

# Balder

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## High Specification Jackup

### General Description

**Design / Generation** ..... Friede and Goldman JU 2000(modified)  
**Constructing Shipyard** ..... PPL Shipyard PTE Ltd., Singapore  
**Year Entered Service / Significant Upgrades** .....2003  
**Classification**..... ABS (2000 Rules)  
**Flag** ..... Vanuatu  
**Overall Dimensions**..... 335ft. long x 260ft. wide x 31ft. deep  
**Legs** ..... 3 x 548ft. long, Triangular  
**Drafts** ..... Load line Draft 21ft  
**Accommodation** ..... 120 persons  
**Displacement**..... (Load line) 48,826kips (24375.63st)  
**Variable Deck**..... 12,084kips operating / 8110kips transit  
**Transit Speed** ..... N/A  
**Operating Water Depth** ..... 400 ft. designed / 400 ft. outfitted  
**Maximum Drilling Depth** ..... 30,000 ft.

### Drilling Equipment

**Derrick** National Oil Well / Dreco Derrick 170ft.high,with 40ft. long 40ft.wide base.  
**Hookload Capacity** 2,000,000lbs. gross nominal capacity (static 1,600,000lbs 14 lines)  
**Cantilever** 75ft. reach, forward / aft 15ft. port / 15ft. stbd.  
**Drawwork** National Oilwell 1625-UDBE with 3 x GE 752 traction motors rated to 3,000hp with 1-3/4" lines rated for 12 lines at 1,420,000lbs.  
**Rotary Table** National D-495 49-1/2" rated to 800st with a maximum continuous torque rating of 33,190ft. lbs.  
**Top Drive** National PS2/650/750 electric with a rating of 750st and 1,000hp with a continuous torque rating of 47,870ft. lbs.  
**Tubular Handling** National Oilwell IR-170 PSA iron roughneck  
**Mud Pumps** 3 x National-Oilwell 2,200hp triplex pumps, each driven by 2 x GE 752 traction motors rated at 2,200hp each.  
**HP Mud System** Rated for 7,500psi  
**Solids Control** 5 x Derrick FLC 2000 shale shakers

### Power & Machinery

**Main Power** 5 x Caterpillar 3516B diesel engines rated at 1,855hp each, each driving 1 x Caterpillar SR4 910 kwgenerator.  
**Emergency Power** 1 x Caterpillar 3508 diesel engine rated at 1,288 hp at 1,800 rpm and driving 1 x Caterpillar SR4 480 volt generator.

### Storage Capacities

**Fuel Oil**..... 3,958 bbls  
**Liquid Mud**..... 4,727 bbls  
**Base Oil** ..... 1,377 bbls  
**Brine**..... 990 bbls  
**Drill Water** ..... 12,360 bbls  
**Potable Water** ..... 2,140 bbls  
**Bulk Material** ..... (mud + cement) 17,920 cu.ft.  
**Sack Storage** ..... 5,000 sacks

### BOP & Well Control Equipment

**BOP Rams** Hydril 13-5/8" 15,000psi BOP with 2 x 15,000psi double ram preventers.  
**BOP Annulars** 1 x Hydril 13-5/8" 10,000psi annular preventer.  
**BOP Handling** Overhead MOS Bridge Crane 125st. 2 each 15st MOS Maintenance Cranes. 2 each MOS BOP Hydraulic Skid Carts.  
**Diverter** 49.5". 1000PSI ABB Vetco Gray KFDJ-1000 diverter with a 2 x 16". flow line and 16" overboard lines inch flow lines.

### Mooring Equipment

**Mooring Winches** 4 x Intercontinental SD 200, 75,000 lbs pull capacity.  
**Anchor Line** 4 x Brydon RRL 6x36 IWRC 2" galvanized 3,000ft.  
**Anchors** 4 x Delta Flipper 7.5ton rated.

### Cranes

**Port & Stbd. Cranes** 2 x 55.6st National Oilwell Kingpost 72 DNS Cranes.  
**Stb. Fwrd. Crane** 1 x 55.6st National Oilwell Kingpost 60 DNS Cranes.  
**Knuckle-Boom Crane** 1 x 55.6st Hydralift KMCVCT 1891 Knuckle Boom Crane, dedicated to bucking unit (drill pipes up to 9 1/2" and casing up to 13 3/8").

### Special Features & Other Information

**Helideck** Rated for Sikorsky S61N, Sikorsky S92 & Eurocopter EC-225 helicopters.  
**Work Offline (WO)** Ability to make up drilling stands and casing up to 13-3/8" offline.  
**Tensioning System** 2 Systems providing primary vertical tension and lateral stability to the conductor string and secondary vertical tensioning to compensate for BOP stack loading.  
**RPD System** Automated system providing real time feedback to the Operator and Jacking System to allow safe and efficient management of jacking and positioning legs.  
**Containment Sys** Built for zero discharge and containment to meet all of today's environmental issues and concerns.



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Borr Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

