

TRANSOCEAN NORGE

HARSH-ENVIRONMENT SEMI-SUBMERSIBLE



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General Description

Design / Generation	Moss Maritime CS60 / 6th Generation
Constructing Shipyard	Jurong Shipyard Pte. Ltd. (Singapore)
Year Entered Service / Significant Upgrades	2015 / Upgrade 2018
Classification	DNV-GL, 1A1, Column-stabilized Drilling unit(N), Crane(N), DRILL(N), DYNPOS(AUTRO), E0, HELDK-SH(CAA-N), POSMOOR(ATA)
Flag	Marshall Islands
Dimensions	122.6 m long x 94.2 m wide
Drafts	23.5 m operating / 11 m transit
Accommodation	150 persons
Displacement	76,981 mt operating / 53,029 mt transit
Variable Deck	7,500 mt operating / 7,000 mt transit
Transit Speed	up to 8 knots
Maximum Water Depth	3,000 m designed / 1,000 m outfitted
Maximum Drilling Depth	12,200 m

Drilling Equipment

Derrick	NOV Type SDBN-1100 Derrick, 64 m high (clear internal), with 15 m long, 16 m wide base, partly enclosed with cladding up to 3 m above Fingerboard Level
Hookload Capacity	998 mt gross nominal capacity (Derrick)
Drawworks	NOV-SSGD Drawworks, 6,900 hp w/ 50.8 mm Drilling Line, Max Pull (14 Lines) 907 mt
Compensator	NOV Crown-Mounted Compensator, rated for 454 mt compensated, 998 mt static
Rotary Table	(MNOV RST-755 75-1/2 in. Rotary Table, rated for 907 mt rotating, 1,247 mt static) AKMH Wirth RTSS 60 1/2" hydraulic, 1,000 st (908 mt).
Top Drive	NOV TDX-1000, rated for 907 mt hoisting capacity, 2 x 1,150 hp AC motors, Max Continuous Torque 123,380 Nm @ 116 rpm, 203,373 Nm Break-out Torque
Tubular Handling	1 x NOV Pipe Handling Crane, rated for 3.5 mt - 12 mt, 1 x NOV Pipe Handling Catwalk for up to 965 mm OD tubular (38 in.) x 15.24 m (50 ft.) long, 2 x NOV ARN-270 Hydratong, 2 x Hydraracker IV
Mud Pumps	4 x NOV 14P-220 Mud Pumps, 2,200 hp ea.
HP Mud System	Rated for 517 bar (7,500 psi)
Solids Control	6 x Brandt NOV VSM Multi-Sizer Shale Shakers

Power & Machinery

Main Power	8 x Caterpillar C280-16, 5,730 kW (7,684 hp) Diesel Engines w/ 8 x ABB 6,875 kVA Generators
Emergency Power	Main Engines classed as Emergency Generators
Power Distribution	4 x 11kV/60Hz ABB Switchgear (1,2,3,4 Split), 8 x ABB (12 pulse) Thruster VFD Switchboards, 4 x ABB (2 split / 24 pulse, 4 split / 12 pulse) Drilling VFD Switchboards, 690 VAC Marine/Drilling Utilities, 440 VAC Galley/Laundry/Workshop Equipment, 230 VAC Lighting/Small Power

Storage Capacities

Fuel Oil	6,200 m ³
Liquid Mud	334 m ³ Active / 1,954 m ³ Reserve
Base Oil	847 m ³
Brine	762 m ³
Drill Water	2,962 m ³
Potable Water	1,165 m ³
Bulk Material	350 m ³ (Barite/Bentonite), 350 m ³ (Cement), 60 m ³ (CaCO ₃)
Sack Storage	8,800 (22.7 kg) sacks

BOP & Subsea Equipment

BOP Rams	1 x NOV Shaffer 1,034 bar (15,000 psi), 18-3/4 in., 6 Rams (2 x BSR, CSR, 2 x VBR, 5-7/8 in. fixed)
BOP Annulars	2 x Shaffer 18-3/4 in., 689 bar (10,000 psi) Annular Preventer
WH Conector	Vetco SHD H-4 18-3/4 in.
BOP Handling	BOP Moonpool Trolley rated for 560 mt, BOP Gantry Crane 2 x 275 mt with 2 x 35 mt, Independent BOP and X-Tree Handling
Marine Riser	NOV, 22.8 m (75 ft.) long, 533 mm (21 in.) OD, 102 mm (4 in.) Boost Line
Tensioners	8 x NOV Dual Wireline Riser Tensioners, 102 mt capacity each, 19.8 m (65 ft.) line travel
Diverter	NOV Annular-type Diverter, Max Bore 21-1/4 in.
Tree Handling	X-mas Tree Handling Crane, 2 x 75 mt (150 mt total) with 5 mt Aux Chain Hoist, 2 x 150 mt X-mas Tree Skid Carts, 1 x 100 mt X-mas Tree Elevator, Above Deck Tree Guiding System
Moonpool	27.8 m length x 9 m width; outfitted with NOV Under Hull BOP Guidance System

Station Keeping / Propulsion System

Thrusters	8 x Rolls Royce UUC 405FP, 5,600 hp azimuthing thrusters
DP System	Kongsberg Dynamic Positioning System (DP 3)
Mooring System	8 x 2,200 m + 4 x 450 m, Pre-lay 84 mm chain mooring lines, 4 x Triple Rolls Royce 920 hp Electric VFD Anchor Winches

Cranes

Cranes	2 x Kenz Lattice Boom Elec-Hyd Pedestal Crane, rated for 100 mt @ 10 - 17.5 m
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Other Information

Helideck	Rated for S-92, EH-101, AW-101 helicopters
Other	Winterized, Capacity for 2nd BOP Stack, Trip Saver 1,000 mt Hang-off capacity

Revision Date: 23 May 2018

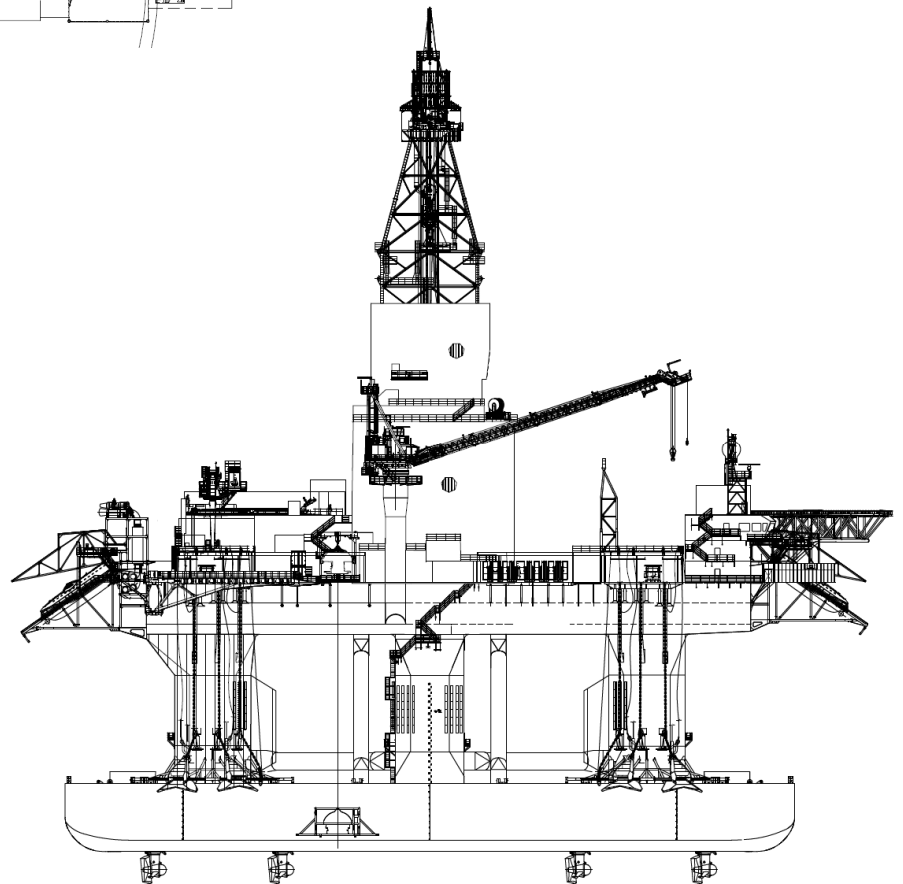
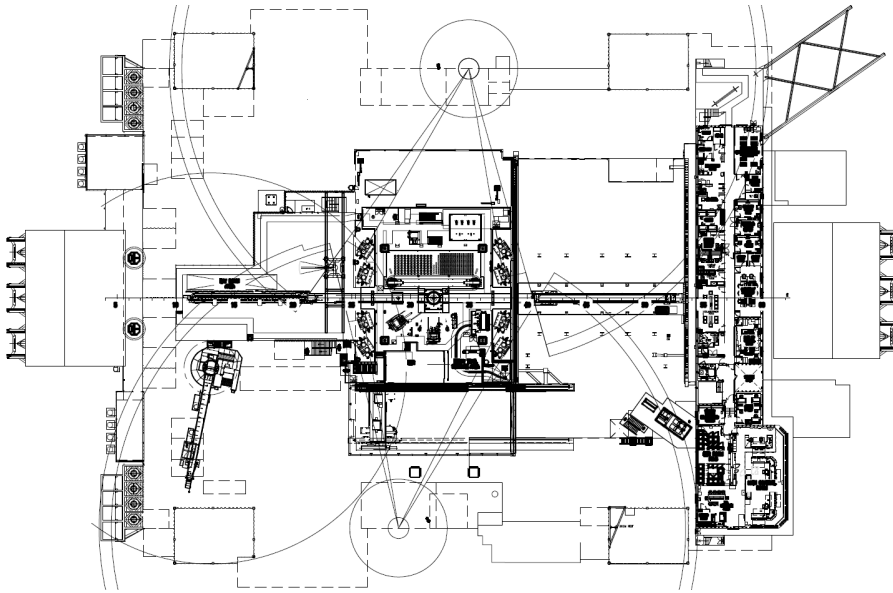


These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating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