

Catalog

200 feet
Semi-
Submersible
Drill Rig





200 feet Semi-Submersible Drill Rig

200 feet Semi-Submersible Drill Rig is a self propelled semi-submersible offshore drilling unit. The design is a twinhull configuration with a total of ten stability columns, a transverse truss arrangement between the columns, and a main deck supported these columns and trusses.

It holds ABS classification and in compliance with and certified by Satarem and their co-operation partners has a proven track record in offshore drilling operations and assures its customers that our rigs will be operated according to stringent international and industry standards particularly in regards to Quality and HSE.



Design Criteria

Max/Min Operating Water Depth:	304/50m(1000/163ft)
Max Rated Drilling Depth:	6000m/20000ft



Main Dimensions

Length Overall:	108.2m
Breadth Overall:	67.36m
Length of Hull (Main deck):	69.19m
Breadth of Hull (Main deck):	60.96m
Height (keel to main deck):	36.58m
Number of pontoon:	2
Length Overall of pontoon:	108.2m
Breadth of pontoon:	10.98m
Height of pontoon:	6.71m
Column of number:	8+2
Large Column Diameter (4):	7.92m
Small Column Diameter (4):	5.79m
Extra Column Diameter (2):	4.00m
Heli-Deck:	83.33' x 83.33' 10t (For S-61 helicopter or similar.)
Living quarters:	120 persons

Drilling Equipment

Draw works:	Continental Emsco C3-II rating 3000 hp with Elmagco model 7838 auxiliary brake with emergency back-up battery.
Derrick:	Continental Emsco BDA22 40'x40'x160' 454t dynamic load
Traveling Block:	Continental Emsco RA-60-7 1-1/2x 12 LINES 650t
Crown Block:	Continental Emsco RA-60-8.1-1/2x12LINES 650t
Top Driver:	VARCO. TDS-3S 650t
Rotary Table:	Continental Emsco T-4950 Rotation load 800(hp)
Mud pump:	1SET BOMCO FB-1600 2SET BOMCO F-1600 Each pump driven by 2 GE800hp DC meters
Motion compensator:	Rucker Shaffer 400000lbs with 18ft stroke
Riser tensioner:	Six Rucker Tensioners each rated at 80000lbs with 50ft travel.
Guideline tensioner:	Six Rucker tensioners each rated at 16000lbs with 40ft travel.



Maximum Gross Variable Load

Transit VL:	1930t
Drilling VL:	2433t
Survival VL:	2539t

BOP Equipment

BOP Stack:	18 ³ / ₄ " x 10000 psi WP Cameron stack trimmed for H2S service
BOP Control System:	Cameron air/electrical powered accumulator Fluid reservoir capacity 840 gallons 3000psi WP accumulator with mini, master and diverter panel.
Riser:	308m of 21" riser
Kill-choke manifold:	3-1/16" 10000psi.

Power Equipment

Diesel Type:	NOHAB F312B
Diesel Engines:	2500KW x 3 900rpm
Main Generators:	TFC6717-8S892, 2380kw x 3,600V, 60Hz, 0.7pf
Emergency generator:	One CATERPILIAR 3412C Diesel 590Kw. driving one CCF J500Y-W, 500 Kw 440V 60Hz 3Ph 0.8pf
SCR Drilling System:	10EA, 750VDC, 1000A, 750KW

Deck Crane

Crane:	TWO AKER 40/15-36.5, SWL 40T
Location:	Port/Stb
Boom Length:	36.5m

Mooring equipment

Windlass:	Norwinch 2A-76-2 Eight point mooring system, comprising Four Norwinch double drum hydraulic winches, eight 76mmx4004' NVR3 chains, eight 13.5t Anchors.
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Storage Capacities

Fuel Oil:	2232.89m ³
Lube oil:	12m ³
Drilling Water:	1213.38m ³
Potable Water:	978.72m ³
Bulk Mud:	240m ³
Heavy Mud Accepted:	10m ³
Total of Active Mud and Reserve Mud:	252m ³
Sack Storage:	3000(sacks)





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