

# PETROBRAS 10000

## ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



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### General Description

<b>Design / Generation</b>	Samsung 10,000 Double Hull
<b>Constructing Shipyard</b>	Samsung Heavy Industries South Korea
<b>Year Entered Service / Significant Upgrades</b>	2009
<b>Classification</b>	ABS +A1(E)
<b>Flag</b>	Marshall Islands
<b>Dimensions</b>	748 ft. (228 m) x 137 ft. (41.7 m) x 62 ft. (18.8 m) Deep
<b>Drafts</b>	39 ft. (11.8 m) operating / 28 ft. (8.5 m) Transit
<b>Accommodation</b>	199 persons
<b>Displacement</b>	108,024 st (97,999mt) operating
<b>Variable Deck</b>	22,046 st (19,999.7 mt) operating / 18,188 st (16,499 mt) transit
<b>Transit Speed</b>	up to 12 knots
<b>Maximum Water Depth</b>	12,000 ft (3,657.6 m) designed / 10,000 ft (3,048 m) outfitted
<b>Maximum Drilling Depth</b>	37,000 ft (11,277 m)

### Drilling Equipment

<b>Derrick</b>	NOV Dual Dynamic Bottle Neck, 200 ft. (60.9 m) high, with 80 ft. (24.4 m) x, 80 ft. (24.4 m) base.
<b>Hookload Capacity</b>	(Main) 1,000 st ( 907 mt) capacity (Aux) 486 st (440.8 mt) capacity
<b>Drawworks</b>	(Main) NOV SSGD-1000-5750-55-82-10.5, 5 x Baylor CM 628-TUT electric motors; rated at 5,750 hp and 1,000st (907 mt). with 12 x 2" 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 1,000st (907 mt) with 12 x 2" drilling lines strung.
<b>Compensator</b>	(Main) NOV CMC-1000/2000-25, rated at 500st (453.5 mt). compensated and 1,000 st (907 mt). On the beams with a 25 ft. (7.6 m) stroke active heave compensation (Aux) NOV CMC-1000/2000-25 same rating as main and active heave compensation.
<b>Rotary Table</b>	(Main) NOV RST605-2G with a 60-1/2" opening and rated at 1,000 st. (907 mt) (Aux) NOV RST605-2G same rating as Main.
<b>Top Drive</b>	(Main) NOV HPS 1000 2E-AC-KT 907 st (823 mt) 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.
<b>Tubular Handling</b>	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.
<b>Riser Feed</b>	19 x 21" riser at a length of 90 ft. (27.4 m)
<b>Mud Pumps</b>	4 x NOV 2,700 hp triplex pumps, each driven by 2 x Baylor CM628TUT traction motors.
<b>HP Mud System</b>	Rated for 7,500 psi.
<b>Solids Control</b>	6 x NOV VSM 300 high speed linear motion shale shakers

### Power & Machinery

<b>Main Power</b>	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.
<b>Emergency Power</b>	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.
<b>Power Distribution</b>	11kV, 440V, 60 Hz, 3-phase drilling drive system.

### Storage Capacities

<b>Fuel Oil</b>	38,900 bbl (6,184 m3)
<b>Liquid Mud</b>	5,500 bbl active (874 m3) / 6,000 bbl reserve (954 m3)
<b>Base Oil</b>	2,800 bbl (445 m3)
<b>Brine</b>	2,800 bbl (445 m3)
<b>Drill Water</b>	17,600 bbl (2,798 m3)
<b>Potable Water</b>	8,100 bbl (1,287 m3)
<b>Bulk Material</b>	(mud + cement) 32,490 cu.ft. (920 m3)
<b>Sack Storage</b>	10,000 sacks

### BOP & Subsea Equipment

<b>BOP Rams</b>	Shaffer 18-3/4" 15,000 psi 6-ram preventer. (3 x Triple)
<b>BOP Annulars</b>	2 x Shaffer 18-3/4" 10,000 psi annular preventer.
<b>BOP Handling</b>	BOP crane x 2 rated at 220 st (199.5 mt) main hoists and 1 x 38 st (34.4 mt) service hoists; BOP Trolley rated at 463 st (420 mt) with 4 x storage stands.
<b>Marine Riser</b>	Shaffer 21" OD FT-H and 90 ft. (27.4 m) long per joint.
<b>Tensioners</b>	8 x NOV Dual wireline riser tensioners, rated at 100 st (90.7 mt) each; and a 12.5 ft (3.8 m) maximum stroke..
<b>Diverter</b>	Shaffer 21-500 diverter rated at 500 psi and an opening of 60-1/4", with 1 x 18" low line.
<b>Tree Handling</b>	1 x 440 st (399 mt) Xmas tree trolley.
<b>Moonpool</b>	84 ft. (25.6 m) length x 41 ft. (12.5 m) Width

### Station Keeping / Propulsion System

<b>Thrusters</b>	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.
<b>DP System</b>	Kongsberg Simrad System DP-3, Dual redundant DGPS or equivalent and dual HiPAP hydro acoustic position reference.

### Cranes

<b>Cranes</b>	4 x National Oilwell Varco 3932 cranes, with an additional 1 x 11 st (9.9 mt) pipe gripper.
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### Other Information

<b>Helideck</b>	Rated for Chinook BV234 helicopters
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Revision Date: 03 October 2022

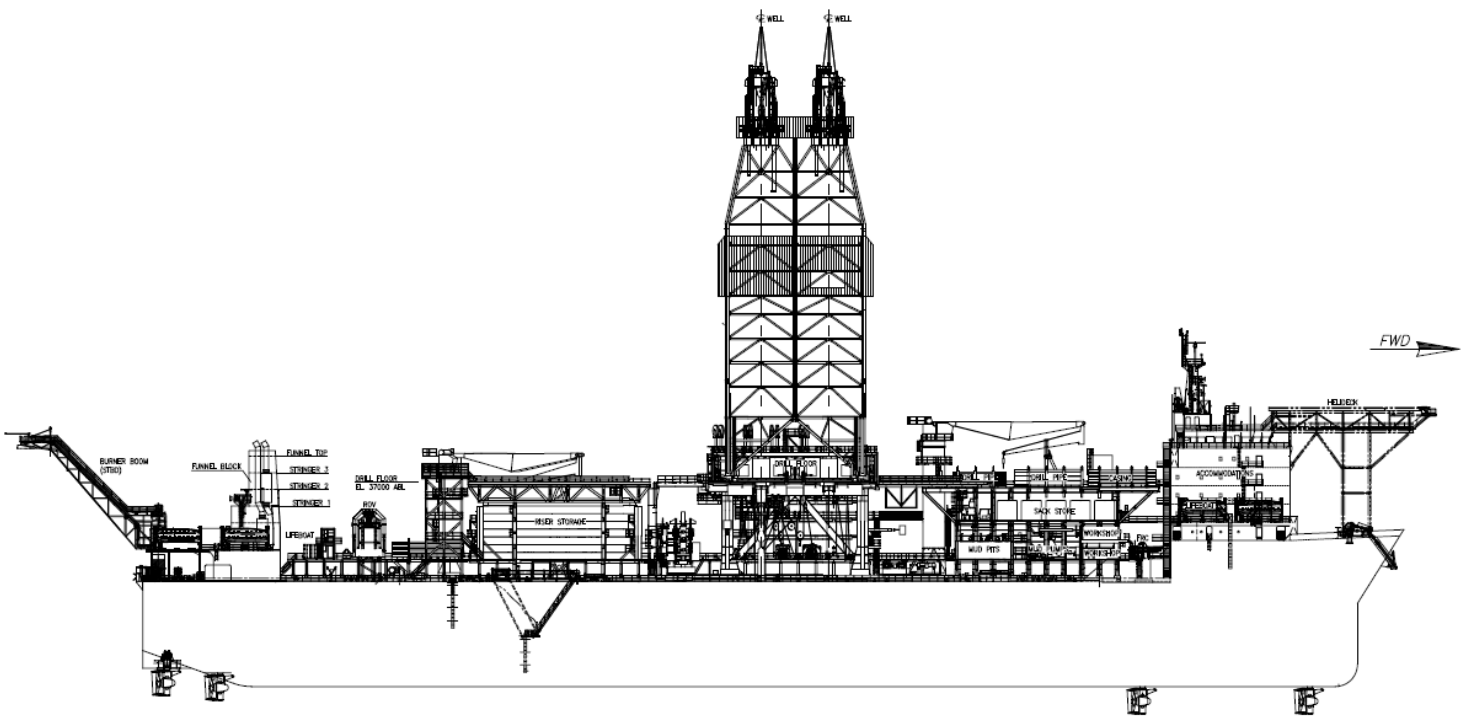
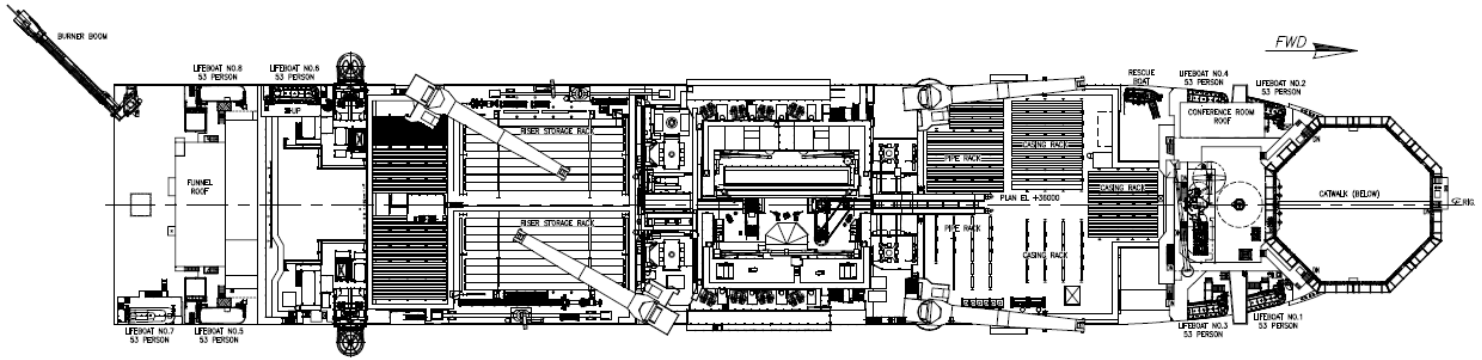


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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

Revision Date: 03 October 2022

**SERVICE FOCUSED  
DATA DRIVEN  
PERFORMANCE ORIENTED**



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