

**DEEP DRILLER 8 - IC** type Jackup rig capable of operating in WD upto 350 ft. Attributes of these rigs include: 70ft cantilever, accommodation for 120 persons, three 2,200HP Mud Pumps, 7,500 psi High Pressure mud system, 18¾" 15,000 psi BOP with maximum drilling depths up to 35,000 ft.



#### GENERAL

Rig	Deep Driller 8
Flag	Various
Year of Built	2009
Design	KFELS SUPER B Class
Builder	Keppel FELS Limited, Singapore
Classification	Construction - American Bureau of Shipping, A1 Self-elevating Drilling Unit, CDS (2001 Rules)
Light Ship	28,687 kips (13,015.88 MT)
Displacement at load line	34,340 kips (15,580.76 MT)
Load line draft	16 ft (4.87 mtr)

#### MAIN DIMENSIONS

Hull - L X B	246 ft X 218 ft	75 mtr X 66.5 mtr
Hull Depth	25 ft	7.62 mtr
Leg Length	486 ft	148 mtr
Usable leg length below hull	429 ft	131 mtr
Leg Spacing, Transverse	142 ft	43.3 mtr
Leg Spacing, Longitudinal	129 ft	39.32 mtr
Spud Cans Dia X Ht	52.4 ft Dia X 15 ft Ht + 4 ft tip	16 mtr Dia X 5.8mtr Ht + 1.2 mtr tip
Cantilever reach - Port / Starboard	15 ft on each side	4.5 mtr on each side.
Cantilever reach - Aft from Transom	70 ft	21.34 mtr

#### OPERATING PARAMETERS

Water Depth	Min - 30 ft	Min - 9.1 mtr
	Max - 350 ft	Max - 106.7 mtr
Max. Drilling Dept	35,000 ft	10,668 mtr
Upper racks dimensions	65 ft X 53 ft Cantilever	Maximum loading 800 kips (363 MT)
Lower rack dimensions	54 ft X 53 ft Main Deck	Maximum loading 650 kips (295 MT)
Preload capacity	15,450 kips	7,010 MT

#### MACHINERY

Main Power	5 X Wartsila 6L26A2 Engines. Total Power of 12,575 HP
Emergency Power	1 X Caterpillar 3,412 TA, 830HP.
Jacking System	KFELS Rack & Pinion, Jacking speed - 1.5 ft/min
Cranes	3 X Favelle Favco Model 7.5 110K Cranes with 50 st @16.4 ft & 11t @120 ft boom

#### DRILLING EQUIPMENT

Derrick	NOV Model SSBN -1,060 / 36 ft X 36 ft X 170 ft Derrick with 2,000,000 lbs static hook load.
Draw-works	NOV Model-SSGD-General Electric / GEB 22A2 AC 4,600-57-82-1,015. 4,600 hp
Rotary Top Drive	NOV D-495, Size 49 ½" Rated capacity 1,000 st NOV HPS-1,000-2EAC Power 2,300 HP. Cap. 1,000st with 7,500 psi WP. Max Continuous torque 78,450 ft-lbs @150 rpm
Travelling Block	NOV Hydralift HTB-N, Cap 1,060 st.
Mud pumps	3 X Triplex NOV14-P-220, 2,200 HP. 7,500 psi WP
Shale Shakers	4 X NOV DLMS-380, Linear Motion Total Cap. 2,000 US gpm
Mud Degasser	1 X Derrick Vacu Flo 1200 US gpm : 1,200
Desander	1 X NOV DSN-3V-10CTX, 3 Cone of 10".
Desilter Mud Cleaner	NOV DSL-16GG-5CTX, 16 Cones of 4".
Mud Mixing Pumps	2 X HALCO 2,500 Supreme, Centrifugal Pump Total Cap 2,000 gpm
Iron Roughneck	NOV Hydralift HydraTong MPT-2,000 Max / Min OD : 9 ¾" / 3 ½"
Drill Pipe	20,000 ft of 5 7/8" X 26.3ppf; S-135 XT57 TJoint
Drill Collar	6 x 9 ½"; 18 x 8 ¼"; 18 x 7".
HWDP	30 X 5 7/8"
Automated Pipe Handling	NOV Model BR6-SD Tubulars from 3 ½" to 5 7/8"
Pipe Racking Capacity	NOV Fingerboard with Total capacity: - DP : 5 ½" / 5 7/8"- 366 stand - DC : 8" - 8 stands & 9 ½" - 2 stands

#### CAPACITIES

VDL Drilling	7,600 kips	3,448.27 MT
VDL Ocean Survival	5,510 kips	2,500 MT
VDL Field Transit	5,000 kips	2,268.60 MT
VDL Jacking	5,000 kips	2,268.60 MT
Static Hook Load	2,000 kips	907.44 MT
Rotary Capacity	2,000 kips	907.44 MT
Setback Capacity	1,210 kips	549 MT
Conductor Tension Capacity	500 kips	226.86 MT
Total Liquid Mud	4,786 bbls	760.89 m3
Barite / Bulk Mud	9,600 ft3 (4 x 2,400 ft3 each)	272 m3 (4 X 68 m3 each)
Bulk Cement	6,100 ft3 (3 x 2,033 ft3 each)	172.8 m3 (3 X 57.6 m3 each)
Sack Storage	5,000 sacks	5,000 sacks
Drill Water	6,579 bbls	1,046 m3
Potable Water	2,052 bbls	326.23 m3
Fuel Oil	3,345 bbls	531.79 m3
Base Oil Storage	1,561 bbls	248.17m3
Brine Storage	1,015 bbls	161.36 m3

#### WELL CONTROL SYSTEMS

Divertor	47" ABB Vetco Gray KFDJ, 500 psi WP
Annular BOP	1 X Cameron Type DL 18 ¾" X 10,000 psi WP
Ram BOP	2 X Double Cameron Type TL 18 ¾" X 15,000 psi WP
Choke & Kill Manifold	Cameron FLS 3 1/16" X 15,000 psi WP

#### OTHER

Accommodation	120 PAX
Helideck	72.83 ft dia Sikorsky S61N/S92 or Equivalent for landing.
Helicopter Refueling	Wilmax Engineering Fuel storage capacity 700 gal.
Water Maker	1 X Alfa Laval Model D-PU-36-C100, Waste Heat type 12,000 max gal/day.

The specifications are subject to modifications and may change without prior notice.