

# DHIRUBHAI DEEPWATER KG1

ULTRA-DEEPWATER DRILLSHIP



**For additional information please contact:**

Transocean  
Marketing Department  
4 Greenway Plaza  
Houston, TX 77046, USA  
Phone: + 1-713-232-7500  
Fax: + 1-713-232-7880  
[marketing@deepwater.com](mailto:marketing@deepwater.com)  
[www.deepwater.com](http://www.deepwater.com)

## General Description

<b>Design / Generation</b>	Samsung 12000 double hull 6th generation DP Drillship
<b>Constructing Shipyard</b>	Samsung Heavy Industries Geojje, South Korea
<b>Year Entered Service / Significant Upgrades</b>	2009
<b>Classification</b>	ABS, A1E, AMS, ACCU, DLA< DPS-3, NBLES, CDS
<b>Flag</b>	Marshall Islands
<b>Dimensions</b>	748 ft. long x 137 ft. wide x 62 ft. deep
<b>Drafts</b>	39 ft. operating / 28 ft. transit
<b>Accommodation</b>	180 persons
<b>Displacement</b>	96,000 mt operating
<b>Variable Deck</b>	22,046 st operating / 18,188 st transit
<b>Transit Speed</b>	up to 12 knots
<b>Maximum Water Depth</b>	12,000 ft. designed / 10,000 ft. outfitted
<b>Maximum Drilling Depth</b>	35,000 ft

## Drilling Equipment

<b>Derrick</b>	NOV Dual Dynamic 200 ft. high x 60 ft. wide x 80 ft. length base
<b>Hookload Capacity</b>	2,000,000 lbs. static load capacity
<b>Drawworks</b>	1 x NOV SSGD-5750 2,000 kips single speed driven by 1 x 1,150 hp AC motors with 2 inch drill line.
<b>Compensator</b>	NOV CMC-1000-25 with 25 ft. maximum stroke with a static load of 2,000 kips (locked) and a compensated load of 1,000 kips active heave compensation
<b>Rotary Table</b>	1 x Varco BJ RST 60-1/2 inch hydraulic with a static load rating of 1,000 mt and 45,000 ft.-lbs. of continuous torque.
<b>Top Drive</b>	1 x Hydralift HPS 1000-2E-AC-KT rated at 2,000 kips driven by 2 x electric motors with a rating of 1,150 hp.
<b>Tubular Handling</b>	Hydratong MPT TF-975 Iron Roughneck
<b>Riser Feed</b>	
<b>Mud Pumps</b>	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.
<b>HP Mud System</b>	Rated for 7,500 psi
<b>Solids Control</b>	4 x Axiom AX-110 linear shale shakers. 2 x NOV Brandt HMA-30RG mud agitators.

## Power & Machinery

<b>Main Power</b>	6 x MAN B&W 16V32/40 diesel engines rated at 8,000 kW, 720 rpm, each driving 1 x ABB/AMG generators.
<b>Emergency Power</b>	1 x Cummins Marine QSK60DMGE 1350 kW 1800 rpm diesel engine driving 1 x Stamford PM734E1 1350 kW generator.
<b>Power Distribution</b>	ABB switchboards with generator protection.

## Storage Capacities

<b>Fuel Oil</b>	47,758 bbl
<b>Liquid Mud</b>	5,500 bbls. Active / 6,000 bbls. Reserve
<b>Base Oil</b>	3,138 bbl
<b>Brine</b>	3,138 bbl
<b>Drill Water</b>	18,870 bbl
<b>Potable Water</b>	9,126 bbl
<b>Bulk Material</b>	(mud + cement) 31,384 cu.ft.
<b>Sack Storage</b>	350 sacks

## BOP & Subsea Equipment

<b>BOP Rams</b>	T2 x Shaffer NXT 18-3/4 inch 15,000 psi triple ram preventers (6 x rams total).
<b>BOP Annulars</b>	2 x Shaffer 18-3/4 inch 10,000 psi annular preventers.
<b>BOP Handling</b>	NOV BOP Gantry crane rated at 200 mt capacity and NOV BOP trolley rated at 420 mt.
<b>Marine Riser</b>	Shaffer class H FT-H type 21 inch OD. 90 ft. length with 4-1/2 inch 15,000 psi choke and kill lines.
<b>Tensioners</b>	16 x NOV Hydralift 200 kips rated with a maximum stroke of 12.5 ft., wireline travel of 50 ft.
<b>Diverter</b>	Shaffer NOV 21-1/4 inch 500 psi with 18 inch flow lines.
<b>Tree Handling</b>	1 x 120 ton Xmas tree trolley with Xmas tree skid carts;
<b>Moonpool</b>	84 ft. length x 41 ft. width

## Station Keeping / Propulsion System

<b>Thrusters</b>	6 x Rolls Royce Aquamaster thrusters with ABB Sami Megastar 5,500 kW AC drives rated azimuthing fixed pitch.
<b>DP System</b>	Kongsberg-Simrad system for SDP-32 operations.

## Cranes

<b>Cranes</b>	4 x National Oilwell Varco cranes with 140 ft. booms rated at 85 mt at 59 ft. radius
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## Other Information

<b>Helideck</b>	Rated for Chinook helicopters, 88 ft. diameter
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Revision Date: 26 June 2014

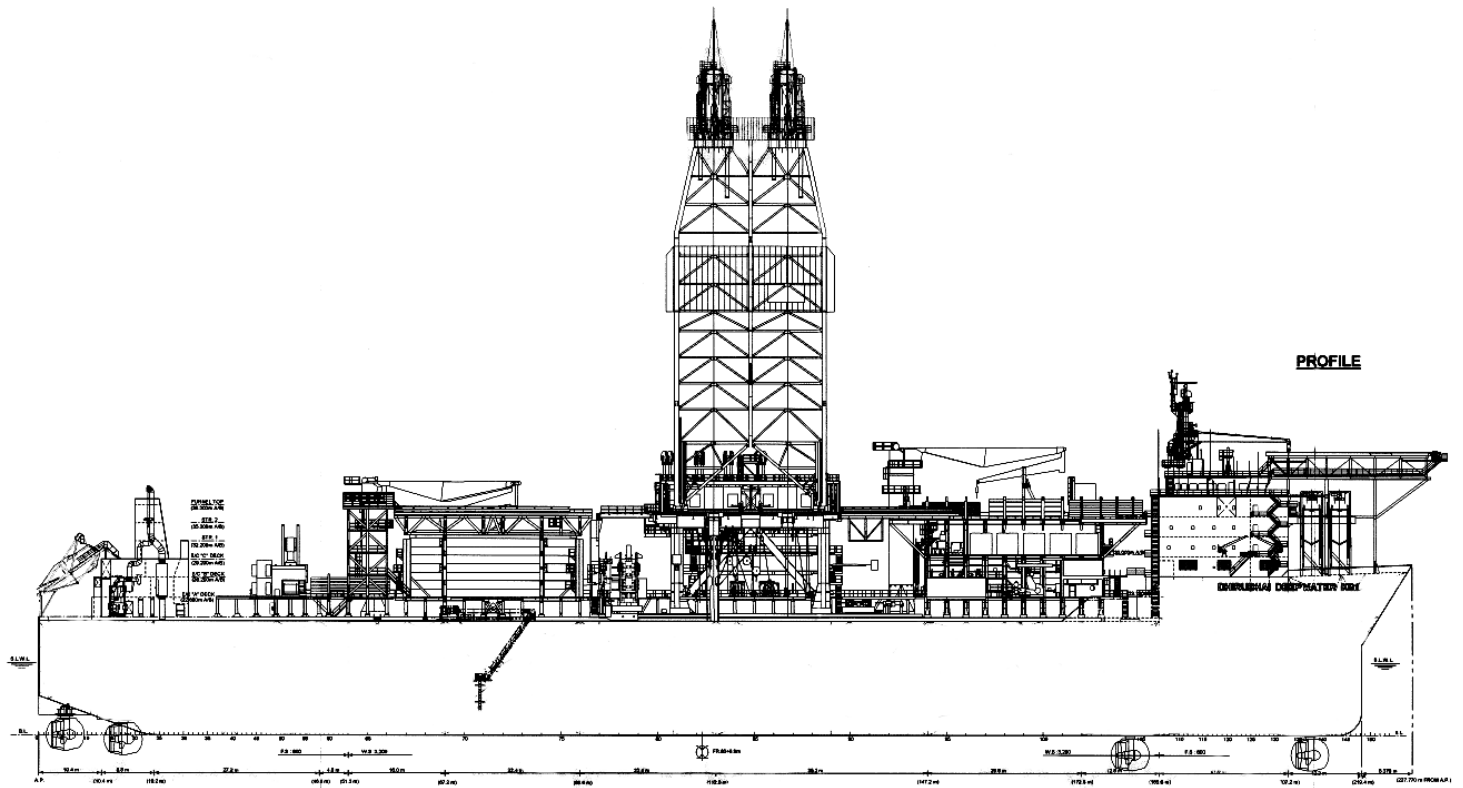


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating 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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## BOUNDLESS

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**SERVICE FOCUSED  
DATA DRIVEN  
PERFORMANCE ORIENTED**



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