



VALARIS DS-12

DSME 12000 Double-Hull DP Drillship • Year in Service: 2013

DESIGN

Design
DSME 12000 Double Hull DP Drillship

Shipyard Delivery
2013

Shipyard
DSME Okpo shipyard - Geoje, South Korea

Classification Agency
DNV

Flag State
Marshall Islands

Drilling Systems
NOV

Subsea Systems
GE/Hydril

PROPULSION & POWER

DP Class
DPS-3

Main Engines
(6) HHI EMD 7,000 kW

Emergency Power
1,765 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

Rotary Table
Main: 75 ½", 1,250 st
Aux: 60 ½", 1,000 st

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

Motion Compensator
Main: 1,250 st CMC (locked)
+ 1,250 st AHD
Aux: 1,000 st CMC (locked)

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

Iron Roughnecks
(2) 3 ½" - 10"

GENERAL SPECIFICATIONS

Length Overall
780ft

Breadth
137.8ft

Depth at Side
62.3ft

Draft (Max. Operating)
39ft

Displacement
104,000 MT

Rated Max. Water Depth
12,000ft

Moonpool, Opening at Baseline
31.2ft x 72.6ft

Max. Drilling Depth
40,000ft

Variable Deck Load
23,000 MT

Heliport
S-61N, S-92, EH101

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
51,777 bbl

Drillwater
20,064 bbl

Liquid Mud
18,060 bbl

Bulk Storage
Barite: 510 m³
Cement: 340 m³

Fresh Water
10,280 bbl

Base Oil
5,126 bbl

Brine/Completion Fluid
6,500 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
Hydril 4th gen Mux

Diverter
74" 500 psi

Choke Manifold
15,000 psi working pressure, H₂S
rated, (2) auto and (2) manual
choke design

■ RISER SYSTEMS

Riser
Aker Clip 1,588 lbs min yeild,
21" OD, up to 75 ft joints

Riser Tensioning
(16) 250,000 lbs each,
4,000,000 lbs total

Riser Length
10,000 ft

Riser Handling
(2) riser handling yokes, 1 x NOV
Riser Catwalk Machine with tail in
arm and flatbed service cart"

■ HANDLING SYSTEMS

Cranes
(3) 100 MT KBC; (1) 165 MT AHC KBC

Tubular Handling
(1) pipe gripper, 1 x NOV Pipe Catwalk
Machine 15 MT x 50ft
length c/w tail-in arm

BOP Handling
(2) 250 MT overhead gantry cranes
with 520 MT BOP trolley

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
(6) 70 persons

Rescue Boat
(1) davit launched

REVISED 02/2020

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