

# HEA

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# Bismarck



# HEA Bismarck

A highly versatile Jack up Barge designed to support a wide range of offshore operations in support of both oil & gas and wind energy, including construction, maintenance, well service, and accommodation work scopes.

With a robust structure, spacious deck layout, high POB capability and adaptable configuration, she is well-suited for both shallow and mid-depth marine environments.

## General Information

<b>Type:</b>	Self-Elevating Jack up Barge
<b>Design:</b>	WMMP
<b>Built:</b>	2027
<b>Builder:</b>	CSSC-WMMP, China
<b>Class &amp; Notations:</b>	ABS A1, Accommodation Services, Self-Elevating Unit, ©*, AMS, ACCU, DPS-2, SMART (INF, MHM Tier2, SHM Tier2), CPS, CR, CRC (OC-PL), ENVIRO-OS, HELIDK, BWT, UWILD
<b>Flag:</b>	Panama
<b>IMO:</b>	1153567

## Principle Dimensions

<b>Length overall LOA:</b>	96.8m
<b>Hull length:</b>	78.0m
<b>Hull breadth:</b>	43.2m
<b>Total beam (BOA):</b>	43.2m
<b>Hull depth:</b>	6.5m
<b>Draft:</b>	3.65m
<b>Variable load:</b>	2200t
<b>Load capacity:</b>	7.5t/m2
<b>Main deck area:</b>	1600 m2

## Helideck

<b>Type/ Diameter:</b>	Aluminum / 22.2m
<b>Capacity:</b>	12.6 Tons
<b>Helicopter type:</b>	Sikorsky S61N-S92N / CAP 437

## Legs and Spud cans

<b>Number/Type:</b>	4 / Lattice
<b>Leg length:</b>	118m
<b>Spud can type:</b>	Octagon
<b>Spud can dimension:</b>	10.3m x 9.64m x 2.1m
<b>Spud can bearing area:</b>	92 m2
<b>Spud can bearing pressure:</b>	48 t/m2

## Jacking System

<b>Type:</b>	Electric rack and Pinion
<b>Maker:</b>	WMMP
<b>Pinion per leg:</b>	24/leg (Total 96)
<b>Elevating speed:</b>	0.8m/min - 1.0m/min
<b>Normal jacking:</b>	3600t/leg - 150t/pinion
<b>Pre-load jacking:</b>	5280t/leg - 220t/pinion
<b>Max normal holding:</b>	5280t/leg - 220t/pinion
<b>Storm holding:</b>	8640t/leg - 360t/pinion

## Generators and Machinery

<b>Main generator:</b>	6 x CAT 3512C 1300kW @ 1500 rpm
<b>Emergency generator:</b>	1 x 300 kW @ 1500 rpm
<b>Water maker:</b>	2 x 80 m3/day
<b>STP:</b>	400 POB

## Cranes

### Main crane

<b>Maker:</b>	WMMP
<b>Type:</b>	Leg encircling crane
<b>Boom length:</b>	63m
<b>Capacities:</b>	300t @ 14-15m, 30t @ 60m Aux; 50t@ 16.6-40m, 10t@ 67.7m
<b>Hooks above main deck:</b>	Main hook: 63m Aux hook: approx. 71m

### Auxiliary crane

<b>Maker:</b>	WMMP
<b>Type:</b>	Pedestal offshore crane at SB
<b>Capacity:</b>	50t @ 6m-10m, 12t @ 35m

## Safety Systems

<b>Lifeboats:</b>	3 x 150 POB
<b>Life rafts:</b>	12 x 25 Men
<b>MOB/Fast rescue craft:</b>	1 x 6 POB

## Propulsion

<b>AFT thrusters:</b>	2 x 2000kW WMMP (FPP)
<b>FWD thrusters:</b>	2 x 1200Kw Kawasaki (CPP)
<b>Service speed:</b>	6 knots

## Tank Capacity

<b>Fuel oil:</b>	590 m3
<b>Fresh water:</b>	458 m3
<b>Ballast water:</b>	2134 m3
<b>Brine water:</b>	347 m3
<b>Endurance:</b>	60 Days

## Operation Conditions

Criteria	Wind	Hs	Current
<b>Field transit:</b>	10.3 m/s	2m	-
<b>DP</b>	10.3 m/s	2m	1.03m/s
<b>Jacking:</b>	10.3m/s	2m	1.03m/s
<b>Water depth:</b>	75m		

## Accommodation and Facilities

Configuration:	Current	Northern Europe
<b>1 Man cabins:</b>	14 Cabins	14 Cabins
<b>2 Men cabins:</b>	42 Cabins	103 Cabins
<b>2 Men in TLQs:</b>	-	-
<b>4 Men cabins:</b>	61 Cabins	-
<b>4 Men in TLQs:</b>	-	-
<b>Total POB:</b>	300 POB	220 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.