

HEA

Kraken



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Delivered in 2009, HEA Kraken has worked on a range of wind energy projects supporting offshore substation commissioning, and turbine maintenance work. HEA Kraken is also designed to work in the oil & gas sector and has supported platform maintenance work. HEA Kraken is a modern, flexible and efficient vessel equipped with a 230T crane.

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:	9522207

Principle Dimensions

Length overall LOA:	80m
Hull length:	61m
Hull breadth:	36m
Total beam (BOA):	36m
Hull depth:	6m
Draft:	3.75m-6.77m incl. thrusters
Variable load:	1590t
Load capacity:	5t/m2
Main deck area:	1000 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:	99.88 - 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:	1620t/leg - 90t/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:	280 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:	Huisman 300mt PMOC
Type:	Pedestal mounted crane at stern
Boom length:	67.6m
Capacities:	230t @ 9m-17.5m, 36t @ 64.8m, Aux; 45t @ 10.3m-54.6, 28t @ 69.8m
Hooks above main deck:	Main hook: 68m Aux hook: 74.5m

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

Lifeboats:	2 x 150 POB
Life rafts:	12 x 25 Men
MOB/Fast rescue craft:	1 x 6 POB
FIFI system	
Fire pumps:	2 x 180 m3/hr
Fire monitors:	2 x 350 m3/hr

Tank Capacity

Fuel oil:	423.4 m3
Fresh water:	486.9 m3
Ballast water:	992.7 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
Position reference:	2 x DGPS, Radius, Fan beam
Navigation and communication systems, according to IMO requirements.	

Accommodation and Facilities

Configuration:	Current	Northern Europe
1 Man cabins:	4 Cabins	4 Cabins
2 Men cabins:	11 Cabins	46 Cabins
2 Men in TLQs:	-	24 Cabins
4 Men cabins:	35 Cabins	-
4 Men in TLQs:	24 Cabins	-
Total POB:	262 POB	144 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, Startlink VSAT and DP-PRS