

**VANTAGE DRILLING COMPANY
SAPPHIRE DRILLER
BAKER MARINE PACIFIC CLASS 375 JACK-UP**

GENERAL SPECIFICATIONS

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| Shipyard Delivery | Jul-09, PPL Shipyard |
| Classification Agency | ABS ⌘ A1, Self-Elevating Unit |
| Dimensions | 236' x 224' x 27.9' |
| Water Depth | Maximum: 375 ft Minimum: 30 ft |
| Max. Drilling Depth | 30,000 ft |
| Cantilever Reach | 75 ft aft, 30' transverse |
| Leg Length | 506 ft |
| Leg Spacing | 155.2' transverse 145.3' longitudinal |
| Spudcan Diameter | 55.5 ft |
| Variable Deck Load | Operating: 7497 kips Survival: 6000 kips Transit: 5000 kips |
| Operating Draft | 18.8 ft |
| Transit Draft | 19.5 ft |
| Max. Wave Height | Operating: 45 ft Survival: 70 ft w/ 200 ft WD |
| Helideck Capacity | Sikorsky S-61N and upgradable to suit S92 c/w Wilmax Heli Fuel Unit |



DRILLING EQUIPMENT

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| Derrick Capacity | Loadmaster 5 ft offset derrick, 35 x 35 ft @ base; 14 x 16 ft @ top x 160 ft clear working height 1.5 million lbs static hook load |
| Racking Capacity | 365 Stands of 5½" drill pipe range II triples x 93 ft (33,945 ft), upgradeable to a max. 410 stands 14 stands of 9½" Drill collar range II triples x 93 ft (1,302 ft) (Fingers 1, 2, 3 & 4 can accommodate a combination of 7" tubing, 6½" HWDP, 6½" DP, 6½" DC or 5½" DP, however, the total number of stands remains at 365) |
| Drawworks | Sense EDM Ultrahoist® 750-3000, c/w 2 x GEB22 AC motors (3000 hp) |
| Rotary Table | 1 x NOV D-495 7K, 49½" hydraulically operated, 800 sht rated, 37,000 ft lbs @ 21.5 rpm |
| Iron Roughneck | 1 x Rogers Oiltools pedestal mounted, tubular range 4½" to 8½", MU & BO torque, 100,000 ft lbs |
| Top Drive | Canrig model 1275 AC, lifting capacity 750 sht, 51,400 ft lbs max continuous torque, 71,500 ft lbs intermittent, 0-256 max rpm, 1 x 1150 hp GEB20 AC motor |
| Catheads | 2 x Sense EDM GX electrically controlled hydraulic catheads, 32,800 lbs line pull |

CAPACITIES

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| Diesel | 3900 bbls | Drill water | 16,733 bbls |
| Potable Water | 3600 bbls | Bulk Storage | 11,640 ft ³ |
| Sack Storage | 5000 sacks | Base Oil | 1200 bbls |
| Brine | 1200 bbls | Liquid Mud | 4250 bbls |

OTHER PARTICULARS

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| Accommodation | 120 Persons |
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| Jacking System | Baker Marine model BMPL J800-2P, c/w 72 active drive pinions powered by 36 N° 46 kW AC drive motors (12 per jackcase, 4 per chord), normal jacking capacity 19,800mt. |
| Skidding Systems | Cantilever skidding – Baker Marine, four hydraulic cylinders each rated at 458 mt, c/w hydraulically operated locking pins, average skidding speed 0.5 m/min Drill floor skidding – Baker Marine, two hydraulic cylinders each rated at 231 mt pulling and 263 mt pushing, c/w hydraulically operated locking pins, average skidding speed 0.5 m/min |
| Mud Pumps | 3 x Eweco E-2200-15, 9"x15", 2200 hp, 7,500 psi c/w 2 x GEB 22D AC motors |
| Shakers | 4 x NOV Brandt VSM 300 BEM shakers |
| BOP Stack | 1 x Cameron 18¾" 15,000 psi, 4 x ram BOP, (2 x TL doubles), + 1 x Cameron 18¾" 10,000 psi annular BOP, HPHT, H ₂ S rated (c/w test stump and test pump) |
| BOP Controls | 1 x CAD Control Systems BOP / Diverter control unit including local control, driller's control and toolpusher's control stations |
| Diverter | 1 x Vetco Gray 49½" KFDJ-500 STD 500 psi (27½" ID) diverter with 14" flowline and 2 x 12" overboard lines |
| C & K Manifold | 1 x Forum / RB Pipetech API 16C 3 ¹ / ₁₆ " 15k HP side / 3 ¹ / ₈ " 5k LP side |
| Mud Manifold | 1 x Forum / RB Pipetech API 6A PSL dual 5" NB 7,500 psi wp |
| Cement Manifold | 1 x Forum / RB Pipetech API 6A PSL single 3" NB 15,000 psi wp |
| Cement Unit | Schlumberger Dowell, CPS361, 15,000psi safe working pressure. |

POWER GENERATION

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| Main Engines | 5 x CAT 3516B HD Diesel engines, rated at 2150 HP, (1600 KW) , at 1200 rpm c/w Baylor X37 AC generator rated at 2150 KVA, @ 1200 rpm, 690V, 60 Hz, 3 Phase |
| Emergency Power | 1 x CAT 3508B DITA Diesel engine, rated at 1220 HP, (910 KW), at 1800 rpm c/w Leroy Somer LSA M 50 IS4 AC generator rated at 1230 kVA, @ 1800 rpm, 480V, 60 Hz, 3 Phase |

HANDLING SYSTEMS

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| Deck Cranes | 1 x Baker Marine 2250-I w/ 120 ft boom, main hoist ratings - 50 mt @ 25 ft radius and 15.5 mt @ 120 ft radius (static), 33.32 mt @ 25 ft radius and 10.3 mt @ 120 ft radius (dynamic), auxiliary hoist rating – 10 mt at maximum radius (static) and 6.66 mt at max radius (dynamic) 1 x Baker Marine 1600-I w/ 120 ft boom, main hoist ratings – 40.81 mt @ 25 ft radius and 10.88 mt @ 120 ft radius (static), 27.21 mt @ 25 ft radius and 7.25 mt @ 120 ft radius (dynamic), auxiliary hoist rating – 10 mt at maximum radius (static) and 6.66 mt at max radius (dynamic) 1 x Baker Marine 900-I w/ 100 ft boom, main hoist ratings - 22.67 mt @ 20 ft radius and 7.14 mt @ 100 ft radius (static), 15.07 mt @ 20 ft radius and 4.75 mt @ 100 ft radius (dynamic), auxiliary hoist rating – 5 mt at maximum radius (static) and 3.32 mt at maximum radius (dynamic) |
| Offline Tubular | 1 x Crane Safe OAC offline activities crane, 5000 lbs SWL |
| BOP Handling | 2 x JD Neuhaus model EH 60 pneumatically operated BOP hoists each with a capacity of 60 mt |
| Xmas Tree Handling | 1 x Xmas Tree trolley beam rated at 30 mt c/w hoist |
| Conductor Tensioner | 1 x Patriot 225 mt capacity CTU with 350 mm stroke suitable for 30" and 36" conductor |

LIFESAVING SYSTEMS

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| Lifeboats | 3 x 60 man capacity Neptune Marine NPT75F TELB davit launched lifeboats (150% of PoB) One of the lifeboats is nominated as the rescue craft |
| Life rafts | 6 x 25 man model RFD Survival 25 MK III inflatable liferafts launched via Global model 32/4.5 davits located one each port and starboard (125% of POB) |
| Lifejackets | 140 lifejackets (120 in accommodation) |
| Lifebuoys | 10 installed in accordance with IMO MODU & SOLAS |