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 Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.

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General Description

Design / Generation: Samsung 12000
Constructing Shipyard: Samsung Heavy Industries, South Korea
Year Entered Service / Significant Upgrades: 2013
Classification: DNV +1A1 Ship Shaped Drilling Unit BIS
Flag: Marshall Islands
Dimensions: 748 ft x 137.8 ft beam x 62.3 ft depth
Drifts: 37.7 ft operating / 37.7 ft survival / 27.9 ft transit
Accommodation: 215 persons
Displacement: 96,000 mt operating / 66,500 mt transit
Variable Deck: 20,000 mt operating / 20,000 mt survival / 16,500 mt transit
Transit Speed: up to 12 knots
Maximum Water Depth: 12,000 ft designed / 10,000 ft outfitted
Maximum Drilling Depth: 40,000 ft

Drilling Equipment

Derrick: Dual derrick (Main) NOV Type DDBN-1250 (Aux) NOV Type DDBN-1 000
Hookload Capacity: (Main) 1,250 st. 16 lines. (Aux) 1,000 st. 14 lines
Drawworks: (Main) NOV SSGD-1250-6900hp (Aux) NOV SSGD-1000-5750hp
Compensator: (Main) NOV CMC-E, 1250 st. (Aux) NOV CMC, 1000 st
Rotary Table: (Main) NOV RST 755 hydraulic driven 75 ½” (Aux) NOV RST 605-F 60 ½”
Top Drive: 2 x NOV TDX-1250, 1250 st
Tubular Handling: 2 x NOV Hydraracker IV pipe handlers, 2x NOV Multi Purpose Tong (MPT 200) Iron Roughnecks with TF-975 tool frame, Fwd and aft catwalk machines
Mud Pumps: 5 x HP mud pumps NOV-14P-220, 2200hp, 7500psi
Solids Control: 6 x VSM 300 shale shakers

Power & Machinery

Main Power: 6x Wartsila 16/32 LowNox, 7290 kW each total 43,740 kW
Emergency Power: 1x STX Cummins / QSK60DMGE 2547 HP diesel engine driving 1 x Newage / PM734E1 generator

Storage Capacities

Fuel Oil: 53,770 bbl
Liquid Mud: 6,430 bbl active / 9,440 bbl reserve
Base Oil: 4,680 bbl
Brine: 4,710 bbl
Drill Water: 15,200 bbl
Potable Water: 8,120 bbl
Bulk Material: (mud + cement) 31,920 cu. ft.
Sack Storage: 8 x 19 x 4 m

BOP & Subsea Equipment

BOP: NOVShaffer 7 ram 18½” NXT BOP. 15,000psi
Wellhead Connector: Vetco Super HD H4 DWD type
Annualars: 2 x NOV Shaffer 10,000psi
Marine Riser: NOVShaffer FT-HB 21” OD Flanged. With 4 ½” ID K/C lines, 4” ID booster line and 2ea conduit lines
Tensioners: 8 x dual (16ea) NOV / Dual WRTs, 102 mt / 1,632 mt (3,600 kips)
Diverter: NOV Shaffer 21-500-75 EXT
BOP Control: NOV 112-Line 5th Generation MUX Pod
Moonpool: 25.6 m x 12.48 m

Station Keeping / Propulsion System

Thrusters: 6 x Rolls Royce UUC 455 azimuth thrusters
DP System: DP Class 3 Kongsberg / ICMS / K-POS

Cranes

Crimes: (Fwd) 2 x Knuckle Boom Crane 85mt, type OC3932KE
(Aft) 2 x NOV. Knuckle Boom Crane 100mt, type OC4000KE

Other Information

Helideck: D 22.2m, 12.8mt load capacity, rated for Sikorsky S-92 helicopters