OCEAN RIG ATHENA

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP

GENERAL DESCRIPTION

Design / Generation	Samsung 12000
Constructing Shipyard	Samsung Heavy Industries, South Korea
Year Entered Service / Significant Upgrades	2015
Classification	ABS +A1 Drillship E-circle, +AMS +CDS +ACCU, +DPS-3 (RRDA, UWILD, OHCM, CRC, BWT, ENVIRO-OS, RW, DLA, GP)
Flag	Marshall Islands
Dimensions	748 ft. (228 m) x 137.8 ft. (42 m) beam x 62.3 ft. (19 m) depth
Drafts	37.7 ft. (11.5 m) operating / 37.7 ft. survival / 27.9 ft. (8.5 m) transit
Accommodation	215 persons
Displacement	105,822 st. (96,000 mt) operating / 73,303 st. (66,500 mt) transit
Variable Deck	22,046 st. (20,000 mt) operating / 18,188 st. (16,500 mt) transit
Transit Speed	up to 12 knots
Maximum Water Depth	12,000 ft. (3,658 m) designed / 11,000 ft. (3,352 m) outfitted
Maximum Drilling Depth	40,000 ft. (12,192 m)



DRILLING EQUIPMENT

Derrick	Dual derrick 210 ft. (64 m) (Main) NOV Type DDBN-1250 (Aux) NOV Type DDBN-1000
Hook Load Capacity	(Main) 1,250 st. (1,134 mt) capacity, (Aux) 1,000 st. (907 mt) capacity
Drawworks	(Main) NOV SSGD-1250, 6,900 hp, (Aux) NOV SSGD-1000, 5,750 hp
Compensator	(Main) NOV CMC-E 1,250 st. (1,134 mt) / 766 st. (695 mt), (Aux) NOV CMC, 1,000 st. (907 mt) / 500 st. (454 mt)
Rotary Table	(Main) NOV RST-755 75-1/2" hydraulic driven at 1,375 st. (1,247 mt); 45,000 ft.-lbs. maximum generated torque, (Aux) NOV RST 605 60-1/2" false rotary table rated at 1,000 st. (907 mt)
Top Drive	2 x NOV TDX-1250, rated to 1,250 st. (1,134 mt)
Tubular Handling	2 x NOV Hydraracker IV pipe handlers, 2 x NOV Multi Purpose Tong (MPT 200) Iron Roughnecks with TF-975 tool frame, fwd and aft catwalk machines
Mud Pumps	5 x HP triplex mud pumps NOV-14P-220, 2,200 hp, 7,500 psi
Solids Control	6 x VSM 300 shale shakers

CRANES

Cranes	(Fwd) 2 x knuckle boom crane 94 st. (85 mt), type OC3932KE, (Aft) 2 x NOV knuckle boom crane 110 st. (100 mt), type OC4000KE

POWER AND MACHINERY

Main Power	6 x Wartsila 16/32 LowNox, 7,290 kW each total 43,740 kW, 6 x ABB AMG 900 LSE, 7,000 kW each, total 42,000 kW
Emergency Power	1 x STX Cummins / QSK60DMGE 2,547 hp diesel engine driving 1 x Newage / PM734E1 generator

STORAGE CAPACITIES

Fuel Oil	53,770 bbl (8,549 m3)
Liquid Mud	6,430 bbl (1,022 m3) active / 9,440 bbl (1,500 m3) reserve
Base Oil	4,680 bbl (744 m3)
Brine	4,710 bbl (749 m3)
Drill Water	15,200 bbl (2,417 m3)
Potable Water	8,120 bbl (1,291 m3)
Bulk Material	(mud + cement) 31,920 cu. ft. (904 m3)
Sack Storage	26.25 ft. (8 m) x 62.3 ft. (19 m) x 13 ft. (4 m)

BOP AND SUBSEA EQUIPMENT

BOP	NOV Shaffer 7 ram 18-3/4" NXT BOP, 15,000 psi
Wellhead Connector	Vetco Super HD H4 DWD type
Annulars	2 x NOV Shaffer 10,000 psi
Marine Riser	NOV FT-HB 21" OD flanged with 4-1/2" ID K/C lines, 4" ID booster line and 2ea conduit lines
Tensioners	8 x dual (16ea) NOV / Dual WRTs, 112.4 st. (102 mt) / 1,799 st. (1,632 mt)
Diverter	NOV Shaffer 21-500-75 EXT
BOP Control	NOV 112-Line 5th generation MUX Pod
Moonpool	84 ft. (25.6 m) x 41 ft. (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

OTHER INFORMATION

Helideck	D 72.8 ft. (22.2 m), 14 st. (12.8 mt) load capacity, rated for Sikorsky S-92 helicopters

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. See https://www.deepwater.com/patents for details.

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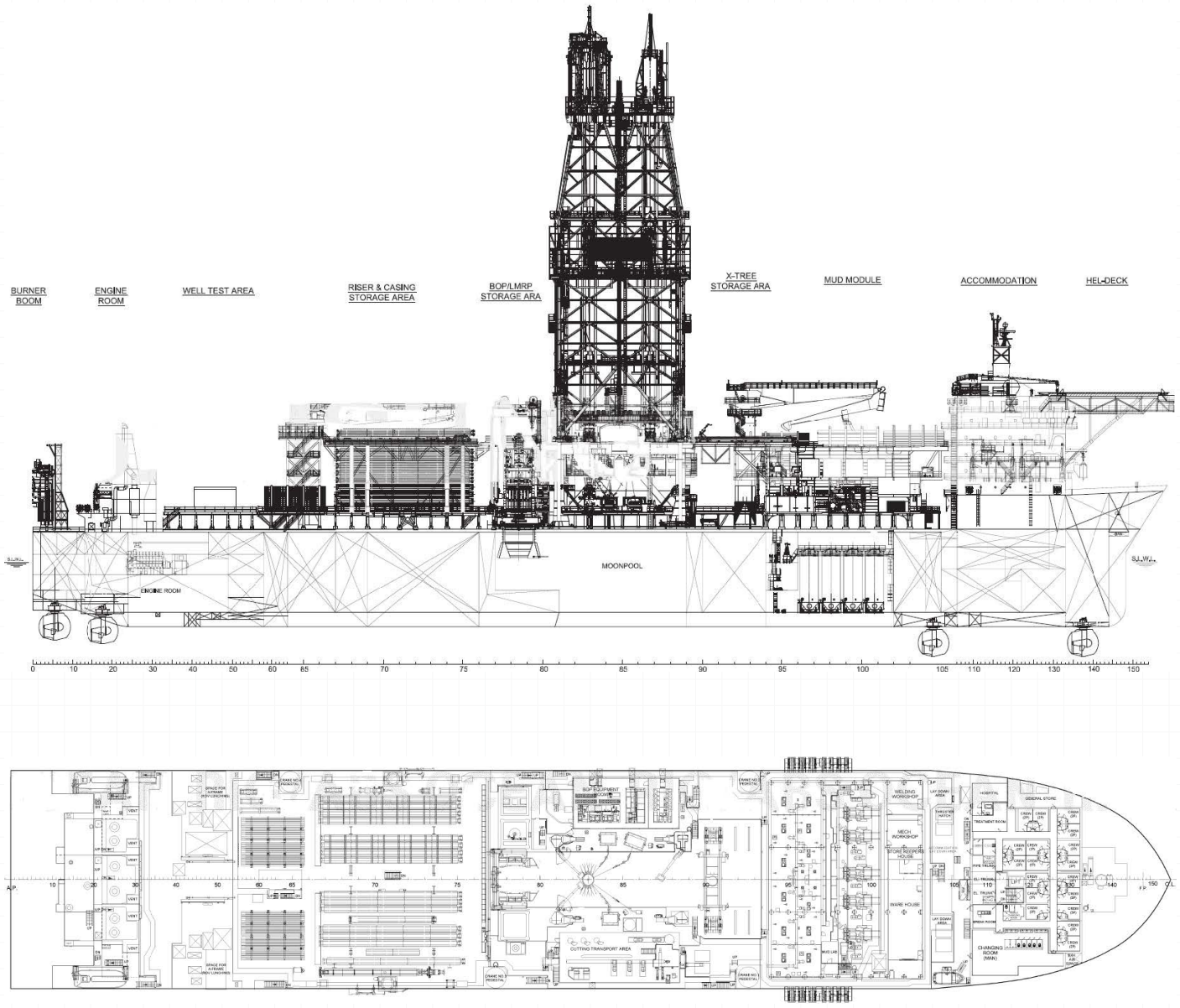
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Current as of: 08/28/2023

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