

PETROBRAS 10000

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



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General Description

Design / Generation	Samsung 10,000 Double Hull
Constructing Shipyard	Samsung Heavy Industries South Korea
Year Entered Service / Significant Upgrades	2009
Classification	ABS +A1(E)
Flag	Marshall Islands
Dimensions	748 ft. long x 137 ft. wide x 62 ft. deep
Drafts	39 ft. operating / 28 ft. transit
Accommodation	199 persons
Displacement	108,024 st 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	37,000 ft

Drilling Equipment

Derrick	NOV Dual Dynamic Bottle Neck, 200 ft. high, with 80 ft. x, 80 ft. base.
Hookload Capacity	(Main) 2,000,000 lbs. gross nominal capacity (Aux) 972,000 lbs. gross nominal capacity
Drawworks	(Main) NOV SSGD-1000-5750-55-82-10.5, 5 x Baylor CM 628-TUT electric motors; rated at 5,750 hp and 2,000,000 lbs. with 12 x 2 inch drilling lines strung. (Aux) NOV SSGD-1000-5750-55-82-10.5, 5 x Baylor CM 628-TUT electric motors; rated at 5,750 hp and 2,000,000 lbs with 12 x 2 inch drilling lines strung.
Compensator	(Main) NOV CMC-1000/2000-25, rated at 1,000,000 lbs. compensated and 2,000,000 lbs. locked with a 25 ft. stroke active heave compensation (Aux) NOV CMC-1000/2000-25 same rating as main and active heave compensation.
Rotary Table	(Main) NOV RST605-2G with a 60-1/2 inch opening and rated at 1,000 st. (Aux) NOV RST605-2G same rating as Main.
Top Drive	(Main) NOV HPS 1000 2E-AC-KT 907 st capacity driven by 2 x GE GEB AC motors rated at 78,450 ft.-lbs. continuous drilling torque in low gear. (Aux) Same as above.
Tubular Handling	Dual Hydro-Racker system HR-IV pipe racking system, complete with 2 x Hydratong MPT-200 and 1 x NOV MHP-10-15 Power Mousehole.
Riser Feed	19 x 21 inch riser at a length of 90 ft.
Mud Pumps	4 x NOV 2,700 hp triplex pumps, each driven by 2 x Baylor CM628TUT traction motors.
HP Mud System	Rated for 7,500 psi.
Solids Control	6 x NOV VSM 300 high speed linear motion shale shakers

Power & Machinery

Main Power	6 x Wartsila 16V32 diesel engines rated at 7,290 kW, 720 rpm, each driving 1 x 8,750 kVA ABB/AMG 0900 x U10 generators.
Emergency Power	1 x Lindenberg-Anlagen MTU 12V 4000P 81 diesel engine rated at 1,600 kW, at 1,800 rpm driving 1 x Leroy Somer LSAM generator.
Power Distribution	11kV, 440V, 60 Hz, 3-phase drilling drive system.

Storage Capacities

Fuel Oil	38,900 bbl
Liquid Mud	5,500 bbl active / 6,000 bbl reserve
Base Oil	2,800 bbl
Brine	2,800 bbl
Drill Water	17,600 bbl
Potable Water	8,100 bbl
Bulk Material	(mud + cement) 32,490 cu.ft.
Sack Storage	10,000 sacks

BOP & Subsea Equipment

BOP Rams	Shaffer 18-3/4 inch 15,000 psi 6-ram preventer. (3 x Triple)
BOP Annulars	1 x Shaffer 18-3/4 inch 10,000 psi annular preventer. 1 x Shaffer 18-3/4 inch 15,000 psi annular preventer.
BOP Handling	BOP crane x 2 rated at 220 st main hoists and 1 x 38 st service hoists; BOP Trolley rated at 463 st with 4 x storage stands.
Marine Riser	Shaffer 21 inch OD FT-H and 90 ft. long per joint.
Tensioners	8 x NOV Dual wireline riser tensioners, rated at 200 kips each; and a 12.5 ft maximum stroke..
Diverter	Shaffer 21-500 diverter rated at 500 psi and an opening of 60-1/4 inches, with 1 x 18 inch low line.
Tree Handling	1 x 440 st Xmas tree trolley.
Moonpool	84 ft. length x 41 ft. width

Station Keeping / Propulsion System

Thrusters	6 x (3 at forward, 3 at aft) Wartsila FS3502-671 NU 4,500 kW, with variable speed AC direct drive, azimuthing, and fixed pitch blades.
DP System	Kongsberg Simrad System DP-3, Dual redundant DGPS or equivalent and dual HiPAP hydro acoustic position reference.

Cranes

Cranes	4 x National Oilwell Varco 3932 cranes, with an additional 1 x 11 st pipe gripper.
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Other Information

Helideck	Rated for Chinook BV234 helicopters
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Revision Date: 29 August 2014

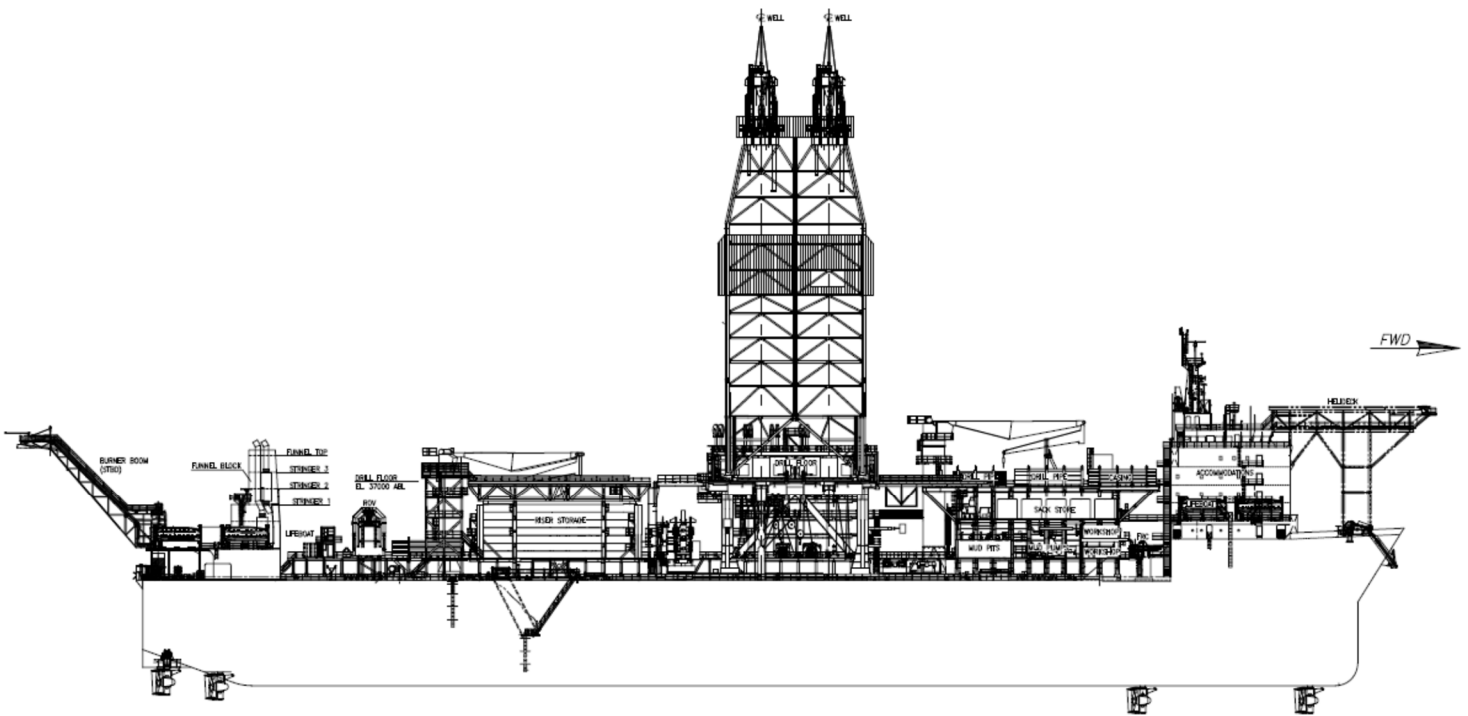
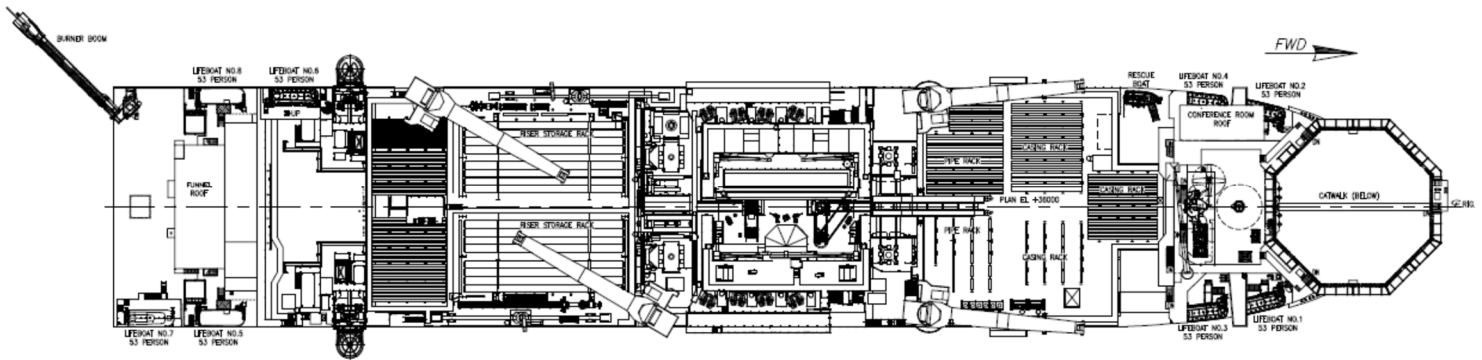


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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