



saipem



SAIPEM 12000

DRILLING



SAIPEM 12000

SAMSUNG



TYPE

6th generation ultra deepwater drillship

DESIGN

Samsung

SHIPYARD

Samsung Heavy Industries

YEAR OF BUILT

2010

CLASSIFICATION

ABS ✕ A1, Drilling unit, (E), ✕ AMS, ✕ ACCU, ✕ CDS, ✕ DPS-3, SH-DLA

FLAG

Bahamas

WATER DEPTH

Up to 12,000 ft (3,658 m)

DRILLING DEPTH

35,000 ft (10,660 m)

STATION KEEPING

DP class 3

MAIN DIMENSIONS

Length overall: 228 m
Breadth, moulded: 42 m
Depth, moulded: 19 m
Operating draft: 12 m
Displacement: 96,000 t

CAPACITY

Variable deck load: 20,000 t

POWER SYSTEM GENERATORS

Six (6) STX 16V32/40, 8,000 kW each
approximate total power generation of 48,000 kW

THRUSTER

Six (6) azimuthal thrusters, 4,500 kW each

DERRICK

Double Derrick NOV
Height 200 ft
Static hook load 2,000,000 lbs each rig
simultaneous capacity 2,000 kips + 1,000 kips

MOTION COMPENSATOR ON DERRICK

Each rig is equipped with Croen motion compensator and Active Heave compensator

DRAWWORK

Two (2) NOV SSGD-5750, 5,750 HP each

TOP DRIVE

Two (2) NOV HPS-03 1000 2AC KT RD, rated capacity 1,000 st
Maximum continuous torque 94,000 ft.lbs
Working Pressure 7,500 psi

ROTARY TABLE

One (1) NOV RST 755, opening 75.1/2", rated capacity 1,000 st
One (1) NOV RST 605-2G, opening 60.1/2", rated capacity 1,000 st

MUD PUMPS

Four (4) NOV 14-P-220, 2,200 HP each
Fluid end working pressure 7,500 psi WP

MUD TANKS

Total capacity above 12,300 bbl

BOP

18.3/4" - 15,000 psi
Two (2) annular preventers
Six (6) ram cavities
Drill Pipe and Casing (up to 13.3/8") shearing capability

DIVERTER

20" - 500 psi

RISERS

21.1/12" OD, 90 ft length

CRANES

Four (4) NOV knuckle boom cranes, rated capacity 85 st

CREW FACILITIES

Air conditioned living quarters for 200 people

HELIDECK

Suitable for Sikorsky S-61 N

REMARKS

Two (2) NOV Vertical Column type capable to handle from 3.1/2" D.P. to 13.3/8" casing

IACMS: Integrated, automated control and monitoring system.

The drillship is designed to function as an integrated unit allowing all systems including propulsion, power management, power generation, fluid flow systems, fluid storage systems and drilling systems to be monitored and controlled via a single integrated monitoring and control network.

Equipped with EWT (Extended Well Testing)



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People, Skills, Equipment.

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