

# DEEPWATER PONTUS

## ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



**For additional information please contact:**

Transocean  
Marketing Department  
1414 Enclave Parkway  
Houston, TX 77077, 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>	DSME 12000 Ultra Deepwater Drillship
<b>Constructing Shipyard</b>	DSME
<b>Year Entered Service / Significant Upgrades</b>	2017
<b>Classification</b>	DNV *1A1, "Ship Shaped Drilling Unit", E0, DYNPOS-AUTRO, DRILL, CRANE, HELDK
<b>Flag</b>	Marshall Islands
<b>Dimensions</b>	781 ft. (238 m) LOA x 138 ft. (42 m) beam x 62 ft. (18.9 m) depth
<b>Drafts</b>	39 ft. (11.8 m) operating / 29 ft. (8.8 m) Transit
<b>Accommodation</b>	200 persons
<b>Displacement</b>	114,640 st (104,000 mt) operating
<b>Variable Deck</b>	25,346 st (22,994 mt) operating / 20,938 st (18,995 mt) transit
<b>Transit Speed</b>	up to 12.5 knots
<b>Maximum Water Depth</b>	12,000 ft (3,658 m) designed / 10,000 ft (3,048 m) outfitted
<b>Maximum Drilling Depth</b>	40,000 ft (12,192 m)

### Drilling Equipment

<b>Derrick</b>	Dual dynamic derrick 210 ft (64 m) clear internal working height with 78 ft (23.7 m) x 46 ft (14 m) base
<b>Hookload Capacity</b>	(Main & Aux) 1,400 st (1,270 mt). capacity (2,000 st (1,814 mt) combined)
<b>Drawworks</b>	Two (2) (Main & Aux) NOV AHD-1400 active heave compensated drawworks, 10,500 hp each with seven (7) x 1500 hp GE 690 VAC motors Both drawworks rated at 1,400 st (1,270 mt) (blocks reeved for 16 lines) with 2-1/8" OD lines
<b>Compensator</b>	(Main & Aux) Active Heave Compensation in drawworks.
<b>Rotary Table</b>	(Main & Aux) NOV RST-755 75-1/2" hydraulic rated at 1,250 st (1,134 mt); 45,000 ft.-lbs. maximum continuous torque
<b>Top Drive</b>	(Main & Aux) NOV TDX-1250 electric rated to 1,250 st. (1,134 mt) with a continuous torque output of 105,000 ft.-lbs. (at 130 rpm) and two (2) x 1,340 hp. AC motors
<b>Tubular Handling</b>	Two (2) NOV ST-160 Iron Roughnecks for tubulars ranging from 3-1/2" to 10". Racking systems for a tubular range of 4-1/2" to 14" with two (2) vertical pipe racking systems
<b>Riser Feed</b>	One (1) Riser Catwalk Machine, maximum capacity 49.6 st (45 mt) and 90 ft. (27 m) riser joint
<b>Mud Pumps</b>	Four (4) NOV 14-P-220 AC triplex pumps, each driven by two (2) x GE 1,100 hp 690VAC motors plus space for a fifth optional pump
<b>HP Mud System</b>	Rated for 7,500 psi

### Power & Machinery

<b>Main Power</b>	Six (6) Hyundai HiMSEN 4-stroke 720 rpm diesel engines, each driving a 6,750 kw x 11KVAC generator
<b>Emergency Power</b>	One (1) 4-stroke 1,800 rpm diesel engine rated at 1,700 kW driving a 690 VAC generator
<b>Power Distribution</b>	Three (3) Siemens 11KV AC switchboards with AGP (Advanced Generator Protection) DC drilling drives include stored energy capability (Hybrid Power System)

### Storage Capacities

<b>Fuel Oil</b>	50,318 bbl (8,000 m3)
<b>Liquid Mud</b>	8,869 (1,410 m3) bbl Active / 10,562 (1,679 m3) bbl reserve
<b>Base Oil</b>	4,935 bbl (785 m3)
<b>Brine &amp; Completion Fluids</b>	20,442 bbl (3,250 m3)
<b>Drill Water</b>	21,700 bbl (3,450 m3)
<b>Potable Water</b>	8,177 bbl (1,300 m3)
<b>Bulk Material</b>	(mud + cement) 30,017 cu.ft. (850 m3)
<b>Sack Storage</b>	10,000 sacks

### BOP & Subsea Equipment

<b>BOP</b>	Two (2) x seven (7) ram 18-3/4" x 15,000 psi BOP's consisting of two (2) Cameron TL doubles and one (1) Cameron TL triple Separate test control system for the second BOP while the primary BOP is deployed
<b>LMRP</b>	Two (2) LMRP's, each including one (1) Cameron Dual DL 18-3/4" 10,000 psi annular preventer
<b>BOP Handling</b>	NOV BOP Moonpool Trolley rated at 661 st (600 mt) with two (2) x 330.5 st (300 mt) overhead service hoists and two (2) x 16.5 st (15 mt) service hoists
<b>Marine Riser</b>	Cameron Load King Riser 75 ft. (22.8 m) x 21" OD, with H class connectors and 4.5" ID 15,000 psi choke and kill lines
<b>Tensioners</b>	2,000 st (1,814 mt) combined capacity using eight (8) NOV DWRT-250 dual riser tensioners rated at 125 st (113 mt) each tensioner with a maximum effective 50 ft. (15.2 m) stroke
<b>Diverter</b>	Cameron 21" x 500 psi with two (2) 16" flow lines
<b>Tree Handling</b>	One (1) 385 st (350 mt) Xmas tree trolley and two (2) 165 st (150 mt) skid cart
<b>Moonpool</b>	82 ft. (25 m) length x 31 ft. (9.5 m) width

### Station Keeping / Propulsion System

<b>Thrusters</b>	Six (6) right angle geared thrusters, three (3) forward and three (3) aft, each rated at 5,500 kw, variable speed, fixed pitch, fully azimuthing, and underwater demountable type with advanced thruster capabilities (ADCAP)
<b>DP System</b>	DP3, Kongsberg Maritime K-Pos 3 (triple redundant) with backup DP system

### Cranes

<b>Cranes</b>	Three (3) 110 st (100 mt) knuckle boom cranes rated at 27.5 st (25 mt) at a radius of 147.6 ft (45 m)
<b>AHC Subsea Crane</b>	One (1) 182 st (165 mt) active heave compensated knuckle boom crane for handling 93 st (84.3 mt) subsea equipment to 12,000 ft (3,658 m) WD

### Other Information

<b>Helideck</b>	Rated for Sikorsky S-61 & S-92 helicopters
<b>Emissions</b>	IMO tier III with SCR exhaust treatment and using low sulphur or ULSD diesel fuel (MGO)

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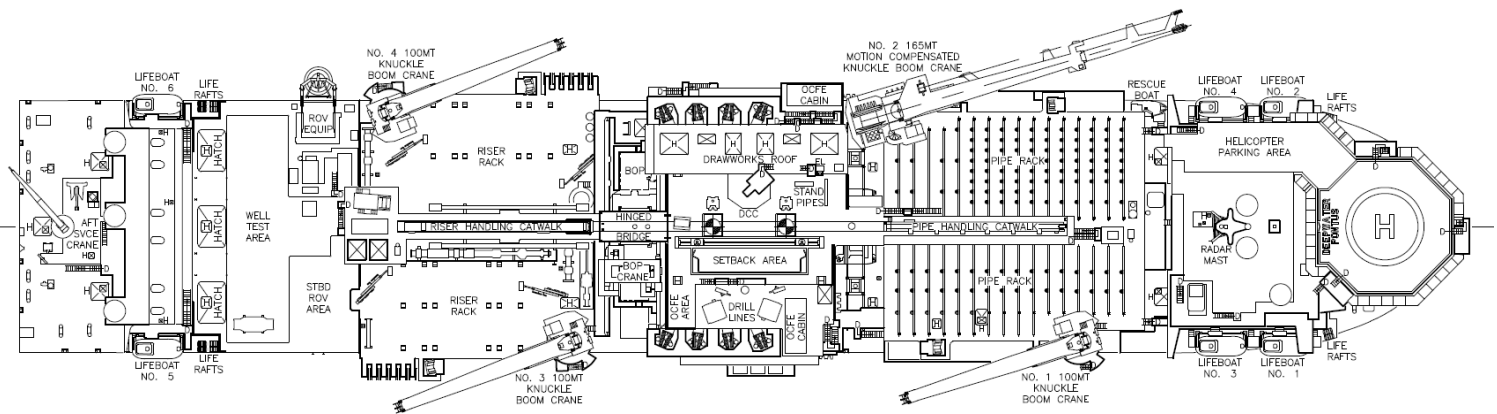
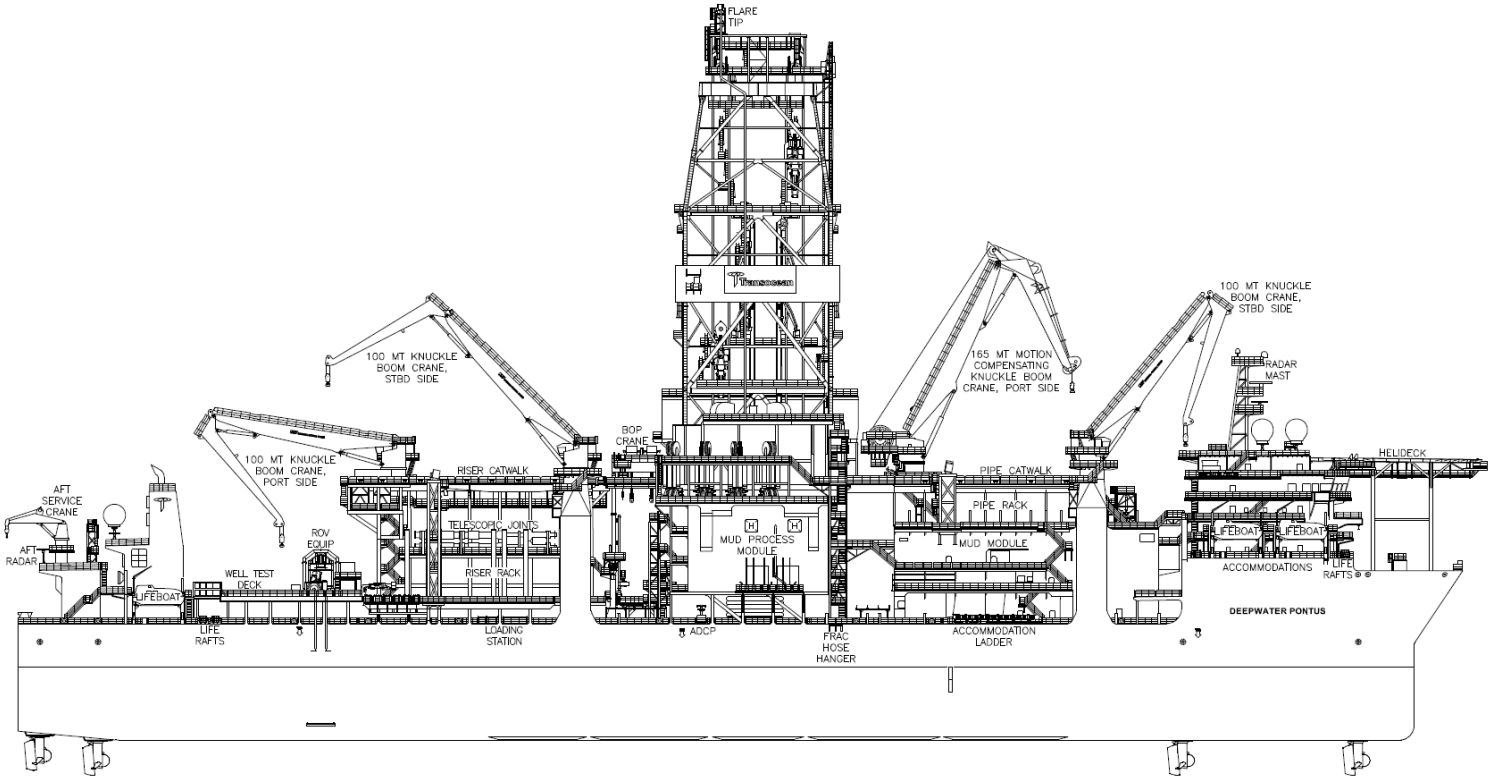


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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