

HEA Titan



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

HEA

Titan

A robust self-propelled Jack up Barge tailored for offshore wind turbine installation and O&M / Major Component Exchanges. The unit features a 1000-ton main crane, four 85-meter legs, can operate in water depths up to 60 meters, and offers approximately 2500 m² of usable deck space. With its large lifting capacity and efficient layout, HEA TITAN is well-suited for complex offshore projects.

General Information

Type:	Self-elevating WTIV
Design:	MARIC
Built:	2018
Builder:	Xiamen Shipbuilding Industry (China)
Class & Notations:	ABS A1, Self-elevating Unit, DPS-1, Wind IMR, HELIDK, CRC(I)
Flag:	Panama
IMO:	9803170

Principle Dimensions

Length overall LOA:	119.2m
Hull length:	99m
Hull breadth:	40.8m
Total beam (BOA):	55.2m
Hull depth:	7.8m
Draft:	4.5m
Variable load:	2800t
Load capacity:	12t/m2
Main deck area:	2500 m2

Helideck

Type/ Diameter:	Aluminium / 22.2m
Capacity:	12.6 Tons
Helicopter type:	Sikorsky S61N-S92N / CAP 437

Legs and Spud cans

Number/Type:	4 / Cylindrical
Leg length / Diameter:	85m / 4m
Spud can type:	Square
Spud can L x B x H:	13m x 9.6m x 2.3m
Spud can bearing area:	124.8 m2
Spud can bearing pressure:	45 t/m2

Jacking System

Type:	Hydraulic Pin & hole
Maker:	GENMA
Elevating speed:	0.4m/min
Normal jacking:	4000 t/leg
Holding capacity:	6000 t/leg
Storm holding:	6000 t/leg

Generators and Machinery

Main generator:	4 x MTU 16V4000M33F, 1600kW
Emergency generator:	1 x Cummins NTA855-D(M), 200 kW
Harbour generator:	1 x MTU 16V2000M51A, 600kW
Water maker:	2 x 75m3/day
STP:	360 POB

Deck Equipment

Four-point mooring system:	4 x 500KN, 8500kg, Support load 1416 kN, Winding ≥9.2m/min, 600m rope Ø56
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Cranes

Main crane

Maker/ Model:	Gusto MSC GLC-1000-ED-S
Type:	Electric leg encircling offshore crane
Boom length:	101m
Capacities:	1000t @ 18.8-25m - 50t @ 92.5m Aux - 100t @ 75m, 35t @ 101m

Hooks above main deck:	Main hook: 109.35m Aux hook: 119.21m
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Auxiliary crane No.1

Maker/ Model:	GENMA RHL 50000-200-20(30-45)
Type:	Electric-hydraulic at SB with pedestal
Capacities:	200 tons @ 20m, 35t @54m

Auxiliary crane No.2

Model:	YQ5/16 Telescopic Crane
Capacity:	5t @ 16m

Safety Systems

Lifeboats:	2 x 80 POB, 1 x 150 POB
Life rafts:	24 x 25 Men
MOB/Fast rescue craft:	1 x 6 POB

Propulsion

AFT thrusters:	2 x 1800 kW Azimuth FPP
FWD thrusters:	2 x 900 kW Bow CPP
Service speed:	6 knots

Tank Capacity

Fuel oil:	560 m3
Fresh water:	343 m3
Ballast water:	7410 m3
Endurance:	30 Days

Operation Conditions

Criteria	Wind	Hs	Current
Field transit:	20m/s	≤4m	
DP:	13.8m/s	1.5m	1.03 m/s
Jacking:	10.8m/s	2.5m	1.03 m/s
Water depth:	60m		

Control Systems

DP System:	Kongsberg K-POS 11
Navigation and communication systems, according to IMO requirements.	

Accommodation and Facilities

Configuration:	Current	Northern Europe
1 Man cabins:	12 Cabins	8 Cabins
2 Men cabins:	10 Cabins	36 Cabins
2 Men in TLQs:	-	56 cabins
4 Men cabins:	12 Cabins	-
4 Men in TLQs:	56 cabins	-
Total POB:	304 POB	192 POB

Facilities

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