

West Eclipse

The West Eclipse is a 6th generation ultra-deepwater semi-submersible drilling rig with operational history offshore Africa.



GENERAL (U.S.)

Built	2011 Jurong Shipyard Singapore
Design	Friede & Goldman ExD Millenium
Flag / Class / Notations	Panama / ABS / CDS, DPS2
Dimensions	397.6 ft Long / 298.2 ft Wide
Drafts	55.8-65.6 ft Drilling / 27.4 ft Transit
Displacements	47,578-51,261 st Drilling 36,334 st Transit
Variable Load	8,818 st Drilling / 6,283 st Transit
Accommodation	180 Persons
Helideck	Sikorsky S92, EH101
Max. Water Depth	10,000 ft Designed / 7,500 ft Outfitted
Max. Drilling Depth	40,000 ft

STATION KEEPING

Dynamic Positioning	Kongsberg K-Pos 32+12 Class 2
Thrusters	8 x Wartsilla 5096 HP Azimuthing
Transit Speed	Up to 8 Knots
Mooring Lines	Harbor Mooring Only
Mooring Winches	Harbor Mooring Only

STORAGE CAPACITIES

Fuel	23,036 bbl
Drill Water	14,615 bbl
Potable Water	11,005 bbl
Active Liquid Mud	7,051 bbl
Reserve Liquid Mud	11,883 bbl
Bulk Bentonite / Barite	18,575 ft3
Bulk Cement	16,845 ft3
Sack Storage (50 LB Sacks)	6,100 Sacks

DRILLING PACKAGE

Derrick	Maritime Hydraulic 210 ft Tall with 46 ft x 52 ft Base Gross 2,500,000 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 2,649,208 lbs
Rotary Table	Wirth RTSS 60 1/2"
Compensator	MH Crown Mounted Rated for 1,500,000 lbs Compensated, 2,500,000 lbs Static
Tubular Handling	MH Hi-Pro Automated Racking System
Offline Capability	Offline Stand Building Arm / SBHRN
Mud Pumps	4 x Wirth TPK 2,200 HP
HP Mud System	Rated for 7,500 psi

SUBSEA EQUIPMENT

BOP	1 x Cameron 18 3/4" 6 RAM BSR, CSR, VBR, VBR, VBR, Inverted VBR 15,000 psi
Annular	2 x Cameron DL 18 3/4" 10,000 psi
Diverter	VETCO KFDS CSO 60 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	Cameron EVO with Adapter to Fit Onto Standard 27" H-4 Wellhead

CRANES

Pedestal Cranes	2 x Seatrax Rated for 110 st at 82 ft Radius
Pipe Handling Crane	1 x McGregor Hydramarine as Rated for 16 st at 49-82 ft Radius
X-Mas Tree Handling	2 x 82 st, 165 st Total

POWER

Main Engines	8 x Caterpillar C280-16, 6,785 HP at 800 RPM
Main Generators	8 x ABB 6,435 HP
Emergency Power	1 x Caterpillar 3512 B Diesel Engine 1 x Leroy Somer 1,743 HP Generator

OTHER INFORMATION

Trip Saver	AKMH Tripsaver. Temporarily Store BOP on Tensioners in Moonpool While Top Hole is Drilled
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Further information: +47 51 30 90 00 – www.seadrill.com

The above information is intended for general reference only. All equipment and specifications are subject to change at any time. Revised October 2018.

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GENERAL (METRIC)

Built	2011 Jurong Shipyard Singapore
Design	Friede & Goldman ExD Millenium
Flag / Class / Notations	Panama / ABS / CDS, DPS2
Dimensions	121.2 m Long / 90.9 m Wide
Drafts	17-20 m Drilling / 8.35 m Transit
Displacements	43,162-46,503 mt Drilling / 32,962 mt Transit
Variable Load	8,000 mt Drilling / 5,700 mt Transit
Accommodation	180 Persons
Helideck	Sikorsky S92, EH101
Max. Water Depth	3,048 m Designed / 2,286 m Outfitted
Max. Drilling Depth	12,195 m

STATION KEEPING

Dynamic Positioning	Kongsberg K-Pos 32+12 Class 2
Thrusters	8 x Wartsilla 3,800 kW Azimuthing
Transit Speed	Up to 4 m/s
Mooring Lines	Harbor Mooring Only
Mooring Winches	Harbor Mooring Only

STORAGE CAPACITIES

Fuel	3,662 m3
Drill Water	2,324 m3
Potable Water	1,696 m3
Active Liquid Mud	1,121 m3
Reserve Liquid Mud	1,889 m3
Bulk Bentonite / Barite	526 m3
Bulk Cement	477 m3
Sack Storage (50 LB Sacks)	6,100 Sacks

DRILLING PACKAGE

Derrick	Maritime Hydraulic 64 m Tall with 14 m x 16 m Base Gross 1,133,980 Kg
Top Drive	MH DDM 1000 Rated for 907 mt Hoisting Capacity, 2 x 858 kW AC Motors, Max .Continuous Torque 128,532 nm at 125 RPM

Drawworks	Wirth Gh 4500 w/ 50.8 mm Drill Line Max. Line Pull 14 Lines of 1,202 mt
Rotary Table	Wirth RTSS 153.7 cm
Compensator	MH Crown Mounted Rated for 680 mt Compensated, 1,134 mt Static
Tubular Handling	MH Hi-Pro Automated Racking System
Offline Capability	Offline Stand Building Arm / SBHRN
Mud Pumps	4 x Wirth TPK 1,640 kW
HP Mud System	Rated for 517 Bar

SUBSEA EQUIPMENT

BOP	1 x Cameron 6 RAM BSR, CSR, VBR, VBR, VBR, Inverted VBR, 1,034 Bar
Annular	2 x Cameron DL 47.625 cm 689 Bar
Diverter	VETCO KFDS CSO 1.5367 m
Riser	Cameron LK 22.86 m Length 0.5334 m OD 10.16 ID Boost Line
Tensioners	6 x MH DATs Max. Total Tension Applied at Ring 1,633 mt, 15.24 m Stroke
Wellhead Connector	Cameron EVO w/Adapter to Fit onto Standard 68.58 cm H-4 Wellhead

CRANES

Pedestal Cranes	2 x Seatrax Rated for 100 mt at 25 m Radius
Pipe Handling Crane	1 x Mcgregor Hydramarine as Rated for 15 mt at 15-25 m Radius
X-Mas Tree Handling	2 x 75 mt, 150 mt Total

POWER

Main Engines	8 x Caterpillar C280-16 / 5,060 BKw at 800 RPM
Main Generators	8 x ABB 11 KV, 6000KVA, 4800 EKw
Emergency Power	1 x Caterpillar 3512 B Diesel Engine 1 x Leroy Somer 1,300 kW Generator

OTHER INFORMATION

Trip Saver	AKMH Tripsaver. Temporarily Store BOP on Tensioners in Moonpool While Top Hole is Drilled
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