



# VALARIS DS-13

DSME 12000 Double-Hull DP Drillship • Year in Service: 2019

## DESIGN

Design  
DSME 12000 Double Hull DP Drillship

Shipyard Delivery  
2019

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  
1,889 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 1/2", 1,250 st  
Aux: 60 1/2", 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 1/2" - 10"

## GENERAL SPECIFICATIONS

Length Overall  
780ft

Breadth  
137ft

Depth at Side  
62ft

Draft (Max. Operating)  
39ft

Displacement  
104,000 MT

Rated Max. Water Depth  
12,000ft

Moonpool, Opening at Baseline  
22.15ft x 9.75ft

Max. Drilling Depth  
40,000

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](mailto:marketing@valaris.com)



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## ■ CAPACITIES

Diesel Fuel Oil  
52,928 bbl

Drillwater  
20,064 bbl

Liquid Mud  
18,812 bbl

Bulk Storage  
Barite: 480 m<sup>3</sup>  
Cement: 320 m<sup>3</sup>

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, H<sub>2</sub>S  
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 7/2019

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