacities: | 100t @ 6.9m-12m, 50t @ 30.2m Aux; 15t @ 35.1m |

Safety Systems

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|-------------------------------|-------------|
| Lifeboats: | 2 x 120 POB |
| Life rafts: | 20 x 25 Men |
| MOB/Fast rescue craft: | 1 x 6 POB |

Tank Capacity

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|-----------------------|----------|
| Fuel oil: | 423.4 m3 |
| Fresh water: | 486.9 m3 |
| Ballast water: | 935.7 m3 |
| Endurance: | 60 Days |

Operation Conditions

| Criteria | Wind | Hs | Current |
|-----------------------|----------|-------|----------|
| Field transit: | 10.8 m/s | 2.0 m | - |
| DP: | 10.8 m/s | 2.0 m | 1.03 m/s |
| Jacking: | 10.8 m/s | 2.0 m | 1.03 m/s |
| Water depth: | 52m | | |

Control Systems

| | |
|--|---------------------------|
| DP system: | Kongsberg K-POS 21 |
| Navigation and communication systems, according to IMO requirements. | |

Accommodation and Facilities

| Configuration: | Current | Northern Europe |
|-----------------------|-----------|-----------------|
| 1 Man cabins: | 2 Cabins | 2 Cabins |
| 2 Men cabins: | 47 Cabins | 49 Cabins |
| 2 Men in TLQs: | 68 Cabins | 68 Cabins |
| 4 Men cabins: | 2 Cabins | - |
| 4 Men in TLQs: | - | - |
| Total POB: | 240 POB | 236 POB |

Facilities

Galley, mess room, client offices, meeting room, recreation rooms, gymnasium, changing rooms, coffee rooms, sick bay, Heli reception/ departure facilities, laundry, stores, workshops, Startlink VSAT and DP-PRS