

Sonangol Libongos

The Sonangol Libongos is a 7th generation ultra-deepwater dual activity drillship with operational history in West Africa.



GENERAL (U.S.)

Built	2015 Daewoo, South Korea
Design	DSME e-Smart
Flag/Class	Bahamas / ABS
Dimensions	780 ft x 137 ft
Draft	29 ft (transit) 39.4 ft (operating)
Displacement	46,100 st (at loadline)
Variable Load	22,000 st (transit) 27,500 st (drilling)
Accommodations	200
Helideck	Sikorsky S92 & MIL-Mi-8, 14.3 st
Max. Water Depth	12,000 ft design
Max. Drilling Depth	40,000 ft

STATION KEEPING

Dynamic Positioning	DPS-3
Thrusters	6 x Rolls Royce 7,200 hp
Transit Speed	Up to 11.5 kn
Mooring Lines	Harbour mooring only
Mooring Winches	Harbour mooring only

STORAGE CAPACITIES

Fuel	52,000 bbl
Drill Water	22,000 bbl
Potable Water	12,500 bbl
Active Liquid Mud	9,200 bbl
Reserve Liquid Mud	12,800 bbl
Bulk Bentonite / Barite	21,800 ft ³
Bulk Cement	14,650 ft ³

DRILLING PACKAGE

Derrick	1 x 1,100 st + 1 x 1,400 st
Top Drive	2 x TDX 1250
Drawworks	6,900 hp 1,100 st + 9,000 hp 1,400 st
Rotary Table	NOV RST 60.5 in + 75.5 in
Compensator	NOV CMC 1,100 st + 1,400 st
Tubular Handling	2 x NOV Hydraracker IV
Mud Pumps	4 x NOV 14-P-220 2,200 hp
HP Mud System	7,500 psi
Shale Shakers	8 x NOV Brandt VSM 300

SUBSEA EQUIPMENT

BOP	NOV NXT 6 ram 15,000 psi 18-3/4 in
Annular	2 x NOV SBOP 10,000 psi 18-3/4 in
Diverter	NOV Shaffer 21-1/4 in
Wellhead Connector	Vetco SHD H4 18-3/4 in
Riser	NOV Shaffer FT-H 75 ft
MPD	Not outfitted
Tensioners	8 x NOV dual wire 2,000 st

CRANES

Primary Cranes	3 x Liebherr 110 st 1 x Liebherr 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 Caterpillar 2,300 hp

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GENERAL (METRIC)

Built	2015 Daewoo, South Korea
Design	DSME e-Smart
Flag/Class	Bahamas / ABS
Dimensions	238 m x 42 m
Draft	9 m (transit) 12 m (operating)
Displacement	41,948 mt (at loadline)
Variable Load	20,000 mt (transit) 25,000 mt (drilling)
Accommodations	200
Helideck	Sikorsky S92 & MIL-Mi-8, 13 mt
Max. Water Depth	3,600 m design
Max. Drilling Depth	12,100 m

STATION KEEPING

Dynamic Positioning	DPS-3
Thrusters	6 x Rolls Royce 5,500 kW
Transit Speed	Up to 5.6 m/s
Mooring Lines	Harbour mooring only
Mooring Winches	Harbour mooring only

STORAGE CAPACITIES

Fuel	8,200 m ³
Drill Water	3,500 m ³
Potable Water	2,000 m ³
Active Liquid Mud	1,470 m ³
Reserve Liquid Mud	2,030 m ³
Bulk Bentonite / Barite	620 m ³
Bulk Cement	415 m ³

DRILLING PACKAGE

Derrick	1 x 1,000 mt + 1 x 1,270 mt
Top Drive	2 x TDX 1250
Drawworks	5,200kW/1,000mt + 6,800kW 1,270 mt
Rotary Table	NOV RST 1.5 m + 1.9 m
Compensator	NOV CMC 1,000 mt + 1,270 mt
Tubular Handling	2 x NOV Hydraracker IV
Mud Pumps	4 x NOV 14-P-220 1,640 kW
HP Mud System	517 bar
Shale Shakers	8 x NOV Brandt VSM 300

SUBSEA EQUIPMENT

BOP	NOV NXT 6 ram 1,034 bar 47.6 cm
Annular	2 x NOV SBOP 690 bar 47.6 cm
Diverter	NOV Shaffer 54 cm
Wellhead Connector	Vetco SHD H4 47.6 cm
Riser	NOV Shaffer FT-H 22.8 m
MPD	Not outfitted
Tensioners	8 x NOV dual wire 1,810 mt

CRANES

Primary Cranes	3 x Liebherr 100 mt 1 x Liebherr 165 mt (AHC)
X-mas Tree Crane	Primary Crane

POWER

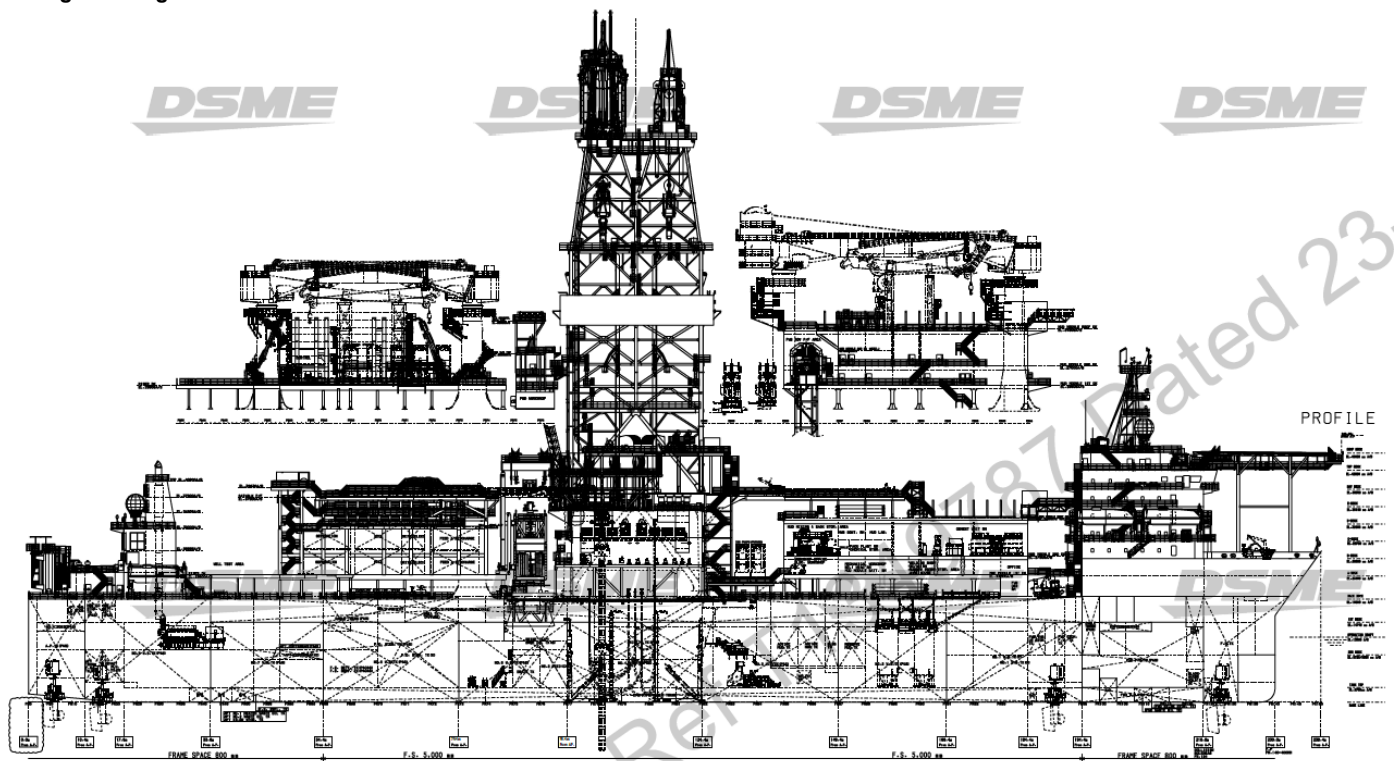
Main Engines	6 x Himsen 8,000 kW
Main Generators	6 x ABB 6,900 kW
Emergency Power	1 x Caterpillar 1,760 kW

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Sonangol Libongos – Side View



Sonangol Libongos – Top View

