

# MIST

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## High Specification Jackup

### General Description

<b>Design / Generation</b> .....	Keppel FELS Super B Bigfoot Class
<b>Constructing Shipyard</b> .....	Keppel FELS Shipyard
<b>Year Entered Service / Significant Upgrades</b> .....	2013
<b>Classification</b> .....	ABS, A1 Self-elevating Drilling Unit, CDS
<b>Flag</b> .....	Vanuatu
<b>Overall Dimensions</b> .....	246ft. long x 226ft. wide x 25ft. deep
<b>Legs</b> .....	3 x 486ft. long, triangle
<b>Drafts</b> .....	18ft. load line draft(Max)
<b>Accommodation</b> .....	150 persons
<b>Displacement</b> .....	31,352kips operating
<b>Variable Deck</b> .....	9,200kips operating / 5,500kips transit
<b>Operating Water Depth</b> .....	350ft. designed / 350ft. outfitted
<b>Maximum Drilling Depth</b> .....	35,000ft

### Drilling Equipment

<b>Derrick</b>	Single NOV 1500k, 170ft. high with 36ft. x 36ft. base
<b>Hookload Capacity</b>	1,500,000lbs. static hook load capacity
<b>Cantilever</b>	75ft. reach, aft of transom 15ft. port / 15ftstbd of rig centerline.
<b>Drawworks</b>	NOV SSGD 750, 3 x Baylor AC electric motors;1,500hp, and 1-3/4" drilling line
<b>Rotary Table</b>	NOV 49-1/2" RST495-3G hydraulic rated at 1,000st
<b>Top Drive</b>	NOV TDS-8SA, 750ton hoisting capacity, with a 1,150hp AC motor, rated to 62,500ft-lbs. continuous drilling torque;Maximum speed of 270rpm and an intermittent torque of 95,000ft-lbs
<b>Tubular Handling</b>	2 x Hawkjaws Jnr (online and offline). Integrated make-up/ break-out tool for drill pipe and associated tubulars. Torque: 60,000 ft-lbs. size range: 3-1/2" to 8"OD
<b>Mud Pumps</b>	3 x NOV 14-P-220 rated to 2,200 hp triplex pumps, each driven by 2 x Baylor AC traction motors
<b>HP Mud System</b>	Rated for 7,500psi
<b>Solids Control</b>	4 x Derrick shale shakers Dual POOL626

### Power & Machinery

<b>Main Power</b>	5 x Caterpillar C175 diesel engines rated at 2,250kW, each driving 1 x AC generator (each 2,250kVA, 690V, 3 phase, 60Hz)
<b>Emergency Power</b>	1 x Caterpillar 3516B diesel engine rated 2,250kW, driving 1 x AC generator (each 2,250 kVA, 690V, 3-phase, 60Hz).
<b>Power Distribution</b>	NOV/ABB VFD system

### Storage Capacities

<b>Fuel Oil</b> .....	3,900 bbls
<b>Liquid Mud</b> .....	4,063 bbls
<b>Base Oil</b> .....	2,000 bbls
<b>Brine</b> .....	2,100 bbls
<b>Drill Water</b> .....	6,500 bbls
<b>Potable Water</b> .....	2,000 bbls
<b>Bulk Material</b> .....	(mud + cement) 16,000 cu.ft
<b>Sack Storage</b> .....	4,140 sacks

### BOP & Well Control Equipment

<b>BOP Ram</b>	2 x Cameron 13-5/8" 10,000psi flanged Double "U" type preventers (1 x 4-ram stack).
<b>BOP Annulars</b>	1 x Hydril GX 13-5/8" 5,000psi annular preventer.
<b>BOP Handling</b>	4 x J.D. Neuhaus BOP handling hoists, each rated to 50MT
<b>Diverter</b>	Cameron diverter 49-1/2 inch rated at 500 psi with 14" flow line.

### Mooring Equipment

<b>Mooring Winches</b>	4 x BROHL electric with a capacity of 2,500ft of 1-1/2" wire rope. 30st pull capacity, and 60kN brake holding capacity (first layer).
<b>Anchor Lines</b>	4 x 1-1/2" IWRC 6 x 36 galvanized wire rope.
<b>Anchors</b>	4 x Delta Flipper anchors rated at 5st.

### Cranes

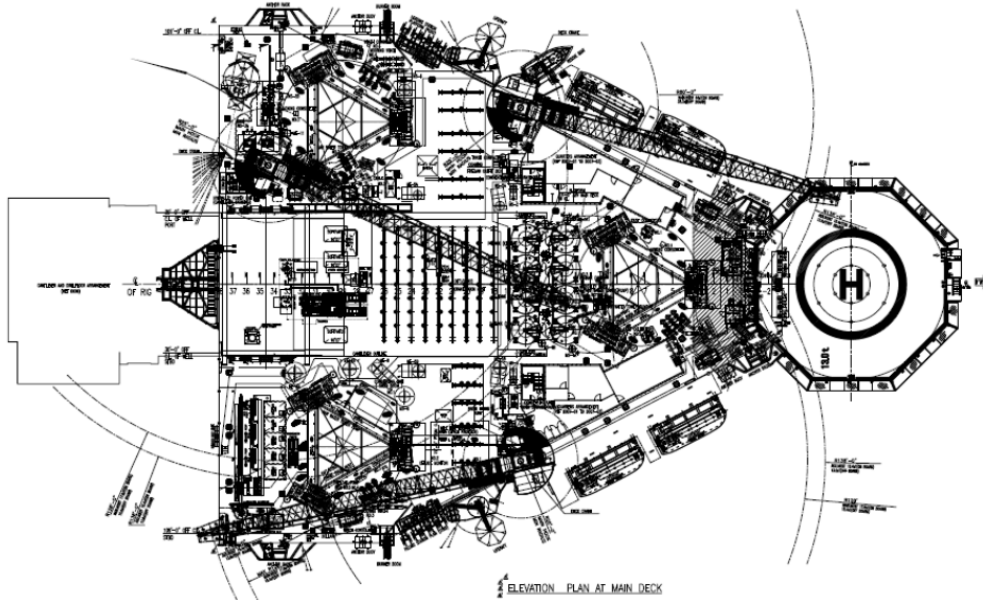
<b>Deck Cranes</b>	3 x Seatrax 7220HD cranes rated at 50st at a radius of 50ft. with 130ft booms. Located port forward, port aft and starboard forward.
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### Special Features & Other Information

<b>Helideck</b>	Rated for Sikorsky S-92 and M-17 helicopters
<b>WO Act. Crane</b>	FORUM offline activity bridge crane rated for 22,000 lbs. SWL for 3-1/2" to 13-3/8" tubulars.
<b>Cellar Deck Crane</b>	2 x FORUM Multi-Purpose Cranes rated 15,000lbs with 30ft boom
<b>Conductor Tens</b>	30" system rated to 600 kips vertical with hydraulic tensioning cylinders.
<b>RPD System</b>	Yes
<b>Jacking</b>	6 pinions per chord, 3 x chords per leg, 1,000kips per pinion, normal operation, allows for full preload jacking.
<b>Field Transit</b>	Capable of rig move with 660kips of setback in the derrick (460kips port and 200kips starboard). Capable of rig move (infield transit) with 2,000kips of mud.



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Borr Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.



**MAIN PARTICULARS:**

- VESSEL LENGTH = 246 FT
- VESSEL WIDTH = 226 FT
- VESSEL DEPTH AT SIDE = 25 FT
- COMPLEMENT = 150 MEN
- LEG LENGTH = 486 FT

