

Vale

additional information please contact:

Borr Drilling Management DMCC
 Level 28 Reef Tower, Cluster O
 P.O. Box 36913
 Jumeirah Lakes Towers, Dubai United Arab Emirates
 +971-04-4487501
 marketing@borrdrilling.com - www.borrdrilling.com

High Specification Jackup

General Description

Design / Generation	Keppel FELS Super B 400 Bigfoot Class
Constructing Shipyard	Keppel FELS
Year Entered Service / Significant Upgrades	2020
Classification	ABS, A1 Self-elevating Drilling Unit, CDS
Flag	Vanuatu
Overall Dimensions	246ft. long x 226ft. wide x 27ft. deep
Legs	3 x 517ft. long, triangular truss
Drafts	19ft load line draft
Accommodation	150 persons
Displacement	43,900 kips at loadline
Variable Deck	9,700 kips elevated / 5,500 kips field transit
Operating Water Depth	400ft
Maximum Drilling Depth	35,000ft

Drilling Equipment

Derrick	Single NOV SSBN 1000, 170ft. high with 40ft. x 40ft. base.
Hookload Capacity	2,000,000lbs. static hook load capacity.
Cantilever	5ft.reach, aft of transom,15ft. port / 15ft.stbd.of Centerline.
Drawworks	NOV SSGD 1000, 4 x AC motors 1,500 hp each1.75" drilling line.
Rotary Table	NOV 49-1/2" RST 495-3G hydraulic and rated at 1,000st.
Top Drive	NOV TDX-1000 modular, 1000st hoisting capacity, with dual AC motors, rated to 91,000ft-lbs. continuous drilling torque.
Tubular Handling	HRIII Hydraracker, tubular range 3-1/2" to 14" Catwalk machine,14,000 lbs SWL capable of handling up to 30" casing.
Mud Pumps	3 x NOV 14-P-220 rated to 2,200hp triplex pumps, each driven by 2 x Baylor AC traction motors.
HP Mud System	Rated for 7,500 psi.
Solids Control	4 x VSM shale shakers.

Power & Machinery

Main Power	5 x Caterpillar C175 diesel engines rated at 1,930 kW, each driving 1 x AC generator (each 1,833 kW (2,291kVA), (2,291kVA),3-phase, 60Hz)
Emergency Power	1 x Caterpillar 3516B diesel engine rated 1889 kW, driving 1 x AC generator (1800kW (2,250kVA),480V,3-phase, 60Hz).
Power Distribution	ABB VFD system.

Storage Capacities

Fuel Oil	5,553 bbls
Liquid Mud	4,200 bbls
Base Oil	2,015 bbls
Brine	2,180 bbls
Drill Water	7,100 bbls
Potable Water	3,200 bbls
Bulk Material	(mud + cement) 16,000 cu.ft
Sack Storage	5,000 sacks

BOP & Well Control Equipment

BOP Rams	2 X NOV - Shaffer NXT 18 3/4" 15,000 psi flanged Double"U" type preventers.
BOP Annulars	1 x NOV Shaffer 18 3/4" 10,000 psi annular preventer.
BOP Handling	4 x J.D. Neuhaus BOP handling hoists, each rated to 65st.
Diverter	Drill Quip diverter 49-1/2" rated at 500 psi with 16" flow line.

Mooring Equipment

Mooring Winches	4 x BROHL electric with a capacity of 2,500ft of 1-3/4" wire rope. 30st pull capacity and 600 kN brake holding capacity (first layer).
Anchor Lines	4 x 1-3/4" IWRC 6 x 36 galvanized wire rope.
Anchors	4 x Delta Flipper anchors rated at 5 MT.

Cranes

Deck Cranes	3 x Seatrax S7224 cranes rated at 76st at a radius of 40ft 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 MI -17 helicopters
Work Offline (WO)	Ability to make-up and break-out drill pipe and casing offline. Casing racking capacity in derrick; 3,780ft of 13-3/8", 4,860ft of 9-5/8" or 5,940ft of 7".
Cellar Deck Crane	2 x FORUM Multi-Purpose Cranes rated 7.5st with 30ft boom.
Conductor Tens	30" system rated to 600 kips & under drillfloor system 300kips vertical hydraulic tensioning cylinders.
RPD System	Yes
Jacking	6 pinions per chord, 3 x chords per leg,1,000kips per pinion normal operation,1,300kips per pinion for full preload jacking.
Field Transit	Capable of rig move with 660kips of setback in the derrick. Capable of rig move (infield transit) with 2,000 bbls of mud in mud pits.



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.

