



VALARIS DS-16



GustoMSC P10,000 Drillship • Year in Service: 2014

DESIGN

Design
GustoMSC P10,000

Shipyard Delivery
2014

Shipyard
Hyundai Heavy Industries

Classification Agency
ABS

Flag State
Marshall Islands

Drilling Systems
NOV

Subsea Systems
Cameron

PROPULSION & POWER

DP Class
DPS-3

Main Engines
(6) Himsen 8,000 kW

Emergency Power
1,500 kW

Thrusters
(6) 5,000 kW azimuth type,
self-retracting canister

DRILLING EQUIPMENT

Derrick
Combined: 2,000 T
Main: 1,250 T
Aux: 750 T

Top Drives
Main: NOV AC 1,250 st
Aux: NOV AC 750 st

Drawworks
Main: 1,250 st, 9,000 hp active heave
Aux: 750 st, 5,750 hp active heave

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

Motion Compensator
Main: 1,250 st CMC (locked)
+ 1,250 st AHD
Aux: 750 st AHD (Incorporated in with
Active Heave Drawworks)

Iron Roughnecks
(2) 3 ½" - 20"

GENERAL SPECIFICATIONS

Length Overall
752ft

Breadth
118.1ft

Depth at Side
59.6ft

Draft (Max. Operating)
36.1ft

Displacement
69,900 MT

Rated Max. Water Depth
12,000ft

Moonpool, Opening at Baseline
73.5ft x 42ft

Max. Drilling Depth
40,000ft

Variable Deck Load
20,000

Heliport
Sikorsky S-92 or equiv.

Accommodations
210 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
47,605 bbl

Drillwater
18,602 bbl

Liquid Mud
20,265 bbl

Bulk Storage
Barite: 456 m3
Cement: 456 m3

Fresh Water
8,839 bbl

Base Oil
7,206 bbl

Brine/Completion Fluid
7,916 bbl

■ WELL CONTROL & MUD SYSTEM

Mud Pumps
(5) 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
CIW Mark-3 multiplex

Diverter
72" 500 psi

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

■ RISER SYSTEMS

Riser
Cameron "Load King" 3.5m
lbs, 21¼" OD, 1" wall
thickness
x 75 ft joints integrated
support ring
Riser Tensioning
(16) 250,000 lbs each,
4,000,000 lbs total

Riser Length
12,000 ft – below deck storage

Riser Handling
(2) riser gantry cranes (below
deck) fully redundant;
(1) 47 MT riser catwalk
machine with tailing arm
(1) riser elevation system from
bay to deck

■ HANDLING SYSTEMS

Cranes
(3) 100 MT; (1) 165 MT AHC,
maximum 12,000 ft. water depth;
(1) 20 MT (poop deck crane)

Tubular Handling
Dual Hydraracker, extended reach
(column type) 3½" to 14"

BOP Handling
(2) 270 MT overhead gantry cranes
with 600 MT BOP trolley, provides
full access to both BOP storage areas

Xmas Tree Handling
(2) 15 MT overhead gantry cranes
(2) 120 MT Xmas tree skids

Additional
(1) Riser Hang Off cart 1,000 MT /
Xmas tree trolley 120 MT

■ LIFESAVING SYSTEMS

Lifeboats
(6) 70 persons

Rescue Boat
(1) 6 persons

REVISED 7/2019

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