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Deepwater Nautilus		
The DEEPWATER NAUTILUS is a Reading & Bates IHI-RBF semi-submersible capable of operations in water depths up to 8,000 ft using 18 3/4in 15,000 psi BOP and 21in OD marine drilling riser.		
Rig Type	5th Generation Deepwater	
Design	RB8-8M	
Builder	Hyundai Heavy Industries, Ulsan, South Korea	
Year Built	2000	
Classification	ABS +A1 Column Stabilized Drilling Unit (M) (P)	
Flag	Vanuatu	
Accommodation	150 beds	
Helideck	Rated for Sikorsky S61-N helicopter	
Moonpool	21 ft x 93 ft	
Station Keeping	8 Point Mooring System	
Max Drill Depth	30,000 ft / 9,144 m	
Max Water Depth	8,000 ft / 2,438 m	
Operating Conditions	Significant Wave: 35 ft, Wind: 51 knots, Surface Current: 1.1 knots	
Storm Conditions	Significant Wave: 48 ft, Wind: 105 knots, Surface Current: 2 knots	

Technical Dimensions

Length	392 ft	119 m
Breadth	308 ft	94 m
Depth	28 ft	9 m
Operating Draft	76 ft	23 m
Ocean Transit Draft	29 ft	9 m
VDL - Operating	9,700 st	8,800 mt

Capacities

Liquid Mud (Surface)	4,000 bbls	22,458 cu ft	636 cu m
Drill Water	19,775 bbls	111,027 cu ft	3,142 cu m
Potable Water	4,251 bbls	23,867 cu ft	675 cu m
Fuel Oil	27,021 bbls	151,709 cu ft	4,293 cu m
Bulk Mud		16,333 cu ft	462 cu m
Bulk Cement		8,175 cu ft	231 cu m
Sack Material	10,000 sacks		

Drilling Equipment

Derrick	Draco Derrick with a 48 ft x 48 ft base rated for 2,000,000 lbs
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<b>BOP</b>	Draco BOP with 4 70 ft. x 70 ft. base rated for 2,000,000 lbs.
<b>Drawworks</b>	Dreco Hitec with Lebus grooving drum for 2 in drilling line
<b>Motion Compensator</b>	Hitec Active Heave Compensation with 14.5 ft stroke
<b>Top Drive</b>	Varco TDS-8S (AC) rated for 750 ST with parking assembly
<b>Rotary</b>	Varco with 60-1/2 in opening with hydraulic rotary drive
<b>Pipe Handling</b>	1 x Varco AR-3200 Iron Roughneck; 2 x Varco PRS-4i Pipe Racking System
<b>Mud Pumps</b>	4 x National 14-P-220, 2200 HP, maximum working pressure 7,500 psi
<b>Shale Shakers</b>	5 x Brandt LCM-2D CS linear motion cascading shakers
<b>Desander</b>	NA
<b>Desilter</b>	NA
<b>Mud Cleaner</b>	NA
<b>BOP</b>	Cameron type TL, 18-3/4 inch 15K psi stack (five ram system: 2 double & 1 single); Cameron Type DL Annular 18-3/4
<b>LMRP</b>	Cameron type DL single 18-3/4 inch, 10K psi
<b>Diverter</b>	Hydril FS 21 x 60, 500 psi working pressure
<b>Control System</b>	Cameron Multiplex System
<b>Riser</b>	Vetco, HMF Class G flanged, 21 in OD x 90 ft length
<b>Riser Tensioners</b>	Six Hydralift 'N' Line direct acting tensioners, each with 50 ft. stroke x 533,000 lbs. for a total of 3,200,000 lbs. capacity. Tensioner system can be skidded starboard from well center line while suspending complete string of riser and BOP.
<b>Guideline Tensioners</b>	NA
<b>Podline Tensioners</b>	NA
<b>Choke &amp; Kill Manifold</b>	Control Flow 3-1/16" ID
<b>Cementing</b>	Third Party Equipment

**Machinery**

<b>Main Power</b>	4 x Wartsila 12V32D LNE diesel engines 6,300 HP each, driven by ABB AC generators
<b>Emergency Power</b>	1 x Caterpillar SR4 diesel engine, 500 KW output
<b>Power Distribution</b>	GE Digital Drilling Drives
<b>Deck Cranes</b>	2 x Liebherr 2600-92D deck cranes, 150 ft boom length, 92 MT @ 6.6 m
<b>Thrusters</b>	NA
<b>Propulsion</b>	NA

**Mooring Equipment**

<b>Winches</b>	8 x Bodewes electric winches for 364 MT pull
<b>Wire/Chain</b>	8 x 14,500 ft long 3-3/4 in wires; 8 x 500 ft long 3-9/16 in RQ3 chains
<b>Anchors</b>	8 x Vryhof Stevpris MK-5 anchors, 18 MT each

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