

DEEP DRILLER 7 - IC type Jackup rig capable of operating in WD upto 375 ft. Attributes of these rigs include : 70 ft cantilever, accommodation for 120 persons, three 2,200 HP Mud Pumps, 7,500 psi high pressure mud system, 18 ¾" 15,000 psi BOP with maximum drilling depths up to 30,000 ft.



GENERAL

Rig	Deep Driller 7
Flag	Various
Year of Built	2008
Design	Baker Marine Pacific Class 375
Builder	PPL Shipyard Pte Limited, Singapore
Classification	Construction - American Bureau of Shipping, A1 Self - elevating Drilling Unit, CDS (2001 Rules)
Light Ship	30,800 kips (13,974.6 MT)
Displacement at load line	42,326 kips (19,204.17 MT)
Load line draft	19.5 ft (5.94 mtr)

MAIN DIMENSIONS

Hull - L X B	239.8 ft X 224.4 ft	73 mtr X 68.4 mtr
Hull Depth	27.88 ft	8.5 mtr
Leg Length	506 ft	154.23 mtr
Usable leg length below hull	434 ft (with 5 ft reserve)	132.3 mtr (with 1.5 mtr reserve)
Leg Spacing, Transverse	155.18 ft	47.3 mtr
Leg Spacing, Longitudinal	145.34 ft	44.3 mtr
Spud Cans Dia X Ht	55.5 ft Dia X 31.9 ft Ht	17 mtr Dia X 9.7 mtr Ht
Cantilever reach - Port / Starboard	15 ft on each side	4.57 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 - 375 ft	Max - 114.3 mtr
Max. Drilling Dept	30,000 ft	9,144 m
Upper racks dimensions	45 ft X 70 ft Cantilever	Maximum loading 800 kips (363 MT)
Lower rack dimensions	40 ft X 60 ft Main deck	Maximum loading 650 kips (295 MT)
Preload capacity	20,900 kips	9,482.75 MT

MACHINERY

Main Power	6 X Caterpillar 3,516B HD, Total Power - 12,900 HP
Emergency Power	1 X Caterpillar 3,508 B with 1,298 HP
Jacking System	Baker Marine BMPL J800 (DD1), Baker Marine Model 88 (DD4/DD7) Speed 1 ft/min
Cranes	1 X BMC - 2,250 D, Max 55 ST with 120 ft boom 1 X BMC - 1,600 D, Max 45 ST with 100 ft boom 1 X BMC - 900 D, Max 25 ST with 100 ft boom

DRILLING EQUIPMENT

Derrick	NOV 35 ft X 35 ft X 160 ft Derrick with 1,600 Kips static hook load.
Draw-works	3 X NOV Model D3000UEDB 3,390 HP
Rotary	NOV D-495, Size 49 ½" Rated capacity 750 St
Top Drive	NOV HPS-800-E-DC, DC Electric, 1,050 Hp, 800 St with 7500 psi WP. Max. continuous torque 47,600 ft-lbs @ 94 rpm
Traveling Block	NOV / Hydralift HTB800, Cap 800 st
Mud pumps	3 X Triplex NOV14-P-220, 2,200HP, 7,500 psi WP
Shale Shakers	4 X NOV DLMS-380, Linear Motion, 2,000 Total gpm.
Mud Degasser	2 X Derrick Vacu Flo 1,200 US gpm : 1,200
Desander	1 X DSM-3B-10CTX 3 cones of 10" size
Desilter Mud Cleaner	1 X DSL-16GG-4CTX 16 cones of 4" size
Mud Mixing Pumps	2 X Mission / Magnum, Centrifugal / 5" x 6" x 14", Output capacity - 900 gpm each
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 26.3 ppf; S-135 XT57 Tjoint
Drill Collar	6 X 9 ½"; 18 X 8 ¼"; 18 X 6 ½"
HWDP	30 X 5 7/8"
Pipe Racking Capacity	NOV Fingerboard with Total capacity: DP : 5 7/8" - 322 stands & DC : 9 ½" - 8 stands

CAPACITIES

VDL Drilling	7,500 kips	3,403 MT
VDL Ocean Survival	6,000 kips	2,722.30 MT
VDL Field Transit	5,000 kips	2,268.60 MT
VDL Jacking	5,000 kips	2,268.60 MT
Static Hook Load	1,600 kips	726 MT
Rotary Capacity	1,500 kips	680.58 MT
Setback Capacity	900 kips	408.35 MT
Conductor Tension Capacity	500 kips	226.86 MT
Liquid Mud	4,050 bbls	643.88 m3
Barite / Bulk Mud	5,825 ft3 (3x1,942 ft3 each)	165 m3 (3 x 55 m3 each)
Bulk Cement	5,825 ft3 (3x1,942 ft3 each)	165 m3 (3 x 55 m3 each)
Sack Storage	5,000 sacks	5,000 sacks
Drill Water	4,850 bbls	771 m3
Potable Water	3,600 bbls	572.33 m3
Fuel Oil	3,900 bbls	620 m3
Base Oil Storage	1,200 bbls	191 m3
Brine Storage	1,200 bbls	191 m3

WELL CONTROL SYSTEMS

Divertor	47" ABB Vetco Gray KFDJ, 500 psi WP
Annular BOP	1 X Hydril GX type 18 ¾" 10,000 psi WP
Ram BOP	2 X Double Hydril Dual Compact DRBOP Type 18 ¾" 15,000 psi WP
Choke & Kill Manifold	RB Pipech 3 1/8" X 15,000 psi WP

OTHER

Accommodation	120 PAX
Helideck	75.5 ft dia Sikorsky S61N or Equivalent for landing.
Helicopter Refueling	Wilmax Engg. Fuel storage Cap 700 gal.
Water Maker	1 X SONDEX, Waste Heat 12,000 gal/day. 1 X Advanced RO type 35 m3/day

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