TRANSOCEAN NORGE

HARSH-ENVIRONMENT SEMI-SUBMERSIBLE

GENERAL DESCRIPTION

Design / Generation	Moss Maritime CS60 / 6th Generation
Constructing Shipyard	Jurong Shipyard Pte. Ltd. (Singapore)
Year Entered Service / Significant Upgrades	2019
Classification	DNV-GL ✠1A1, Column-Stabilized Drilling Unit(N), Crane(N), DRILL(N), DYNPOS(AUTRO), E0, HELDK-(S,H,CAA-N), POSMOOR(ATAR)
Flag	Marshall Islands
Dimensions	402 ft. (122.6 m) long x 309 ft. (94.2 m) wide
Drafts	77 ft. (23.5 m) operating / 36 ft. (11 m) transit
Accommodation	150 persons
Displacement	84,857 st. (76,981 mt) operating / 58,454 st. (53,029 mt) transit
Variable Deck	8,267 st. (7,500 mt) operating / 7,716 st. (7,000 mt) transit
Transit Speed	up to 8 knots
Maximum Water Depth	9,843 ft. (3,000 m) designed / 3,280 ft. (1,000 m) outfitted
Maximum Drilling Depth	40,000 ft. (12,200 m)



DRILLING EQUIPMENT

Derrick	NOV Type SDBN-1100 Derrick, 213 ft. (64 m) high (clear internal), with 49 ft. (15 m) long, 52.5 ft. (16 m) wide base, partly enclosed with cladding up to 9.85 ft. (3 m) above Fingerboard Level
Hook Load Capacity	1,000 st. (907 mt) capacity
Drawworks	NOV-SSGD Drawworks, 6,900 hp with 50.8 mm drilling line, max pull (14 lines) 1,000 st. (907 mt)
Compensator	NOV Crown-Mounted Compensator, rated for 500 st. (454 mt) compensated, 1,100 st. (998 mt) static
Rotary Table	NOV RST-755 75-1/2" rotary table, rated for 1,000 st. (907 mt) rotating, 1,375 st. (1,247 mt) staticain AKMH Wirth RTSS 60-1/2" hydraulic, 1,000 st. (908 mt)
Top Drive	NOV TDX-1000, rated for 1,000 st. (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 3.85 st. (3.5 mt) – 13.2 st. (12 mt), 1 x NOV Pipe Handling Catwalk for up to 965 mm OD tubular (38") 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 each
HP Mud System	Rated for 517 bar (7,500 psi)
Solids Control	6 x Brandt NOV VSM Multi-Sizer shale shakers

CRANES

Cranes	2 x Kenz Lattice Boom Elec-Hyd Pedestral Crane, rated for 110 sst. (100 mt) @ 32.8 (10) – 57.4 ft. (17.5 m)

POWER AND MACHINERY

Main Power	8 x Caterpillar C280-16 5,730 kW (7,684 hp) diesel engines with 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 lightning / small power

STORAGE CAPACITIES

Fuel Oil	38,997 bbl (6,200 m3)
Liquid Mud	2,101 bbl (34 m3) active / 12,290 bbl (1,954 m3) reserve
Base Oil	5,327 bbl (847 m3)
Brine	4,793 bbl (762 m3)
Drill Water	18,630 bbl (2,962 m3)
Potable Water	7,328 bbl (1,165 m3)
Bulk Material	4,780 cu. ft. (760 m3)
Sack Storage	8,800 (22.7 kg) sacks

BOP AND SUBSEA EQUIPMENT

BOP Rams	1 x NOV Shaffer 1,034 bar (15,000 psi), 18-3/4" 6 rams (2 x BSR, CSR, 2 x VBR, 5-7/8" fixed
BOP Annulars	2 x Shaffer 18-3/4" 689 bar (10,000 psi) Annular Preventer
WH Connector	Vetco SHD H-4 18-3/4"
BOP Handling	BOP Moonpool Trolley rated for 617 st. (560 mt), BOP Gantry Crane 2 x 303 st. (275 mt) with 2 x 38 st. (35 mt), independent BOP and X-tree handling
Marine Riser	NOV 22.8 m (75 ft.) long, 533 mm (21") OD, 102 mm (4") boost line
Tensioners	8 x NOV Dual Wireline Riser Tensioners, 112 st. (102 mt) capacity each, 19.8 m (65 ft.) line travel
Diverter	NOV annular-type diverter, max bore 21-1/4"
Tree Handling	X-mas Tree Handling Crane, 2 x 82 st. (75 mt) with 5.5 st. (5 mt) aux chain hoist, 2 x 165 st. (150 mt) X-mas Tree Skid Carts, 1 x 110 st. (100 mt) X-mas Tree Elevator, above deck tree guiding system
Moonpool	91 ft. (27.8 m) length x 29.5 ft. (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 7,217 ft. (2,200 m) + 4 x 1,476 ft. (450 m), pre-lay 84 mm chain mooring lines, 4 x triple Rolls Royce 920 hp electric VFD anchor winches

OTHER INFORMATION

Helideck	Rated for S-92, EH-101, AW-101 helicopters
Other	Winterized, capacity for 2nd BOP stack, trip saver at 1,102 st. (1,000 mt) hang-off capacity

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.

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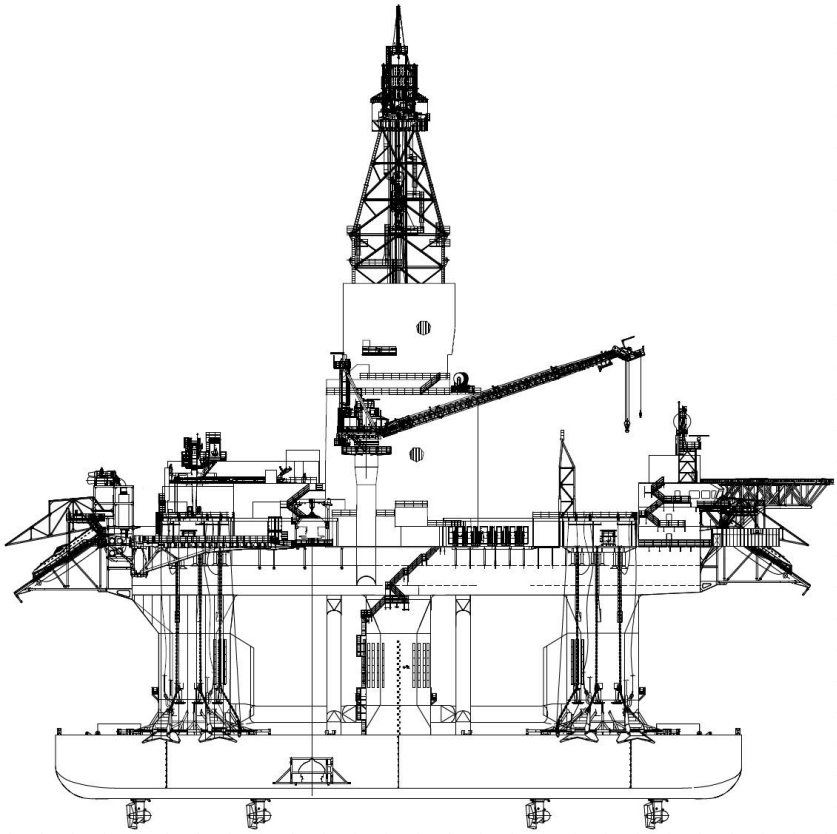
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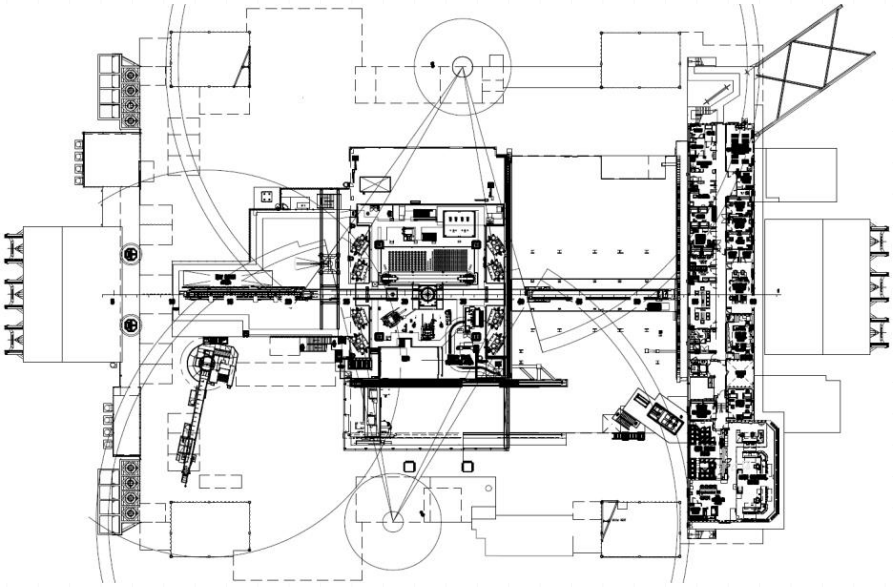
1414 Enclave Parkway, Houston, TX 77077, USA | Phone: + 1-713-232-7500 | Fax: + 1-713-232-7800 | marketing@deepwater.com | www.deepwater.com

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1414 Enclave Parkway, Houston, TX 77077, USA | Phone: + 1-713-232-7500 | Fax: + 1-713-232-7800 | marketing@deepwater.com | www.deepwater.com

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