

HEA Al Waha

Delivered in 2027, HEA Al Waha is an offshore support vessel designed to support a wide range of offshore oil & gas operations, including construction, maintenance, and well services.

Equipped with a DP2 dynamic positioning system, the vessel offers enhanced station-keeping capability, operational flexibility, and safety.

Combined with its robust structure, spacious deck layout, and adaptable configuration, it is well-suited for both shallow and mid-depth marine environments.

General Information

Type:	Self-Elevating Jack up Barge
Design:	WMMP
Built:	2027
Builder:	CSSC-WMMP, China
Class & Notations:	ABS A1, Accommodation Services, Self-Elevating Unit, ©*, AMS, CPS-B, CR, CRC(OC-PL), ENVIRO-OS, HELIDK, RRDA, UWILD, DPS-2
Flag:	Panama
IMO:	1169475

Principle Dimensions

Length overall LOA:	88.2m
Hull length:	64.2m
Hull breadth:	35.4m
Total beam (BOA):	35.4m
Hull depth:	5.6m
Draft:	3.25m
Variable load:	1000t
Load capacity:	5t/m2
Main deck area:	1000 m2

Helideck

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

Legs and Spud cans

Number/Type:	4 / Cylindrical
Leg length:	90m
Spud can type:	Square
Spud can dimension:	7.0 x 6.8 x 1.5 m
Spud can bearing area:	47.6 m2
Spud can bearing pressure:	45 t/m2

Jacking System

Type:	Electric rack and Pinion
Maker:	WMMP
Pinion per leg:	12/leg (Total 48)
Elevating speed:	0.6m/min - 1.0m/min
Normal jacking:	1320t/leg - 110t/pinion
Pre-load jacking:	1950t/leg - 165t/pinion
Max normal holding:	1950t/leg - 165t/pinion
Storm holding:	2640t/leg - 220t/pinion

Generators and Machinery

Main generator:	4 x Cummins CCF1200Z-WHT 1200kW @ 1500 rpm
Emergency generator:	1 x Cummins 250 kW @ 1500 rpm
Water maker:	1 x 50m3/day
STP:	250 POB

Control Systems

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

Cranes

Main crane

Maker/ Model:	WMMP CCOC2000-100-40-EH
Type:	Leg encircling crane
Boom length:	44.19m
Capacities:	100t @ 9.5m-25m, 40t @ 40m Aux 20t @ 43m
Hooks above main deck:	Main hook: 49m Aux hook: approx. 50m

Auxiliary crane

Maker/ Model:	WMMP SOC500-15-30-EH
Type:	Pedestal offshore crane at SB
Capacity:	15t @ 5m-25m, 11t @ 30m

Safety Systems

Lifeboats:	4 x 100 POB
Life rafts:	8 x 25 Men
MOB/Fast rescue craft:	1 x 6 POB
FIFI system	
Fire pumps:	1 x 450 m3/hr
Fire monitors:	2 x 455 m3/hr

Propulsion:

AFT thrusters:	2 x 1300kW NGC-NRP180 (FPP)
FWD thrusters:	2 x 700kW NGC-NCT130 (CPP)
Retractable thrusters:	2 x 700kW
Service speed:	6.5 knots

Tank Capacity

Fuel oil:	391.4 m3
Fresh water:	229.2 m3
Ballast water:	1088 m3
Brine water:	432.2 m3
Endurance:	60 Days

Operation Conditions

Criteria	Wind	Hs	Current
Field transit:	10.3 m/s	2m	-
DP:	37 m/s	1.5m	0.73m/s
Jacking:	10.3 m/s	2m	1.03m/s
Water depth:	60m		

Accommodation and Facilities

Configuration:	Current
1 Man cabins:	12 Cabins
2 Men cabins:	2 Cabins
2 Men in TLQs:	-
4 Men cabins:	46 Cabins
4 Men in TLQs:	-
Total POB:	200 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, and Starlink VSAT.