

HEA

Leviathan



Al Khatem Tower | Level 18 | PO Box 4341
| ADGM | Abu Dhabi | UAE
Info@hea-energy.com
+971 2 585 5173

HEA Leviathan

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

CLASSIFICATION AND RULES

Type:	GustoMSC NG2500X
Built:	2009
Yard:	Lamprell Energy Limited, Dubai
Class:	ABS A1 Self-elevating Unit + AMS+ ACCU + DPS 2, Self Propelled, CRC
Flag:	Panama
IMO:	9189608

MAIN DIMENSIONS

Hull	
Length (waterline):	69.1m
Length (overall):	91.1m (including helideck)
Width overall:	43m
Hull depth:	6m
Draft:	3.72m (6.72m incl. thruster)
Main deck area:	450 m ²
Deck load	5t/m ²
Variable load:	610 t
GRT/NRT	5156/1543 t

Helideck (Aluminum)

Diameter:	22.2 dia., 12.8 tons
Helicopter Type:	Sikorsky S92A- S61N)

Legs and Spudcans

Number/Type:	4/triangular truss
Footing type:	Spudcan with pin
Leg length:	84.8m
Length below hull:	71.3m
Max. Water Depth:	50 m
Spuds surface area:	30 m ²

Jacking System

Type:	Electric rack and pinion
Pinion:	18/leg (Total 72)
Elevating speed:	0.8m/min
Pre-load capacity	2750t/leg
Max jacking load:	5900t
Bearing Pressure:	72t/m ²

MACHINERY/EQUIPMENT

Main Generator:	4 x CAT 3516, 1600 ekW
Em,cy Generator:	1 x CAT 3412C, 480 ekW
Water Maker:	2 x 40 m ³ /day
Sewage treatment:	1 x 240 person

Deck Equipment

Anchor Winches:	1 x Electro-Hydraulic, MBL 2030 kN, 278 kN, 600 m x 54 mm
Mooring Capstans:	2 x 50 kN

CRANES

Main crane	KENZ 400 EHC pedestal mounted at stern
Boom length:	73m (Main) 77.5m (Aux)
Capacities:	400t at 18.5m- 50t @ 73m main hoist (8 falls)

Auxiliary crane	2 x Palfinger knuckle boom crane at P and SB sides
Boom length:	22m
Capacities:	10.8t at 9m

SAFETY SYSTEMS

Fire and gas detectors throughout the whole vessel in full compliance with MODU requirements.

2 x 120 POB Lifeboats.
1 x 6 men Rescue Craft.
20 x 25 men Life rafts

PROPULSION UNITS

Azimuth thrusters:	4 x 1500kW, HRP 7000 (7011 WM)
Avg service speed:	7 knots

Control Systems

Dynamic Positioning Control System (DPCS) according to ABS DPS 2

Kongsberg K-Pos DP22

Navigation and communication systems, according to IMO and DSI requirements

ACCOMMODATION AND FACILITIES

Standard accommodation:

240 total POB
2 x 1 men berth
47 x 2 men berth
2 x 4 men berth
68 x 2 men berth (TLQ)

Cabins equipped with en-suite shower/ toilet, telephone, TV/DVD and network connections.

Facilities

Galley, mess room, client offices, meeting room, recreation rooms, gymnasium, male and female changing rooms, coffee rooms, sick bay, Heli reception/departure facilities, laundry, stores and workshops.