DHIRUBHAI DEEPWATER KG1

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	2009
Classification	ABS, A1E, AMS, ACCU, DLA<DPS-3, NBLES, CDS
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 / 10,000 ft. (3,048 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	1 x NOV SSGD-5750 1,000 st. (907 mt) single speed driven by 1 x 1,150 hp AC motors with 2" drill line
Compensator	NOV CMC-1000-25 with 25 ft. (7.6 m) maximum stroke with a static load of 1,000 st. (907 mt) (locked) and a compensated load of 500 st. (454 mt) active heave compensation
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 TF-975 Iron Roughneck w/ TE-1190, 9-3/4" OD max – 3-1/2" OD min, 101,000 ft.-lbs. max torque, 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 riser handling maching for handling 90 ft. (27.4 m) joints of riser complete with tailing arm
Mud Pumps	4 x National Oilwell Model 14-P-220 rated at 2,220 hp triplex pumps driven by 2 x GE 1,100 hp AC traction motors
HP Mud System	Rated for 7,500 psi
Solids Control	4 x Axiom AX-110 linear shale shakers, 2 x NOV Brandt HMA-30RG mud agitators

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 MAN B&W 16V32/40 diesel engines rated at 8,000 kW, 720 rpm, each driving 1 x ABB/AMG generators
Emergency Power	1 x Cummins Marine QSK60DMGE 1,350 kW 1,800 rpm diesel engine driving 1 x Stamford PM734E1 1,350 kW generator
Power Distribution	ABB switchboards with 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	Converted to Brine Tank
Brine	6,300 bbl (1,002 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	T2 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	NOV BOP Gantry crane rated at 220 st. (200 mt) capacity and NOV BOP trolley rated at 463 st. (420 mt)
Marine Riser	Shaffer class H FT-H type 21" OD, 90 ft. (27.4 m) length with 4-1/2" 15,000 psi 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 NOV 21-1/4" 500 psi with 18" flow lines
Tree Handling	1 x 132 st. (120 mt) Xmas tree trolley with Xmas tree skid carts
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 with ABB Sami Megastar 5,000 kW AC drives rated azimuthing fixed pitch
DP System	Kongsberg-Simrad system for SDP-32 operations

OTHER INFORMATION

Helideck	Rated for Chinook helicopters, 88 ft. (26.8 m) diameter

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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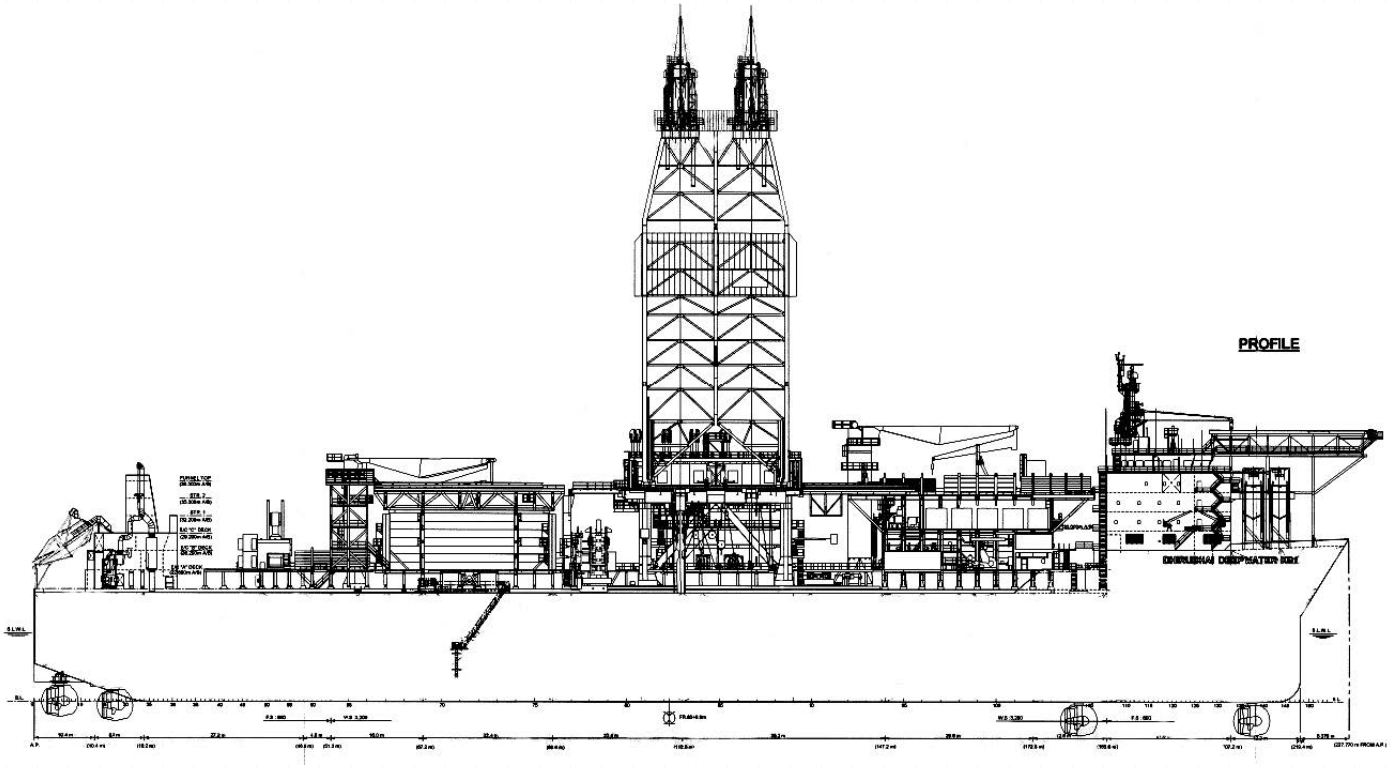
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Current as of: 07/14/2022

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