



VALARIS DS-7

(ENSCO DS-7)

ABS A1-E Samsung 96K Drillship • Year in Service: 2013

DESIGN

Design
Samsung

Shipyard Delivery
2013

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) STX MAN 8,000 kW

Emergency Power
1,700 kW

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

DRILLING EQUIPMENT

Derrick
Combined: 1,750 T
Main: 1,250 T
Aux: 1,000 T

Top Drives
Main: NOV AC 1,250 t
Aux: NOV AC 1,000 t

Drawworks
Main: NOV Dreco SSGD- 1,250 st, 6,900 hp
Aux: NOV Dreco SSGD- 1000 st, 5,750 hp

Rotary Table
Main: 75½", 1,250 st
Aux: 60½", 1,000 st

Motion Compensator
Main: NOV AHC for CMC-E compensator
Aux: NOV AHC for CMC-1000 compensator

Iron Roughnecks
(2) 2 3/8" - 20"

GENERAL SPECIFICATIONS

Length Overall
748.1ft

Breadth
137.8ft

Depth at Side
62.3ft

Draft (Max. Operating)
39.3ft

Displacement
96,000 MT

Rated Max. Water Depth
10,000ft

Moonpool, Opening at Baseline
84ft x 41ft

Max. Drilling Depth
40,000ft

Variable Deck Load
19,000

Heliport
Boeing BV234LR Chinook
tandem rotor 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
16,400 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) Brandt VSM-300

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

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

Control System
NOV 5th gen multiplex

Diverter
74" 500 psi

Choke Manifold
3-1/16", 15,000 psi / 10,000 psi wp,
2 manual chokes, 2 remote operated chokes
& hydraulic valves, with glycol injection
system, complete with full instrumentation

■ RISER SYSTEMS

Riser
GE Vetco MR-6H SE 3.5m lbs,
21 3/4" OD, 75 ft joints

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

Riser Length
9,900 ft

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,
maximum 12,000 ft. water depth;
(1) 20 MT (poop deck crane)

Tubular Handling
(2) Hydrarackers, 3 1/2" to 20"

BOP Handling
(1) 440 MT Hydralift Overhead Crane
with (1) BOP Carrier rated 540 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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