



VALARIS DS-10

(ENSCO DS-10)

SAMSUNG GF12000 Drillship • Year in Service: 2017

DESIGN

Design
Samsung 78k Drillship

Shipyard Delivery
2017

Shipyard
Samsung Heavy Industries, South Korea

Classification Agency
ABS

Flag State
Marshall Islands

Drilling Systems
NOV

Subsea Systems
NOV

GENERAL SPECIFICATIONS

Length Overall
754.6ft

Breadth
124.7ft

Depth at Side
60.7ft

Draft (Max. Operating)
36.1ft

Displacement
77,000 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 MT

Heliport
EH101 Helicopters

Accommodations
200 persons

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"

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
42,020 bbl

Drillwater
16,800 bbl

Liquid Mud
16,279 bbl

Bulk Storage
Barite: 670 m³
Cement: 670 m³

Fresh Water
7,540 bbl

Base Oil
7,540 bbl

Brine/Completion Fluid
7,540 bbl

■ WELL CONTROL & MUD SYSTEM

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

Mud System Pressure
7,500 psi

Shale Shakers
(8) 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 6th 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
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) 480 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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