

WEST HERCULES

The west hercules 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
Draft	75 ft Drilling / 32.6 ft Transit
Displacement	57,304 st Drilling / 41,876 st Transit
Variable Load	5,730 st Drilling / 4,188 st Transit
Accommodations	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 7 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 ft ³
Bulk Cement	9,888 ft ³
Sack Storage	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 1/2"
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 3/4" 5 RAM 15,000 psi
Annular	2 x Cameron DL 18 3/4" 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	Cameron SHD C-Pro VX

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
Emergency Power	Main Generators Classified as Emergency Generators

OTHER INFORMATION	
Winterized	
Harsh Environment	

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 17 July 2015.

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GENERAL (METRIC)	
Built	2008 DSME
Design	GVA 7500
Flag/Class/Notations	Panama / DNV / 1A1, DP3
Dimensions	117.9 m Long / 96.7 m Wide
Draft	23 m Drilling / 9.94 m Transit
Displacement	52,000 mt Drilling / 38,000 mt Transit
Variable Load	5,200 mt Drilling / 3,800 mt Transit
Accommodations	180 Persons
Helideck	Sikorsky S61N & S92
Max. Water Depth	3,000 m Designed / 3,000 m Outfitted
Max. Drilling Depth	10,670 m
STATION KEEPING	
Dynamic Positioning	Dynpos Auto, Posmoor ATA, DP Class 3
Thrusters	8 x Rolls Royce 3,500 kW Azimuthing
Transit Speed	Up to 3.6 M/S
Mooring Lines	8 x 1,700 m 84 mm Chain
Mooring Winches	4 x Double Pusnes 450 kW
STORAGE CAPACITIES	
Fuel	3,388 m ³
Drill Water	2,610 m ³
Potable Water	522 m ³
Active Liquid Mud	827 m ³
Reserve Liquid Mud	1,844 m ³
Bulk Bentonite / Barite	620 m ³
Bulk Cement	280 m ³
Sack Storage	7,500 Sacks
DRILLING PACKAGE	
Derrick	AKMH 62 m Tall with 14 m x 16 m Base Gross 907 mt
Top Drive	MH DDM 1000 Rated for 907 mt Hoisting Capacity, 2 x 858 kW AC Motors, Max. Continuous Torque 128,000 nm at 125 RPM

Drawworks	Wirth Gh 4500 w/ 50.8 mm Drill Line Max. Line Pull 14 Lines of 1,036 mt
Rotary Table	Wirth RTSS 153.7 cm
Compensator	MH Crown Mounted Rated for 454 mt Compensated, 907 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
Shale Shakers	6 x Swaco BEM 650
SUBSEA EQUIPMENT	
BOP	1 x Cameron 5 RAM 47.625 cm 1,034 Bar
Annular	2 x Cameron DL 47.625 cm 689 Bar
Diverter	Hydril 151.13 cm
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 SHD C-Pro VX
CRANES	
Pedestal Cranes	2 x Liebherr Bos 4200-80
Pipe Handling Crane	1 x AKMH Rated for 15 mt at 15-25 m Radius
X-Mas Tree Handling	4 x 75 mt SWL Skids for Storage and Stack Up on Cellar Deck on X-Mas Tree Skid of 200 mt SWL
POWER	
Main Engines	8 x Wartsila 4,707 kW at 800 RPM
Main Generators	8 x ABB 4,707 kW
Emergency Power	Main Generators Classified as Emergency Generators
OTHER INFORMATION	
Winterized	
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