DHIRUBHAI DEEPWATER KG2

ULTRA-DEEPWATER DRILLSHIP

GENERAL DESCRIPTION

Design / Generation	Samsung 12000 double hull 6th generation DP Drillship
Constructing Shipyard	Samsung Heavy Industries Geoje, South Korea
Year Entered Service / Significant Upgrades	2010
Classification	ABS+A1E, AMS, ACCU, DPS-3, NBLES, SH-DLA
Flag	Marshall Islands
Dimensions	748 ft. (228 m) long x 137 ft. (42 m) wide x 62 ft. (19 m) deep
Drafts	39 ft. (12 m) operating / 28 ft. (8.5 m) transit
Accommodation	180 persons
Displacement	105,822 st. (96,000 mt) operating
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 / 12,000 ft. (3,658 m) outfitted
Maximum Drilling Depth	35,000 ft. (10,668 m)



DRILLING EQUIPMENT

Derrick	NOV Dual Dynamic 200 ft. (61 m) high x 60 ft. (18.3 m) wide x 80 ft. (24.4 m) length base
Hook Load Capacity	1,000 st. (907 mt) capacity
Drawworks	NOV SSGD 1000-5750 5,750 hp driven by Baylor CM 628 motors rated at 1,150 hp each with a maximum pull of 1,000 st. (907 mt) with 14" lines
Compensator	NOV Shaffer CMC/1000/2000-25 active heave compensation with a 25 ft. (7.6 m) stroke and a 1,000 st. (907 mt) static load
Rotary Table	1 x Varco BJ RST 60-1/2" hydraulic with a static load rating of 1,000 st. (907 mt) and 45,000 ft.-lbs. of continuous torque
Top Drive	NOV HPS 100002E-AC-KT top drive rated to 1,000 st. (907 mt) driven by 2 x GE AC motors rated at 1,150 hp and a maximum continuous torque rating of 78,450 ft.-lbs.
Tubular Handling	Hydratong MPT TE-1190 Iron Roughneck, 2 x Hydrarackers model HR IV, capable of handling stands of tubulars from 3-1/2" to 13-5/8" and singles from 3-1/2" to 20"
Riser Feed	NOV RS45-90HS riser handling machine for handling 90 ft. (27.4 m) joints of riser complete with tailing arm
Mud Pumps	4 x National Model 14-P-220 triplex pumps each driven by 2 x NOV AC traction motors rated to 1,350 hp each
HP Mud System	Rated for 7,500 psi
Solids Control	6 x Axiom AX-1 shale shakers

CRANES

Cranes	4 x National Oilwell Varco cranes with 140 ft. (42.7 m) booms rated at 93.7 st. (85 mt) at 59 ft. (18 m) radius

POWER AND MACHINERY

Main Power	6 x Wartsila W16V32 diesel engines rated at 7,200 kW each driving 1 x ABB/ AMG 7,290 kW generator
Emergency Power	1 x STX Cummins Marine diesel engine rated to 1,900 kW driving 1 x Stamford PM734E1 1,350 kW at 1,800 rpm generator
Power Distribution	ABB generator protection

STORAGE CAPACITIES

Fuel Oil	47,174 bbl (7,500 m3)
Liquid Mud	6,541 bbl (1,040 m3) active / 6,541 bbl (1,040 m3) reserve
Base Oil	5,912 bbl (940 m3)
Brine	5,912 bbl (940 m3)
Drill Water	18,052 bbl (2,870 m3)
Potable Water	8,806 bbl (1,400 m3)
Bulk Material	(mud + cement) 31,384 cu. ft. (889 m3)
Sack Storage	10,000 sacks

BOP AND SUBSEA EQUIPMENT

BOP Rams	2 x Shaffer NXT 18-3/4" 15,000 psi triple ram preventers (6 x rams total)
BOP Annulars	2 x Shaffer 18-3/4" 10,000 psi annular preventers
BOP Handling	1 x NOV BOP Trolley rated at 463 st. (420 mt) and 1 x NOV BOP gantry crane with dual lifting hoists
Marine Riser	Shaffer class H FT-H 21" marine riser with a length of 90 ft. (27.4 m) and 15,000 psi 4-1/2" choke and kill lines
Tensioners	16 x NOV Hydralift 100 st. (90.7 mt) rated with a maximum stroke of 12.5 ft. (3.8 m), wireline travel of 50 ft. (15.2 m)
Diverter	Shaffer CSO diverter with 21-1/4" bore and rated to 500 psi with 18" flow lines
Tree Handling	2 x Xmas tree trolley rated at 132 st. (120 mt)
Moonpool	84 ft. (25.6 m) length x 41 ft. (12.5 m) width

STATION KEEPING / PROPULSION SYSTEM

Thrusters	6 x Rolls Royce Aquamaster thrusters fixed pitch azimuthing and removable in water
DP System	Kongsberg-Simrad system for DP-3 operations, DGPS Seatex DPS-132 / DPS-200 / Veripos / Dual HiPAP

OTHER INFORMATION

Helideck	Rated for Chinook BV 234 helicopters, 89 ft. (27 m) diameter
Other	ODS Riser Hang Off system (trip saver) with riser hang off joint and riser gimbal adaptor, designed to handle 1,000 st. (907 mt) load. Permits riser and BOP hang off in the moon pool with the ability to skid the BOP and riser to the forward end of the moon pool allowing main well operations while the BOP is suspended
	Offline drill pipe, BHA, and casing stand building capacity up to 13-5/8" OD casing using 92 ft. (28 m) mouse hole capable of handling 3-1/2" to 20" tubulars

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.

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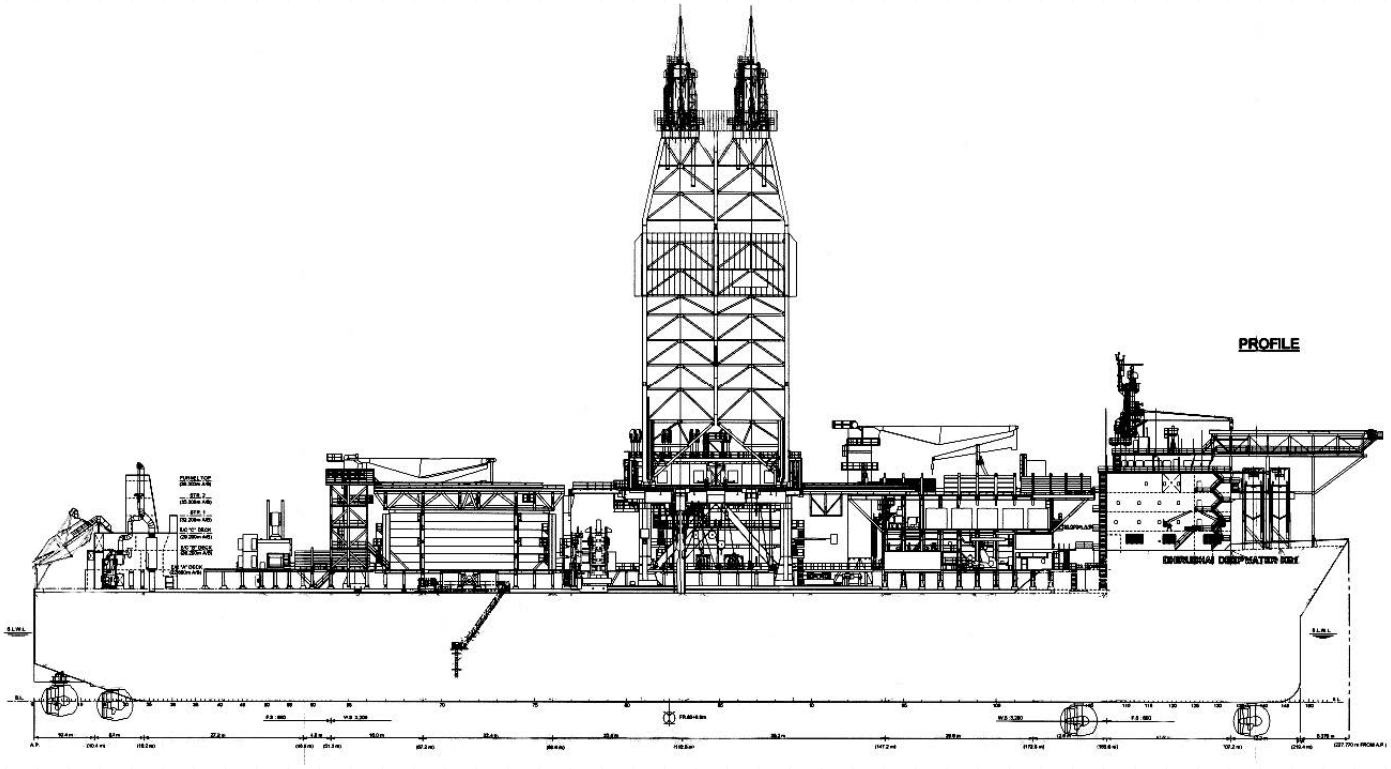
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Current as of: 07/14/2022

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