Diesel powered for maximum mobility, this drill provides up to 90,000 lb (40,823 kg) of bit loading and was designed for holes ranging from 250 to 311 mm diameter that suits copper, coal, gold, diamond and other mines around the world.

### Working ranges

<table>
<thead>
<tr>
<th>Hole diameter</th>
<th>Single pass mast</th>
<th>Multi-pass mast</th>
<th>Maximum bit loading</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Standard hole depth:</td>
<td>Standard hole depth:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>250 mm to 311 mm</td>
<td>19.8 m</td>
<td>73.1 m</td>
</tr>
<tr>
<td></td>
<td>Maximum Hole depth:</td>
<td>59.4 m</td>
<td>Optional hole depth:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 7/8 in to 12 1/4 in</td>
<td>Standard hole depth:</td>
<td>Standard hole depth:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>65 ft</td>
<td>240 ft</td>
<td>90,000 lb</td>
</tr>
<tr>
<td></td>
<td>Maximum Hole depth:</td>
<td>195 ft</td>
<td>Optional hole depth:</td>
</tr>
</tbody>
</table>
**General specifications**

**Mast**
- Lattice type using alloy steel structural shapes
  - Single pass mast: 19.8 m (65 ft)
  - Multipass mast: 12.2 m (40 ft)
- Standard diameter: 207 mm (10.5 in)

**Angle drilling**
- Up to 30 degrees in 5 degree increments

**Pipe handling**
- Type:
  - Single pass: Parallelogram style pipe rack
  - Multipass: 5 pipe rotary carousel
- Size:
  - Diameter: 178 mm - 273 mm
  - Minimum: 1.52 cm (0.60 in)

**Pipe handling**
- Type:
  - Single pass: Parallelogram style pipe rack
  - Multipass: 5 pipe rotary carousel
- Size:
  - Diameter: 178 mm - 273 mm
  - Minimum: 1.52 cm (0.60 in)

**Lower/Propel**
- Crawler type:
  - Heavy-duty B9 excavator, Intertractor design
- Shoe width: 902 mm (35.5 in)
- Propulsion:
  - Dual hydrostatic planetary drive
  - Spring set, hydraulic release brake
- Speed:
  - High: 3.06 kph (1.90 mph)
  - Low: 1.53 kph (0.95 mph)
- Grade: 41%

**Electrical system**
- Standard:
  - 24 volt DC
  - 260 Amp alternator
- Optional:
  - 12 volt DC

**Power unit**
- Engine:
  - Diesel:
    - Standard: 783 kW (1,050 hp) @ 1,800 rpm (Tier I/II)
    - Optional: 1,193 kW (1,600 hp) @ 1,800 rpm (Tier I/II)
    - MTU/Detroit Series 4000 (Used in high altitude applications)
- Fuel consumption:
  - Approximate: 113.5 L/hr (30 gal/hr)

**Engine cooler**
- Water radiator:
  - Standard: 1,193 kW (1,600 hp) @ 1,800 rpm (Tier I/II)

**Hydraulic system**
- Main system:
  - Closed loop design utilizing dual variable displacement piston pumps for propel, rotary, and pipe handling
- Auxiliary system:
  - Open loop design utilizing an axial piston pump for mast raising, lowering, machine leveling, and pipe handling
- Control valves:
  - Manifold mounted electro-hydraulic, PLC controlled 240 DC solenoid
- Hydraulics:
  - 3-micron return filters

**Electrical control systems**
- SIS (Supervisory Interface System)
  - Standard touch screen including operating parameters
  - Standard operator error protection systems available (low temperature shut-downs, over-tilt protection, pipe rack interlock protection, pipe protection software, etc.)
Leveling jacks

<table>
<thead>
<tr>
<th>Cylinders</th>
<th>Four (4) 203 mm (8 in) diameter x 1,676 mm (66 in) stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack pads</td>
<td>Ground pressure</td>
</tr>
<tr>
<td>Diameter: 762 mm (30 in)</td>
<td>765 kPa</td>
</tr>
<tr>
<td>Auto level</td>
<td>Standard feature</td>
</tr>
</tbody>
</table>

Lighting

Standard: LED floodlights for work and area lighting

Operator’s cab

<table>
<thead>
<tr>
<th>Type</th>
<th>Rear mounted with vibration and noise suppression</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOPS rating</td>
<td>Level II</td>
</tr>
<tr>
<td>Noise</td>
<td>&lt; 80 dB while Drilling</td>
</tr>
<tr>
<td>Controls</td>
<td>PLC controlled, backlit for night operation</td>
</tr>
<tr>
<td>Glazing</td>
<td>Shatter-resistant, laminated glass on all sides, roof window with guard</td>
</tr>
<tr>
<td>Climate control</td>
<td>Bergstrom* HVAC unit providing pressurization and filtration</td>
</tr>
</tbody>
</table>

Optional equipment

- Bit lubrication
- Cold weather package
- Fire suppression
- High altitude package
- Remote propel control
- Wiggins ‘fastfil’* system

Drill consumables

- Drill pipe
- Top and bottom subs
- Shock subs
- Stabilizers
- Deck bushings

*Bergstrom, Wiggins and Fastfil trademarks are the property of their respective owners.

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