

WEST AQUARIUS

The West Aquarius is a 6th generation ultra-deepwater semi-submersible drilling rig capable of operations in both harsh and benign environments.



GENERAL (U.S)

Built	2008 DSME
Design	GVA 7500
Flag / Class / Notations	Panama / DNV / 1A1, DP3
Dimensions	386.8 ft Long / 317.3 ft Wide
Drafts	75 ft Drilling / 32.6 ft Transit
Displacements	60,757 st Drilling, 41,876 st Transit
Variable Load	7,714 st Drilling / 6,888 st Transit
Accommodation	180 Persons
Helideck	Sikorsky S61N & S92
Max. Water Depth	10,000 ft Designed / 10,000 ft Outfitted
Max. Drilling Depth	35,000 ft

STATION KEEPING

Dynamic Positioning	Dynpos Auto, Posmoor ATA, DP Class 3
Thrusters	8 x Rolls Royce 4,694 HP Azimuthing
Transit Speed	Up to 6 Knots
Mooring Lines	8 x 5,577 ft 3.3" Chain
Mooring Winches	4 x Double Pusnes 603 HP

STORAGE CAPACITIES

Fuel	21,309 bbl
Drill Water	16,416 bbl
Potable Water	3,283 bbl
Active Liquid Mud	5,202 bbl
Reserve Liquid Mud	11,598 bbl
Bulk Bentonite / Barite	21,895 ft3
Bulk Cement	9,888 ft3
Sack Storage (50 LB Sacks)	7,500 Sacks

DRILLING PACKAGE

Derrick	AKMH 203 ft Tall with 46 ft x 52 ft Base Gross 2,000,000 lbs
Top Drive	MH DDM 1000 Rated for 1,000 st Hoisting Capacity, 2 x 1,150 HP AC Motors, Max. Continuous Torque 94,800 ft-lbs at 125 RPM
Drawworks	Wirth GH 4500 w/ 2" Drill Line Max. Line Pull 14 Lines of 2,284,000 lbs
Rotary Table	Wirth RTSS 60 ½"
Compensator	MH Crown Mounted Rated for 1,000,000 lbs Compensated, 2,000,000 lbs Static
Tubular Handling	MH Hi-Pro Automated Racking System
Offline Capability	Offline Stand Building Arm / SBHRN
Mud Pumps	4 x Wirth TPK 7-1/2" x 14" 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	6 x Swaco BEM 650

SUBSEA EQUIPMENT

BOP	1 x Cameron 18 ¾" 5 RAM 15,000 psi
Annular	2 x Cameron DL 18 ¾" 10,000 psi
Diverter	Hydril 59-1/2"
Riser	Cameron LK 75 ft Length 21" OD, 4" ID Boost Line
Tensioners	6 x MH DATs Max. Total Tension Applied at Ring 1,800 st, 50 ft Stroke
Wellhead Connector	VETCO SHD-H4

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CRANES

Pedestal Cranes	2 x Seatrax Rated for 110 st at 82 ft Radius
Pipe Handling Crane	1 x AKMH Rated for 16 st at 49-82 ft Radius
X-Mas Tree Handling	4 x 83 st SWL Skids for Storage and Stack up on Cellar Deck on X-mas Tree Skid of 220 st SWL

POWER

Main Engines	8 x Wartsila 6,312 HP at 720 RPM
Main generators	8 x ABB 6,312 HP
Total power	Main Generators Classified as Emergency Generators

OTHER INFORMATION

Harsh Environment