Seadrill

West Neptune

The West Neptune is a 7th generation ultra-deepwater dual activity drillship with operational history in the U.S. Gulf of Mexico.

GENERAL (U.S.)

Built	2014 Samsung, South Korea
Design	Samsung 12,000
Flag/Class	Panama / ABS
Dimensions	748 ft x 137 ft
Draft	27.9 ft (transit) 39.4 ft (operating)
Displacement	96,500 st (at loadline)
Variable Load	18,150 st (transit) 22,000 st (drilling)
Accommodations	200
Helideck	Sikorsky S92 & MIL-Mi-8, 14.3 st
Max. Water Depth	12,000 ft design
Max. Drilling Depth	37,500 ft

STATION KEEPING

Dynamic Positioning	DPS-3
Thrusters	6 x Rolls Royce 6,000 hp
Transit Speed	Up to 11.5 kn
Mooring Lines	Harbour mooring only
Mooring Winches	Harbour mooring only

STORAGE CAPACITIES

Fuel	37,000 bbl
Drill Water	15,000 bbl
Potable Water	8,900 bbl
Active Liquid Mud	6,100 bbl
Reserve Liquid Mud	7,500 bbl
Bulk Bentonite / Barite	15,900 ft^3
Bulk Cement	15,900 ft^3

DRILLING PACKAGE

Derrick	1 x 1,000 st + 1 x 1,250 st
Top Drive	2 x TDX 1250
Drawworks	5,750 hp1,000 st + 6,900 hp 1,250 st
Rotary Table	NOV RST 60.5 in + 75.5 in
Compensator	NOV CMC 1,000 st + 1,250 st
Tubular Handling	2 x NOV Hydraracker IV ER
Mud Pumps	4 x NOV 14-P-220 2,200 hp
HP Mud System	7,500 psi
Shale Shakers	6 x NOV Brandt VSM 300

SUBSEA EQUIPMENT

BOP	NOV NXT 7 ram 15,000 psi 18-3/4 in 2 x BOP outfitted
Annular	2 x NOV SBOP 10,000 psi 18-3/4 in
Diverter	NOV Shaffer 21-1/4 in
Wellhead Connector	Dril Quip DXDW H4 18-3/4 in
Riser	NOV Shaffer FT-H 90 ft
MPD	Oil States / Safekick
Tensioners	8 x NOV dual wire 1,800 st

CRANES

Primary Cranes	3 x NOV Hydralift 93.5 st 1 x NOV Hydralift 181.5 st (AHC)
X-mas Tree Crane	Primary Crane

POWER

Main Engines	6 x Himsen 10,500 hp
Main Generators	6 x ABB 9,200 hp
Emergency Power	1 x MTU 1,800 hp

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GENERAL (METRIC)

Built	2014 Samsung, South Korea
Design	Samsung 12,000
Flag/Class	Panama / ABS
Dimensions	228 m x 42 m
Draft	8.5 m (transit) 12 m (operating)
Displacement	87,700 mt (at loadline)
Variable Load	16,500 mt (transit) 20,000 mt (drilling)
Accommodations	200
Helideck	Sikorsky S92 & MIL-Mi-8, 13 mt
Max. Water Depth	3,600 m design
Max. Drilling Depth	11,400 m

STATION KEEPING

Dynamic Positioning	DPS-3
Thrusters	6 x Rolls Royce 4,560 kW
Transit Speed	Up to 5.6 m/s
Mooring Lines	Harbour mooring only
Mooring Winches	Harbour mooring only

STORAGE CAPACITIES

Fuel	5,800 m^3
Drill Water	2,300 m^3
Potable Water	1,400 m^3
Active Liquid Mud	980 m^3
Reserve Liquid Mud	1,200 m^3
Bulk Bentonite / Barite	450 m^3
Bulk Cement	450 m^3

DRILLING PACKAGE

Derrick	1 x 907 mt + 1 x 1,130 mt
Top Drive	2 x TDX 1250
Drawworks	4,370kW 907 mt + 5,200kW 1,130 mt
Rotary Table	NOV RST 1.5 m + 1.9 m
Compensator	NOV CMC 907 mt + 1,130 mt
Tubular Handling	2 x NOV Hydraracker IV ER
Mud Pumps	4 x NOV 14-P-220 1,640 kW
HP Mud System	517 bar
Shale Shakers	6 x NOV Brandt VSM 300

SUBSEA EQUIPMENT

BOP	NOV NXT 7 ram 1,034 bar 47.6 cm 2 x BOP outfitted
Annular	2 x NOV SBOP 690 bar 47.6 cm
Diverter	NOV Shaffer 54 cm
Wellhead Connector	Dril Quip DXDW H4 47.6 cm
Riser	NOV Shaffer FT-H 27.5 m
MPD	Oil States / Safekick
Tensioners	8 x NOV dual wire 1,630 mt

CRANES

Primary Cranes	3 x NOV Hydralift 85 mt 1 x NOV Hydralift 165 mt (AHC)
X-mas Tree Crane	Primary Crane

POWER

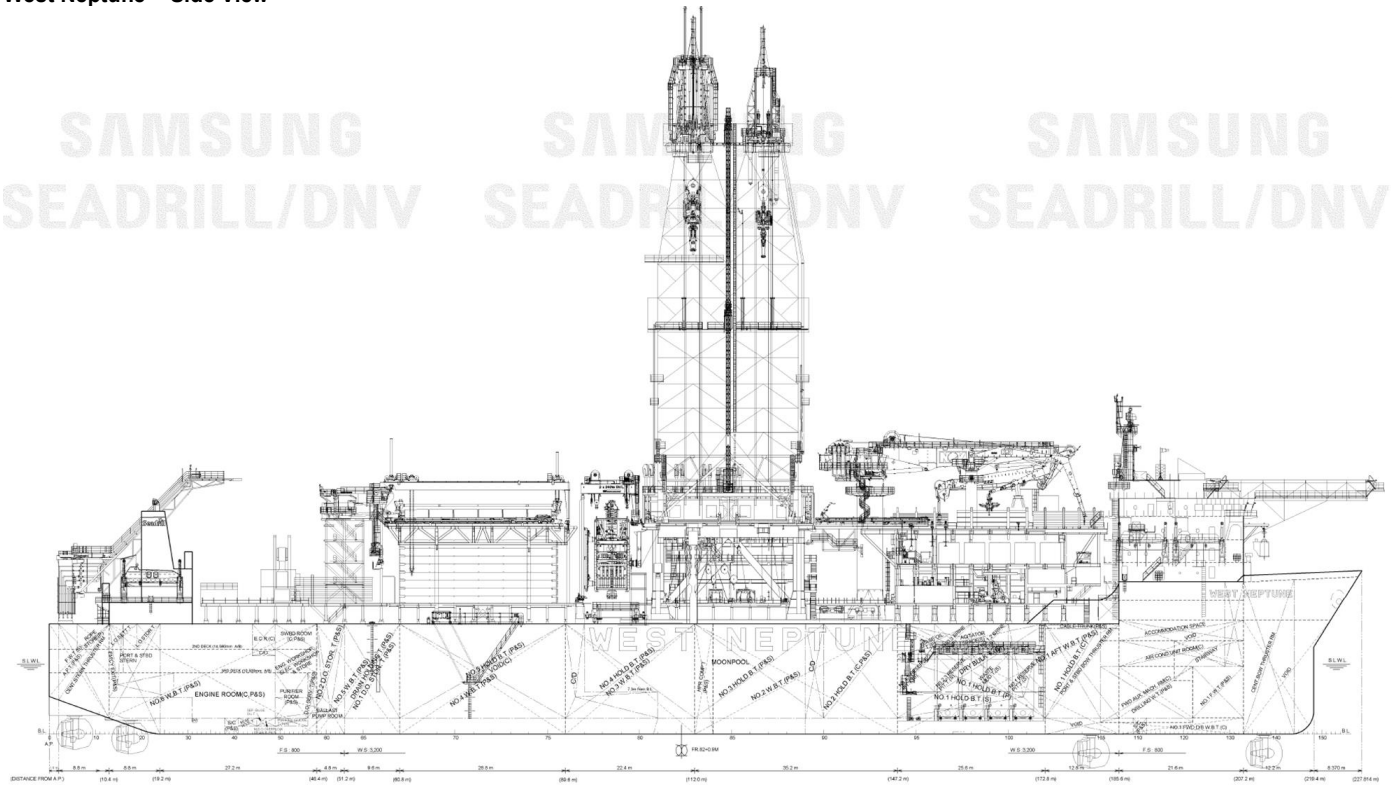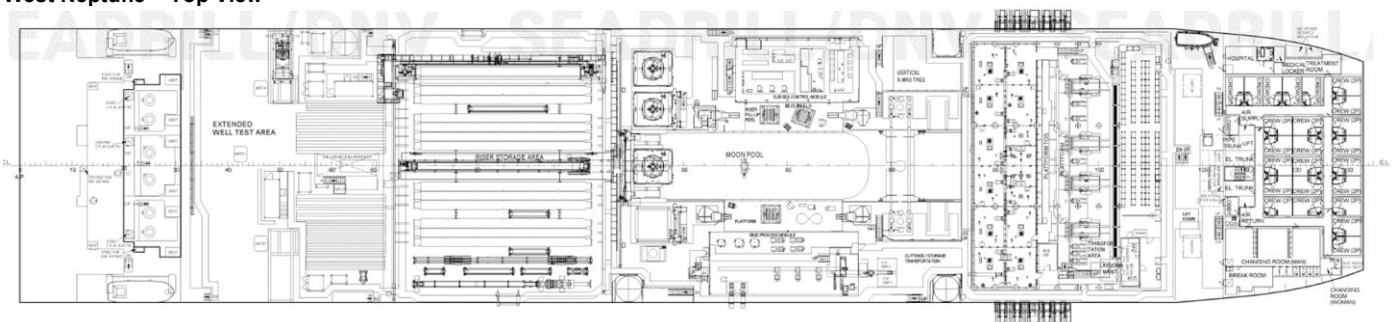|	
Main Engines	6 x Himsen 8,000 kW
Main Generators	6 x ABB 6,900 kW
Emergency Power	1 x MTU 1,350 kW

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West Neptune – Side View

West Neptune – Top View