



ENSCO DS-8

GENERAL INFORMATION

Flag:	Marshall Islands
Previous Name(s):	N/A
Year Built:	2015
Builder:	Samsung
Upgrade:	N/A
Design:	SAMSUNG GF12000
Classification:	ABS A1E DP3

MAIN DIMENSIONS

Length:	754.5 ft
Breadth:	124.6 ft
Depth:	60.7 ft
Moon Pool:	35 ft x 81 ft

DRAFT AND DISPLACEMENT

Operating Draft:	11 m
Displacement:	78,463 mt (operating)

MACHINERY

Main Power:	6 x Wartsilla 16V 32/40 7,680 kW diesel main engines coupled with ABB x 7,000 kW AC generators
Power Distribution:	ABB
Emergency Power:	1 x STX-Cummins x 1,700 kW diesel engine driving an STAMFORD AC generator x 1,700 kW x 1,800 rpm

OPERATING PARAMETERS

Water Depth:	12,000 ft (Maximum)
Drilling Depth:	40,000 ft (Maximum)
Transit Speed:	13.7 knots
Survival Conditions:	47 ft waves; 100 knots

DRILLING EQUIPMENT

Derrick:	NOV Dual Dynamic Derrick x 80 ft x 60 ft x 210 ft clear height, static hook load 2,500,000 lbs single hook, 3,500,000 lbs simultaneously
Drawworks:	2 x NOV Drecto Main AHD-1250-9000 x 6 GEB28A1 x 1,500 HP AC Motors Aux AHD-1000-6900 x 5 GEB22A5 x 1,150 HP AC Motors
Rotary:	2 x NOV Main RST-75 1/2" hydraulically driven x 1,133 mt, Aux RST-60 1/2" x 907 mt hydraulic drive feature 2 x NOV TDX-1250
Top Drive:	2,300 HP BHI Electric Seahawk cement unit
Mud Pumps:	4 x NOV triplex mud pumps 14-P-220 x 2,200 HP belt driven x 2 GEB22D4 x 1,150 HP AC motors
Handling:	2 x NOV Hydralift "Hydraracker IV" Column Rackers; 2 x NOV ARN 200 Hydratong "IR"; 1 x NOV Torquemaster 8045 bucking machine
Cementing:	2,300 HP BHI Electric Seahawk cement unit
Drill Pipe:	7500 m of 5-7/8" DP Range 3 with VAM CDS connections 3000 m of 6-5/8" DP Range 3 with API 6-5/8" FH connections 2000 m of 3-1/2" DP Range 3 with VAM CDS connections
HWDP:	27 joints of 5-7/8", 30 joints of 6-5/8"
Drill Collar:	9 joints of 9-1/2", 24 joints of 8-1/4", 30 joints of 6-1/2"

HOISTING EQUIPMENT

Cranage:	2 x NOV Hydralift Knuckle Boom Cranes, 85 mt @ 59 ft & 17 mt @ 137 ft, 1 x NOV Lattice Boom Crane, 85 mt @ 26 ft & 7 mt @ 161 ft; 1 x NOV Hydralift Active Heave Compensated Knuckle Boom Crane, 165 mt and capable of running 100 mt loads to 10,000 ft, 1 x Pipe Handling Knuckle Boom Crane with gripper yoke for 2-7/8" to 20"; 2 x Subsea Gantry Cranes x 75 mt, 3 x Riser Gantry Cranes
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CAPACITIES

Variable Deck Load:	22,000 mt, 17,000 mt during transit
Tubulars in Pipe Rack:	1 x NOV Hydralift Tubular Catwalk Machine for tubular up to 36" diameter, 45 ft long, and 10 mt
Total Drilling Load:	
Liquid Mud:	21,335 bbl
Barite/Bentonite:	24,150 ft ³
Bulk Cement:	24,150 ft ³
Drill water:	22,424 bbl
Potable Water:	10,130 bbl
Brine Storage:	9,572 bbl
Base Oil Capacity:	7,558 bbl
Fuel:	44,306 bbl
Sacks:	10,000 sacks

WELL CONTROL SYSTEMS

BOP:	1 x NOV Shaffer BOP Stack x 18 3/4" x 15,000 psi working pressure x 7 Ram cavities, 2 x annular x 18 3/4" x 10,000 psi
BOP Handling:	1 x NOV BOP Gantry Crane, rated 2 x 220 mt; 1 x NOV BOP Trolley x 540 mt
Control System:	1 x Shaffer 6 th generation Multiplex BOP Control system x 12,000 ft water depth, complete with BOP control unit satisfying API 16D Specification
Choke and Kill:	1 x Anson 3-1/16" x 15,000 psi upstream, 10,000 psi downstream working pressure Manifold, with 2 manual, 2 remote operated chokes, and glycol injection system, rated for H ₂ S sour service. Split buffer chamber, Dual port/starboard high pressure emergency overboard lines
Diverter:	75 1/2" x NOV Shaffer CSO x 500 psi

HELIDECK:

Size:	74.8 ft octagonal
Load Capacity:	14.6 mt
Design:	Design for EH-101 Helicopters

ACCOMMODATION:

200 persons

ADDITIONAL DATA

Thrusters:	6 x Rolls Royce 5.5 MW (33 MW total) underwater dismountable fully azimuthing thrusters with fixed blade propellers and nozzles (All thrusters are fully retractable)
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