

West Phoenix

The West Phoenix is a 6th generation ultra-deepwater dual activity ram-rig harsh environment semi-submersible with operational history in UK and Norway



GENERAL (U.S.)

Built	2008 Samsung, South Korea
Design	Moss Maritime CS50 MkII
Flag/Class	Panama / DNV
Dimensions	272 ft x 238 ft
Draft	32.5 ft (transit) 77.1 ft (operating)
Displacement	60,000 st (operating)
Variable Load	5,925 st (transit) 9,881 st (drilling)
Accommodations	128
Helideck	Sikorsky S92, 14.3 st
Max. Water Depth	10,000 ft design
Max. Drilling Depth	29,500 ft

STATION KEEPING

Dynamic Positioning	DYNPOS AUTRO, POSMOOR ATA
Thrusters	8 x Rolls Royce 4,300 hp
Transit Speed	Up to 8 kn
Mooring Lines	8 x 6,200 ft 3 in NV R4
Mooring Winches	Rolls Royce 4 x double 275 st

STORAGE CAPACITIES

Fuel	20,500 bbl
Drill Water	9,200 bbl
Potable Water	4,900 bbl
Active Liquid Mud	7,400 bbl
Reserve Liquid Mud	7,400 bbl
Bulk Bentonite / Barite	14,800 ft ³
Bulk Cement	14,800 ft ³

DRILLING PACKAGE

Derrick	1 x 1,000 st + 1 x 500 st
Top Drive	DDM 1000 + DDM 650
Drawworks	N/A (Ram-rig)
Rotary Table	Wirth 60.5 in + 49.5 in
Compensator	HMH Active/Passive (Ram-rig)
Tubular Handling	HMH racking w/guide arm
Mud Pumps	4 x Wirth TPK 2,200 hp
HP Mud System	7,500 psi
Shale Shakers	5 x Swaco BEM 650

SUBSEA EQUIPMENT

BOP	Cameron TL 5 ram 15,000psi 18-3/4in
Annular	2 x Cameron DL 10,000 psi 18-3/4 in
Diverter	Vetco 20 in
Wellhead Connector	Vetco SHD H4 18-3/4 in
Riser	Cameron LK3.5 75 ft
MPD	Enhanced Drilling CML
Tensioners	6 x HMH DAT 1,600 st

CRANES

Primary Cranes	2 x NOV 88 st
X-mas Tree Crane	HMH gantry crane 2 x 55 st

POWER

Main Engines	8 x Wartsila 6,300 hp
Main Generators	8 x ABB 6,100 hp
Emergency Power	Main engines

West Phoenix

The West Phoenix is a 6th generation ultra-deepwater dual activity ram-rig harsh environment semi-submersible with operational history in UK and Norway



GENERAL (METRIC)

Built	2008 Samsung, South Korea
Design	Moss Maritime CS50 MkII
Flag/Class	Panama / DNV
Dimensions	83.2 m x 72.7 m
Draft	9.9 m (transit) 23.5 m (operating)
Displacement	54,000 mt (operating)
Variable Load	5,400 mt (transit) 8,900 mt (drilling)
Accommodations	128
Helideck	Sikorsky S92, 13 mT
Max. Water Depth	3,050 m design
Max. Drilling Depth	9,000 m

STATION KEEPING

Dynamic Positioning	DYNPOS AUTRO, POSMOOR ATA
Thrusters	8 x Rolls Royce 3,300 kW
Transit Speed	Up to 4 m/s
Mooring Lines	8 x 1,900 m 76 mm NV R4
Mooring Winches	Rolls Royce 4 x double 250 mt

STORAGE CAPACITIES

Fuel	3,240 m ³
Drill Water	1,420 m ³
Potable Water	720 m ³
Active Liquid Mud	1,170 m ³
Reserve Liquid Mud	1,170 m ³
Bulk Bentonite / Barite	420 m ³
Bulk Cement	420 m ³

DRILLING PACKAGE

Derrick	1 x 907 mt + 1 x 454 mt
Top Drive	DDM 1000 + DDM 650
Drawworks	N/A (Ram-rig)
Rotary Table	Wirth 1.5 m + 1.2 m
Compensator	HMH Active/Passive (Ram-rig)
Tubular Handling	HMH racking w/guide arm
Mud Pumps	4 x Wirth TPK 1,640 kW
HP Mud System	517 bar
Shale Shakers	5 x Swaco BEM 650

SUBSEA EQUIPMENT

BOP	Cameron TL 5 ram 1,034 bar 47.6 cm
Annular	2 x Cameron DL 690 bar 47.6 cm
Diverter	Vetco 54 cm
Wellhead Connector	Vetco SHD H4 47.6 cm
Riser	Cameron LK3.5 22.8 m
MPD	Enhanced Drilling CML
Tensioners	6 x HMH DAT 1,454 mt

CRANES

Primary Cranes	2 x NOV 80 mt
X-mas Tree Crane	HMH gantry crane 2 x 50 mt

POWER

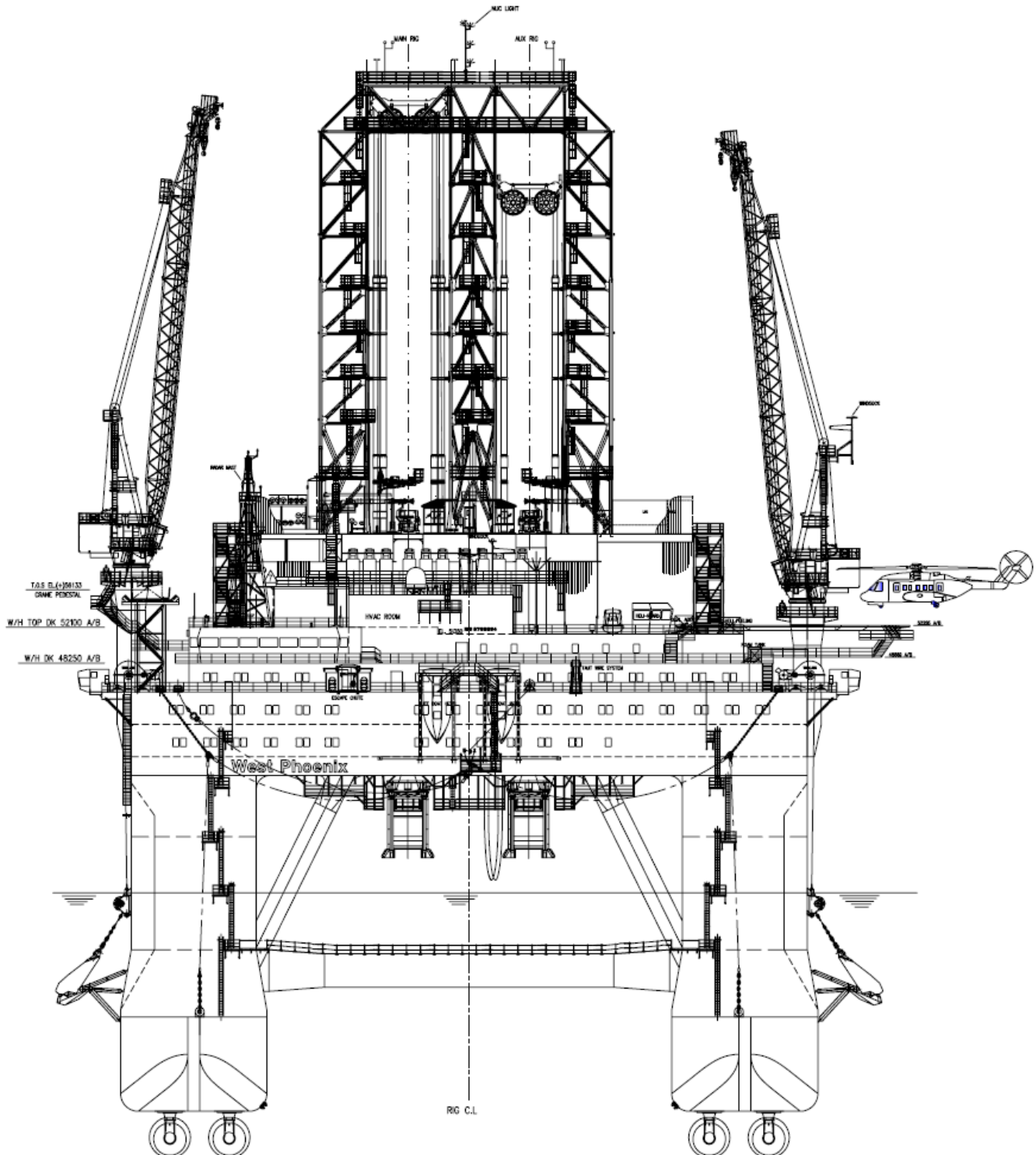
Main Engines	8 x Wartsila 4,750 kW
Main Generators	8 x ABB 4,700 kW
Emergency Power	Main engines

West Phoenix

The West Phoenix is a 6th generation ultra-deepwater dual activity ram-rig harsh environment semi-submersible with operational history in UK and Norway



West Phoenix – Front View



West Phoenix

The West Phoenix is a 6th generation ultra-deepwater dual activity ram-rig harsh environment semi-submersible with operational history in UK and Norway



West Phoenix – Main Deck

