

DISCOVERER ENTERPRISE

ULTRA-DEEPWATER DUAL-ACTIVITY DRILLSHIP



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General Description

Design / Generation	Transocean Enterprise class double hull drillship
Constructing Shipyard	Astano, Spain
Year Entered Service / Significant Upgrades	1999
Classification	DNV, 1A1, EO DYNPOS, AUTR, Oil Storage Vessel
Flag	Marshall Islands
Dimensions	835 ft. long x 125 ft. wide x 64 ft. deep
Drafts	42 ft. operating / 39 ft. transit
Accommodation	200 persons
Displacement	111,830 st operating
Variable Deck	20,000 mt. operating / 18,000 mt. transit
Transit Speed	up to 12 knots
Maximum Water Depth	10,000 ft. designed / 8,500 ft. outfitted
Maximum Drilling Depth	35,000 ft

Drilling Equipment

Derrick	Dreco Dual activity derrick 226 ft. high x 80 ft. wide x 80 ft. deep.
Hookload Capacity	(Main and Aux) 2,000,000 lbs. gross nominal capacity (each).
Drawworks	(Main and Aux) 2 x Continental Emsco EH-V5000 drawworks rated to 1,000 tons capacity with 2 inch drilling line.
Compensator	(Main and Aux) 2 x Varco Shaffer Crown Mounted Compensator CM-25-1000 with a 25 ft. stroke and a locked capacity of 1,000 lt., 500 lt compensating
Rotary Table	(Main and Aux) 2 x Varco BJ RST 605 60.5 inch with a rated static capacity of 1,000 lt. each driven by 2 x Hi torque hydraulic motors rated at 1,600 hp, max continuous torque rating of 40,000 ft.-lbs.
Top Drive	(Main and Aux) 2 x Varco TDS-8S electric top drive rated at 750 lt. each driven by 1 x Siemens VFD GE ACVFD motor rated at 62,250 ft. lbs. continuous torque at 250 rpm.
Tubular Handling	2 x Varco AR3500 Iron Roughnecks, 2 x Varco BJ HT 100 rotary tongs, 2 x Varco PRS-5 racking arm.
Riser Feed	1 x Vetco HY-3 1000 ton hydraulic riser handler.
Mud Pumps	4 x National 14-P-220 triplex pumps, each driven by 2 x GE 752 1,130 hp traction motors.
HP Mud System	Rated for 7,500 psi
Solids Control	6 x Axiom AX-1 shale shakers

Power & Machinery

Main Power	4 x Wartsila 18V32 LNE diesel engines rated at 9,772 hp and 2 x Wartsila 12V32 LNE engines rated to 6,515 hp each driving 1 x ABB 1,000 kW generator.
Emergency Power	1 x Wartsila 6R32 LNE diesel engine 3,257 hp at 720 rpm driving 1 x ABB 2625 kVA at 720 rpm generator.
Power Distribution	18 x Bayloc/Gegelec SCR system.

Storage Capacities

Fuel Oil	36,000 bbl
Liquid Mud	6,000 bbl Active / 9,000 bbl Reserve
Base Oil	125,000 bbl
Brine	2,100 bbl
Drill Water	13,700 bbl
Potable Water	5,000 bbl
Bulk Material	(mud + cement) 32,000 cu.ft.
Sack Storage	16,000 sacks

BOP & Subsea Equipment

BOP Rams	Hydril 18-3/4 inch 15,000 psi BOP with 3 x double 15,000 psi ram preventers.
BOP Annulars	1 x Hydril GX 10,000 psi Annuflex annular preventer.
BOP Handling	Subsea Ventures Inc. BOP skid system with 4 x BOP skidding carts rated at 350 tons each. Vetco MD-H4 Emergency BOP recovery system.
Marine Riser	Vetco HMF 21 inch x 19.38 inch ID, 75 ft. nominal length per joint.
Tensioners	6 x Hydlift 22 inch tensioners rated at 800,000 lbs., 50 ft. maximum stroke.
Diverter	Vetco CSO 60 inch 500 psi rated with 3 x 16 inch flow lines.
Moonpool	73 ft. length x 30 ft. width.

Station Keeping / Propulsion System

Thrusters	6 x Aquamaster thrusters 360 degree azimuthing fixed blades and nozzled rated at 7,000 hp each.
DP System	1 x Kongsberg-Simrad Integrated Automation system with triple redundant SDP32 dynamic positioning. Full DP with Sonardyne LUSBL acoustic referencing system.

Cranes

Cranes	4 x Hydralift Pedestal OKMC 4000 cranes with 140 ft. booms and a capacity rating of 82 lt. at a radius of 62 ft.
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Other Information

Helideck	Rated for Sikorsky S61 and S92 or Chinook 234 helicopters. 45 ft. x 38ft.
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Revision Date: 23 June 2014

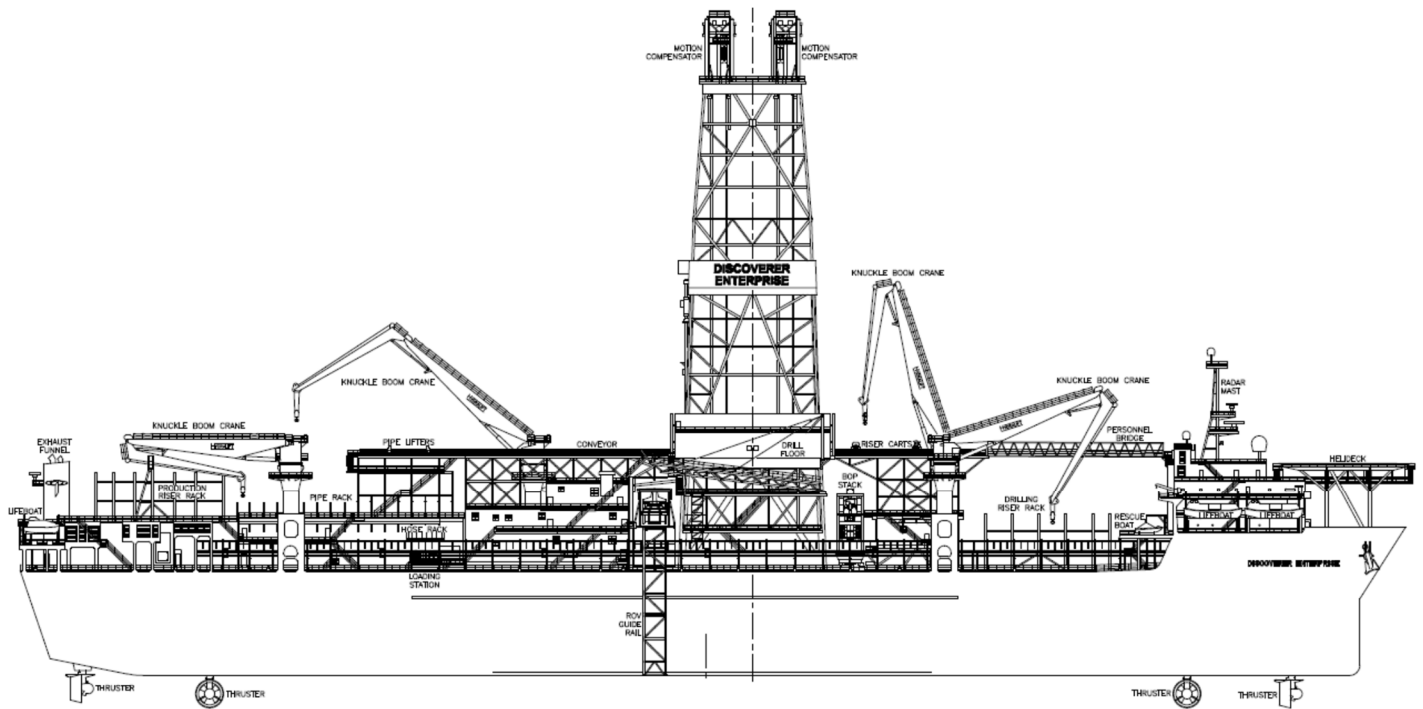
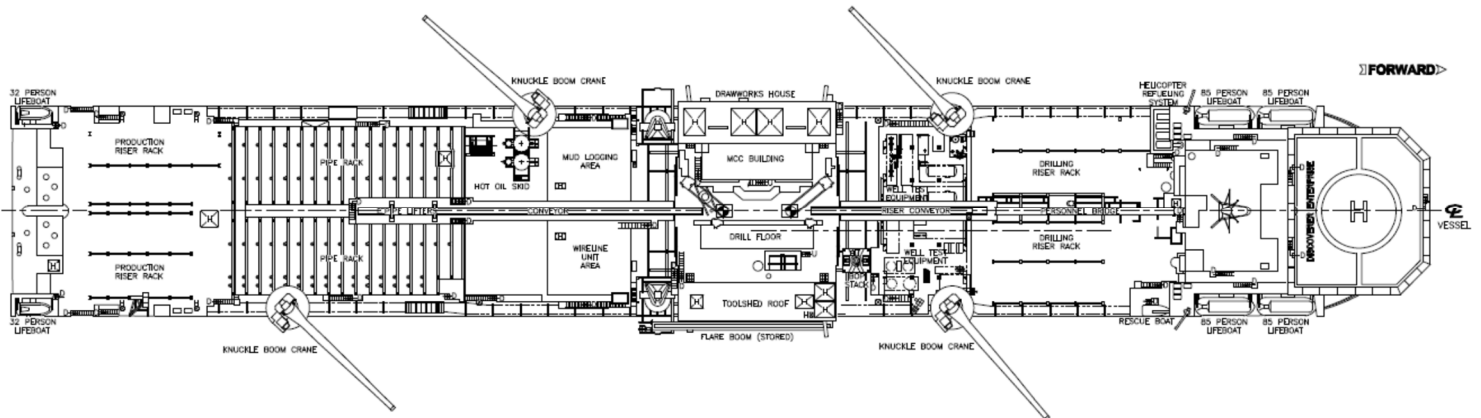


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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