

DHIRUBHAI DEEPWATER KG2

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
www.deepwater.com

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+A1(E), AMS, ACCU, DPS-3, NBLES,SH-DLA
Flag	Marshall Islands
Dimensions	748 ft. long x 137 ft. wide x 62 ft. deep
Drafts	39 ft. operating / 28 ft. transit
Accommodation	180 persons
Displacement	96,000 mt operating
Variable Deck	22,046 st operating / 18,188 st transit
Transit Speed	up to 12 knots
Maximum Water Depth	12,000 ft. designed / 12,000 ft. outfitted
Maximum Drilling Depth	35,000 ft

Drilling Equipment

Derrick	NOV dual dynamic Derrick, size 200 ft. high, with 80ft. long, 60 ft. wide base.
Hookload Capacity	2,000,000 lbs. static load capacity
Drawworks	NOV SSGD 1000-5750 5,750 hp driven by Baylor CM 628 motors rated at 1150 hp each with a maximum pull of 907 mt with 14 inch lines.
Compensator	NOV Shaffer CMC/1000/2000-25 active heave compensation with a 25 ft. stroke and 2,000 kips static load.
Rotary Table	Varco BJ RST 60-1/2 inch hydraulic rotary rated to 1,000 tons.
Top Drive	NOV HPS 100002E-AC-KT top drive rated to 1,000 tons 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 inch to 13-5/8 inch, and singles from 3-1/2 inch to 20 inch
Riser Feed	NOV RS45-90HS riser handling machine for handling 90 ft, 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

Power & 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	47,607 bbl
Liquid Mud	6,000 bbls. Active / 6,000 bbls. Reserve
Base Oil	5,031 bbl
Brine	5,800 bbl
Drill Water	18,064 bbl
Potable Water	6,667 bbl
Bulk Material	(mud + cement) 31,384 cu.ft.
Sack Storage	10,000 sacks

BOP & Subsea Equipment

BOP Rams	2 x Shaffer NXT 18-3/4 inch 15,000 psi triple ram preventers (6 x rams total).
BOP Annulars	2 x Shaffer 18-3/4 inch 10,000 psi annular preventers.
BOP Handling	1 x NOV BOP Trolley rated at 420 tons and 1 x NOV BOP gantry crane with dual lifting hoists.
Marine Riser	Shaffer Class H FT-H 21 inch marine riser with a length of 90 ft. and 15,000 psi 4-1/2 inch choke and kill lines.
Tensioners	16 x NOV Hydralift tensioners rated to 200 kips with a stroke of 12.5 ft.
Diverter	Shaffer CSO diverter with 21-1/4 inch bore and rated to 500 psi. With 18 inch flow lines.
Tree Handling	2 x Xmas tree trolley rated at 120 tons.
Moonpool	84 ft. length x 41 ft. 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 .

Cranes

Cranes	4 x National electro-Hydraulic cranes with 140 ft. booms and a rating of 85 mt at 59 ft. radius.
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Other Information

Helideck	Rated for Chinook BV 234 helicopters. 89ft diameter.
Other	ODS Riser Hang Off system (Trip saver) with riser hang off joint and riser gimbal adaptor. Designed to handle 2,000,000 lbs. 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 inch OD casing using 28 meter mouse hole capable of handling 3-1/2 inch to 20 inch tubulars.

Revision Date: 26 June 2014

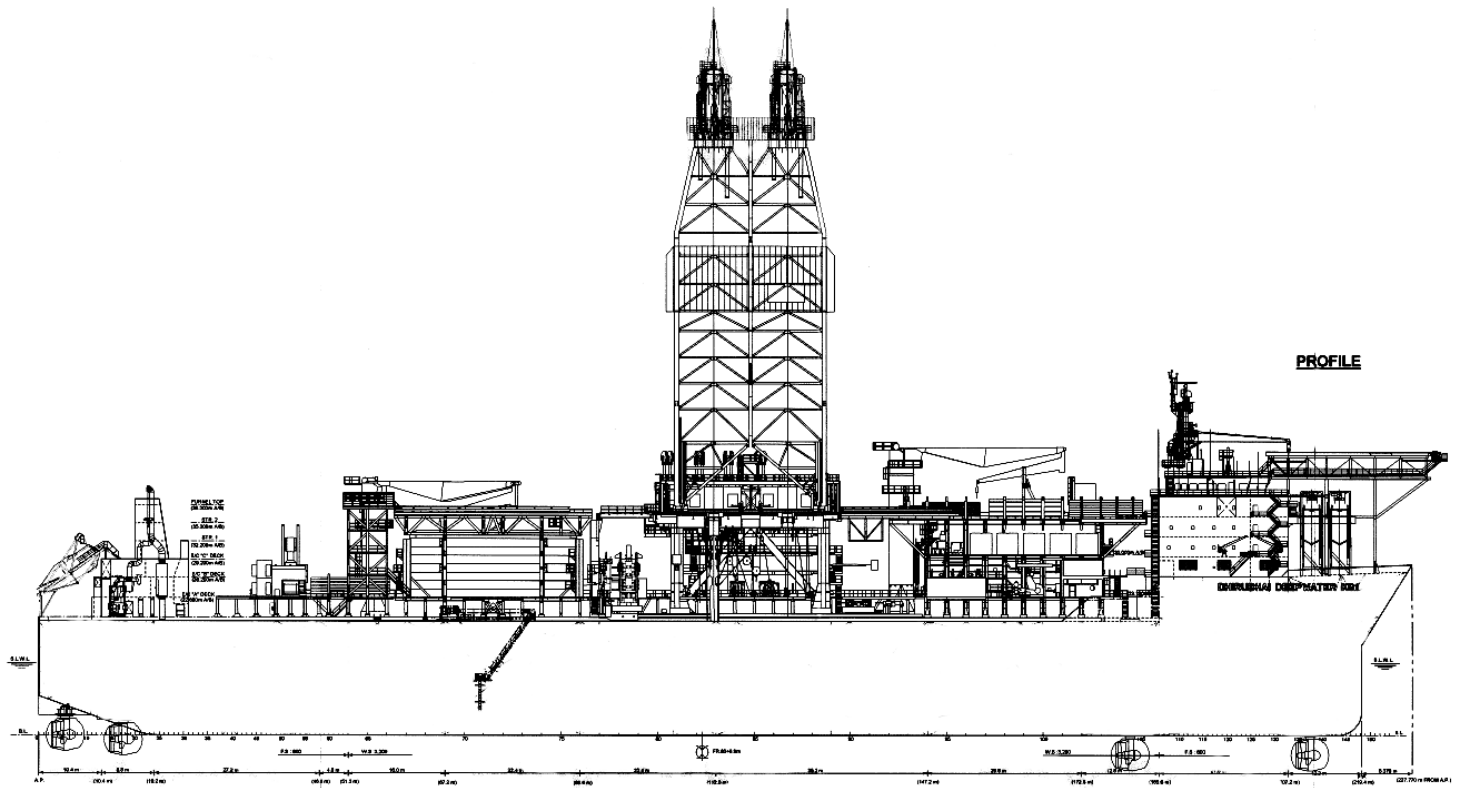


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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