

MIST

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High Specification Jackup

General Description

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

Drilling Equipment

Derrick	Single NOV 1500k, 170ft. high with 36ft. x 36ft. base
Hookload Capacity	1,500,000lbs. static hook load capacity
Cantilever	75ft. reach, aft of transom 15ft. port / 15ftstbd of rig centerline.
Drawworks	NOV SSGD 750, 3 x Baylor AC electric motors;1,500hp, and 1-3/4" drilling line
Rotary Table	NOV 49-1/2" RST495-3G hydraulic rated at 1,000st
Top Drive	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
Tubular Handling	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
Mud Pumps	3 x NOV 14-P-220 rated to 2,200 hp triplex pumps, each driven by 2 x Baylor AC traction motors
HP Mud System	Rated for 7,500psi
Solids Control	4 x Derrick shale shakers Dual POOL626

Power & Machinery

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

Storage Capacities

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

BOP & Well Control Equipment

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

Mooring Equipment

Mooring Winches	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).
Anchor Lines	4 x 1-1/2" IWRC 6 x 36 galvanized wire rope.
Anchors	4 x Delta Flipper anchors rated at 5st.

Cranes

Deck Cranes	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

Helideck	Rated for Sikorsky S-92 and M-17 helicopters
WO Act. Crane	FORUM offline activity bridge crane rated for 22,000 lbs. SWL for 3-1/2" to 13-3/8" tubulars.
Cellar Deck Crane	2 x FORUM Multi-Purpose Cranes rated 15,000lbs with 30ft boom
Conductor Tens	30" system rated to 600 kips vertical with hydraulic tensioning cylinders.
RPD System	Yes
Jacking	6 pinions per chord, 3 x chords per leg, 1,000kips per pinion, normal operation, allows for full preload jacking.
Field Transit	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.

