



# VALARIS DS-9

(ENSCO DS-9)

SAMSUNG 78k Drillship • Year in Service: 2015

## DESIGN

Design  
Samsung 78k Drillship

Shipyard Delivery  
2015

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) Wartsila 7,680 kW

Emergency Power  
1,700 kW

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

## DRILLING EQUIPMENT

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

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

Drawworks  
Main: NOV 1,250 st, 9,000 hp AHD  
Aux: NOV 1,000 st, 6,900 hp AHD

Rotary Table  
Main: 75 1/2", 1,250 st  
Aux: 60 1/2", 1,000 st

Motion Compensator  
Incorporated in with Active Heave Drawworks

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

## GENERAL SPECIFICATIONS

Length Overall  
754.5ft

Breadth  
124.6ft

Depth at Side  
60.7ft

Draft (Max. Operating)  
36.1ft

Displacement  
78,463 MT

Rated Max. Water Depth  
12,000ft

Moonpool, Opening at Baseline  
42ft x 81.37ft

Max. Drilling Depth  
40,000ft

Variable Deck Load  
22,000

Heliport  
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](mailto:marketing@valaris.com)



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## ■ CAPACITIES

Diesel Fuel Oil  
43,765 bbl

Drillwater  
16,825 bbl

Liquid Mud  
17,661 bbl

Bulk Storage  
Barite: 670 m<sup>3</sup>  
Cement: 670 m<sup>3</sup>

Fresh Water  
7,598 bbl

Base Oil  
7,988 bbl

Brine/Completion Fluid  
7,560 bbl

## ■ WELL CONTROL & MUD SYSTEM

Mud Pumps  
(5) 14-P-220, 2,200 hp

Mud System Pressure  
7,500 psi

Shale Shakers  
(6) Brandt VSM-300

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

BOP Stack #2  
(2) 10,000 psi Annulars,  
(7) ram 15,000 psi BOP

Control System  
NOV 5th gen multiplex

Diverter  
74" 500 psi

Choke Manifold  
15,000 psi upstream, 10,000 psi  
downstream, H<sub>2</sub>S 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  
10,050 ft

Riser Handling  
(2) below deck riser gantry cranes  
(1) riser catwalk machine with  
tailing arm  
(2) riser elevation system from  
bay to deck  
(1) riser bridge crane for joint  
transfer from elevation system  
to catwalk

## ■ HANDLING SYSTEMS

Cranes  
(2) 85 MT KBC, (1) 165mt AHC, (1)  
85 MT pedestal crane

Tubular Handling  
(1) NOV Piperack handler, (2)  
Hydrackers 3 ½" to 20"

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

Xmas Tree Handling  
Xmas Tree deck setback, (1) Xmas  
Tree overhead crane 150 MT

Additional  
(1) Xmas tree trolley with 350 MT for  
casing and guid base hang-off load

## ■ LIFESAVING SYSTEMS

Lifeboats  
(4) 60 persons  
(2) 80 persons

Rescue Boat  
(1) davit launched

REVISED 7/2019

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