



VALARIS DS-4

(ENSCO DS-4)

Samsung A1E DPS 3 Drillship • Year in Service: 2010

DESIGN

Design
Samsung 96k Drillship

Shipyard Delivery
2010

Shipyard
Samsung Heavy Industries,
Geoje, South Korea

Classification Agency
ABS

Flag State
Marshall Islands

Drilling Systems
NOV

Subsea Systems
NOV

PROPULSION & POWER

DP Class
DPS-3

Main Engines
(6) Man B&W 8,000 kW

Emergency Power
1,700 kW

Thrusters
(6) Rolls-Royce azimuthing type,
5.5 MW each

DRILLING EQUIPMENT

Derrick
NOV Dynamic Derrick 2,000,000 lbs

Top Drives
Main: NOV HPS 1000, 1,000 T
Aux: NOV HPS 1000, 1,000 T

Drawworks
Main: NOV Dreco SSGD- 1000 st, 5,750 hp
Aux: NOV Dreco SSGD- 1000 st, 5,750 hp

Rotary Table
Main: 75½", 1,000 T
Aux: 60½", 1,000 T

Motion Compensator
Main: NOV CMC-1000-25 Heave Motion
Compensator; CMC/AHC-1000/25T-25
Active Heave Motion Compensator
Aux: NOV CMC-1000-25 Heave Motion
Compensator; CMC/AHC-1000/25T-25
Active Heave Motion Compensator

Iron Roughnecks
(2) 3½" - 20"

GENERAL SPECIFICATIONS

Length Overall
751.3ft

Breadth
137.8ft

Depth at Side
62.3ft

Draft (Max. Operating)
39.3ft

Displacement
96,000 MT

Rated Max. Water Depth
12,000ft

Moonpool, Opening at Baseline
41ft x 84ft

Max. Drilling Depth
40,000ft

Variable Deck Load
20,000 MT

Heliport
Sikorsky S61 / Augusta-
Westland EH101 helicopters

Accommodations
200 persons

Changes / modifications to the above listed equipment could occur.

Maximum Water Depth denotes the designed rating, pending site specific assessment.

Should you have specific questions, please contact the Marketing Department at: marketing@valaris.com



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■ CAPACITIES

Diesel Fuel Oil
34,500 bbl

Drillwater
16,300 bbl

Liquid Mud
15,000 bbl

Bulk Storage
Barite: 452 m³
Cement: 532 m³

Fresh Water
8,100 bbl

Base Oil
2,800 bbl

Brine/Completion Fluid
7,000 bbl

■ WELL CONTROL & MUD SYSTEM

Mud Pumps
(4) 14-P-220, 2,200 hp

Mud System Pressure
7,500 psi

Shale Shakers
(6) Axiom AX-1

BOP Stack #1
(2) 10,000 psi Annulars
(6) ram 15,000 psi BOP"

BOP Stack #2
Single Stack

Control System
NOV 5th gen multiplex

Diverter
74" 500 psi

Choke Manifold
15,000 psi upstream, 10,000 psi
downstream, H₂S rated, (2) auto,
(2) manual, (1) by-pass choke design

■ RISER SYSTEMS

Riser
GE Vetco MR-6H SE 3.5m lbs,
21 ¾" OD, 75 ft joints

Riser Tensioning
(16) 225,000 lbs each,
3,600,000 lbs total

Riser Length
8,550ft

Riser Handling
(1) riser gantry crane
(1) 45 MT riser catwalk machine
with tailing arm

■ HANDLING SYSTEMS

Cranes
(3) 85 MT; (1) 165 MT AHC, (1) 10 MT
(helideck service crane)

Tubular Handling
(1) NOV Piperack handler, (1) HTV,
(2) Hydrackers 3½" to 20"

BOP Handling
(1) 440 MT Hydralift Overhead
Crane with (1) Hydralift Moon pool
Cart rated 460 MT

Xmas Tree Handling
(2) 120 MT Xmas tree skids

Additional
(1) 120 MT Xmas tree carrier

■ LIFESAVING SYSTEMS

Lifeboats
(6) 70 persons

Rescue Boat
(1) davit launched

REVISED 7/2019

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