

The Auriga is a 7th generation ultra-deepwater drillship with operational history in the US Gulf of Mexico.

Further information: www.aquadrilloffshore.com



GENERAL (IMPERIAL)

Design	Samsung 1200
Built Year	2013 Samsung Heavy Industries
Flag	Panama
Classification	ABS

MAIN DIMENSIONS TECHNICAL

Length x breadth	748 ft X 137.8 ft
Max water depth	12,000 ft designed, 10,000 ft outfitted
Max Drilling depth	37,500 ft
Variable load	22,047 st drilling, 18,188 st transit
Helideck	Sikorsky S-92, MIL-MI-8
Accommodation	200 persons
Drafts	39.4 ft drilling, 27.9 ft transit
Displacements	106,000 st drilling, 71,500 st transit

DRILLING EQUIPMENT

Derrick	Dual NOV 210 ft x 80 ft x 60 ft 1250 + 1,000 st gross nominal capacity
Drawworks	Main: NOV dreco with 2" drill line max line pull 16 lines of 2,500,000 lbs AUX: NOV dreco with 2" drill line max line pull 14 lines 2,000,000 lbs
Top Drive	Main: NOV TDX 1250 rated for 1,250 st hoisting capacity, 2X 1,340 HP AC motors, max continuous torque 105,000 ft lbs at 125 RPM AUX: NOV TDX 1000 rated for 1,000 st hoisting capacity, 2x1,150 HP AC motors, max continuous torque 78,450 ft lbs
Pipe handling Rotary Table	NOV automated hydraracker Main: Varco RST 75.5" AUX: Varco RST 60.5"
Compensator	Main: NOV crown mounted rated for 766 st compensated, 1,250 st static AUX: NOV crown mounted rated for 500 st compensated, 1,000 st static
HP Mud System	Rated for 7,500 PSI

STORAGE CAPACITIES

Fuel	37,793 bbl
Drill water	15,362 bbl
Potable water	9,132 bbl
Active liquid mud	6,544 bbl
Reserve liquid mud	6,318 bbl
Barite/Bentonite	15,962 ft ³
Cement	15,962 ft ³

POWER

Main engines	6 X STX-MAN 16V32, 40 10,877 HP diesel engines
Main generators	6 X ABB 9,387 hp @ 0.8 p.f.
Emergency power	1 X MTU 2,145 HP 1 X Leroy Somer 1,350 kW generator

WELL CONTROL

Diverter	Shaffer max bore 21-1/4"
BOP	X NOV 18 3/4" 7 RAM 15,000 PSI
Annular	X Shaffer 18-3/4" 10,000 PSI
Wellhead Connector	Vetco SHD
Riser	Shaffer ft-h 90 ft length 21" OD, 4" ID boost line
Tensioners	8 X dual Shaffer 112.5, st capacity ea, 50 ft line travel

MUD SYSTEM

Mud pumps	4 X NOV 14-P-220, 2,200 HP
Shale shakers	6 X NOV VSM 300

LIFTING EQUIPMENT

Main crane	3 X NOV hydralift knuckle boom rated for 93.6 st at 62.3 ft radius
Christmas tree crane	NOV heave compensated knuckle boom rated for 181.9 st at 59 ft

STATION KEEPING

Dynamic Positioning Thrusters	Kongsberg class 3 6 X rolls Royce 6,035 HP azimuthing
Transit Speed	Up to 11.5 knots
Mooring winches	Harbor mooring only
Mooring lines	Harbor mooring only

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GENERAL (METRIC)

Design	Samsung 1200
Built Year	2013 Samsung Heavy Industries
Flag	Panama
Classification	DNV

MAIN DIMENSIONS TECHNICAL

Length x breadth	228 m x 42 m
Max water depth	3,660 m designed x 3,048 m outfitted
Max Drilling depth	11,433 m
Variable load	20,000 mt drilling x 16,500 mt transit
Helideck	Sikorsky S-92, MIL-MI-8
Accommodation	200 persons
Drafts	12 m drilling x 8.5 m transit
Displacements	96,189 mt drilling x 64, 882 mt transit

DRILLING EQUIPMENT

Derrick	Dual NOV 64 m tall 24.4 m x 18.3 m base 1,134 + 907 MT gross nominal capacity
Drawworks	Main: NOV dreco with 50.8 mm drill line max line pull 16 lines of 1,134 mt AUX: NOV dreco 50.8 mm drill line max line pull 14 lines 907 mt
Top Drive	Main: NOV TDX 1250 rated for 1,134 mt hoisting capacity, 2 x 999 kW AC motors, max continuous torque 142,360 Nm at 125 RPM AUX: NOV TDX 1000 rated for 907 MT hoisting capacity, 2x858 kW AC motors, max continuous torque 106,364 Nm
Pipe handling	NOV automated hydraracker
Rotary Table	Main : Varco RST 755 AUX : Varco RST 605
Compensator	Main: NOV crown mounted rated for 695 mt compensated, 1,134 mt static AUX: NOV crown mounted rated for 454 mt compensated, 907 mt static
HP Mud System	Rated for 517 bar

STORAGE CAPACITIES

Fuel	6,009 M ³
Drill water	2,442 M ³
Potable water	1,452 M ³
Active liquid mud	1,040 M ³
Reserve liquid mud	1,004 M ³
Barite/Bentonite	452 M ³
Cement	452 M ³

POWER

Main engines	6 X STX-MAN 16V32, 40 8,000 kW diesel engines
Main generators	6 X ABB 7,000 KW @ 0.8 p.f.
Emergency power	1 X mtu 1,600 kW diesel engine 1 X Leroy Somer 1,350 kW

WELL CONTROL

Diverter	Shaffer ft-h 27.43 m length
BOP	2 X NOV 47.625 CM 7 RAM 1,034 bar
Annular	2 X Shaffer DL 47.625 CM 689 bar
Wellhead Connector	Vetco SHD
Riser	Shaffer ft-h 27.43 m length 0.5334 m OD 10.16 boost line
Tensioners	8 X dual Shaffer 102 mt capacity ea, 15.24 m line travel

MUD SYSTEM

Mud pumps	4 X NOV 14-P-220 1,640 kW
Shale shakers	6 X NOV VSM 300

LIFTING EQUIPMENT

Main crane	3 X NOV hydalift knuckle boom rated for 85 mt at 19 m radius
Christmas tree crane	NOV heave compensated knuckle boom rated for 165 mt at 18 m

STATION KEEPING

Dynamic Positioning Thrusters	Kongsberg class 3 6 X rolls Royce 6,035 HP azimuthing
Transit Speed	Up to 5.9 m/s
Mooring winches	Harbor mooring only
Mooring lines	Harbor mooring only

AURIGA

