

DHIRUBHAI DEEPWATER KG1

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



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General Description

Design / Generation	Samsung 12000 double hull 6th generation DP Drillship
Constructing Shipyard	Samsung Heavy Industries Geojje, South Korea
Year Entered Service / Significant Upgrades	2009
Classification	ABS, A1E, AMS, ACCU, DLA< DPS-3, NBLES, CDS
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 / 10,000 ft. outfitted
Maximum Drilling Depth	35,000 ft

Drilling Equipment

Derrick	NOV Dual Dynamic 200 ft. high x 60 ft. wide x 80 ft. length base
Hookload Capacity	2,000,000 lbs. static load capacity
Drawworks	1 x NOV SSGD-5750 2,000 kips single speed driven by 1 x 1,150 hp AC motors with 2 inch drill line.
Compensator	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
Rotary Table	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.
Top Drive	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.
Tubular Handling	Hydratong MPT TF-975 Iron Roughneck
Riser Feed	
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.

Power & 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 1350 kW 1800 rpm diesel engine driving 1 x Stamford PM734E1 1350 kW generator.
Power Distribution	ABB switchboards with generator protection.

Storage Capacities

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

BOP & Subsea Equipment

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

Station Keeping / Propulsion System

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

Cranes

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

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

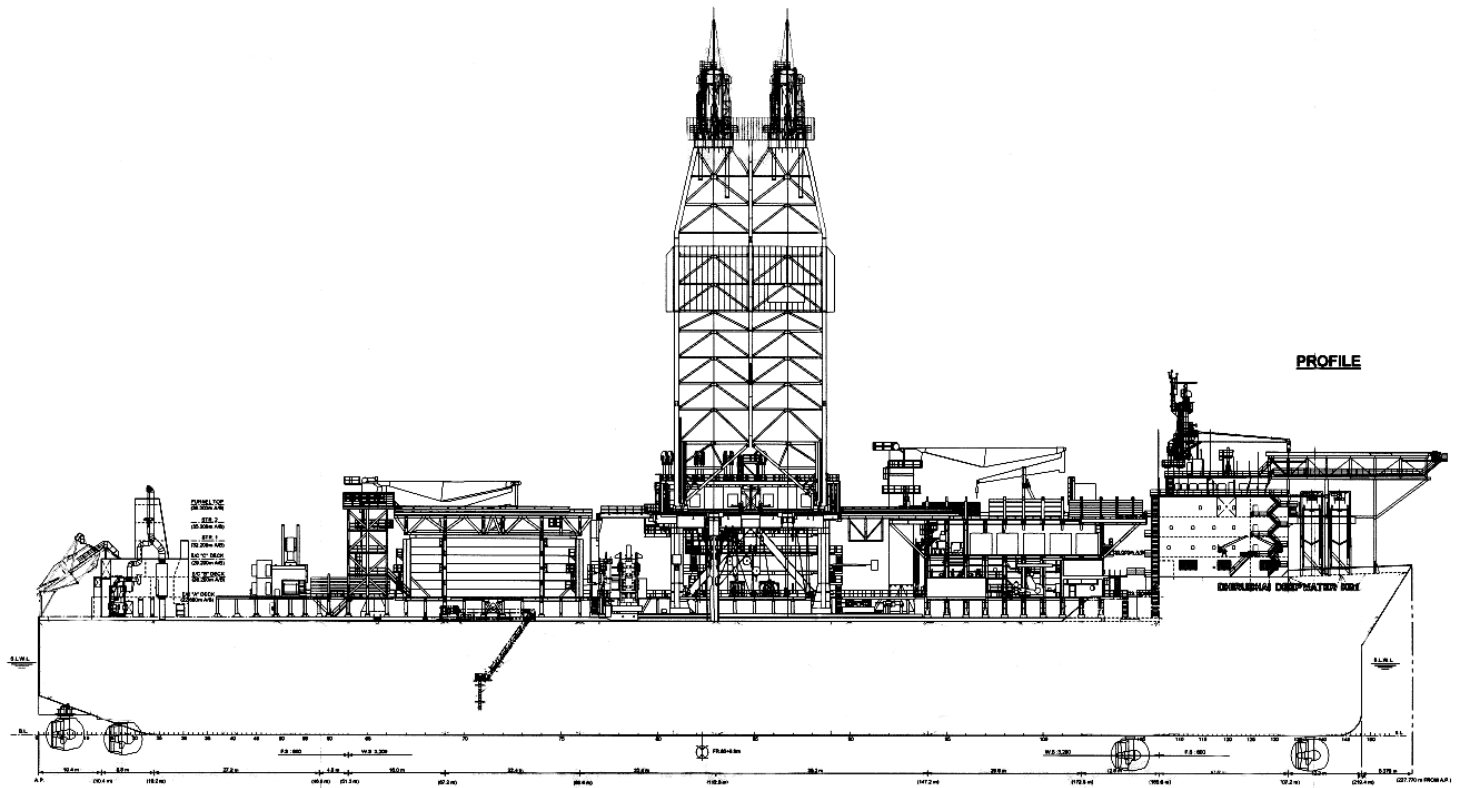


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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