Designed for mining-duty applications, this reliable and adaptable machine delivers versatility for production, pre-split or auxiliary uses.

### Working ranges

<table>
<thead>
<tr>
<th>Hole size</th>
<th>Hammers</th>
<th>Drill pipe</th>
</tr>
</thead>
<tbody>
<tr>
<td>114 mm to 216 mm</td>
<td>102 mm to 203 mm</td>
<td>102 mm to 140 mm</td>
</tr>
<tr>
<td>4.5 in to 8.5 in</td>
<td>4.0 in to 8.0 in</td>
<td>4.0 in to 5.5 in</td>
</tr>
</tbody>
</table>

### Feed

<table>
<thead>
<tr>
<th>Pull down force</th>
<th>Pull back</th>
<th>Single pass depth</th>
<th>Maximum depth</th>
<th>Boom positioning</th>
<th>Mast positioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>53.4 kN</td>
<td>71.2 kN</td>
<td>6.1 m</td>
<td>42.7 m</td>
<td>Swing left 10° / right 18°</td>
<td>Dump +16° to -45° from vertical</td>
</tr>
<tr>
<td>12,000 lb</td>
<td>16,000 lb</td>
<td>20 ft</td>
<td>140 ft 100ft</td>
<td>Tilt 10° below to 35° above horizontal</td>
<td>Rotation pin #1 left/right -20° to +45° from vertical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Rotation pin #2 left/right +45° to -5° from horizontal</td>
</tr>
</tbody>
</table>

### Rotary head

<table>
<thead>
<tr>
<th>Rotation head speed</th>
<th>Rotation head torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 99 rpm</td>
<td>7.5 kN-m</td>
</tr>
<tr>
<td></td>
<td>5,539 lbf-ft</td>
</tr>
</tbody>
</table>

### Pipe handling

<table>
<thead>
<tr>
<th>Carousel capacity</th>
<th>6 + 1 – Pipe diameter ≤ 114 mm (4.5 in)</th>
<th>4 + 1 – Pipe diameter &gt; 114 mm (4.5 in)</th>
</tr>
</thead>
</table>
General specifications

General Features

- Cab
  - Heating capacity 13.48 kWh 46,000 BTU
  - Cooling capacity 9.7 kWh 33,000 BTU
  - Pressurized cabin 295 m³/h 174 cfm
  - ROPS/FOPS certified
  - <80dBA cab noise level
  - CANbus joystick controlled

- Machine features
  - Automatic constant rotation power control
  - Centralized hydraulic test station
  - Hole alignment and depth system
  - Dual engine and compressor control
  - Wireless remote control for consumable changes
  - Pressure-less quick fuel system
  - 4 infra-red night vision cameras for improved visibility
  - Fixed rock guard for main cabin and roof windows

Options

- Arctic package
- Bolt-on external walkways
- Dust collector
- Rear stabilizer

Electrical

24 Volt

Electro-hydraulic control system

- Variable displacement, load sensing pumps

Overall dimensions

<table>
<thead>
<tr>
<th>Operating weight</th>
<th>Operating height, mast vertical</th>
<th>Shipping dimensions (height x width x length)</th>
</tr>
</thead>
<tbody>
<tr>
<td>38,555 kg</td>
<td>11.6 m</td>
<td>3.51 m x 2.89 m x 13.05 m</td>
</tr>
<tr>
<td>85,000 lb</td>
<td>37 ft 11 in</td>
<td>138 in x 114 in x 514 in</td>
</tr>
</tbody>
</table>

Power unit

Engine

Cummins QSK 19, Tier 2
- HP mode 570 kW 764 hp
- LP mode 597 kW 800 hp

Cummins QSK 19, Tier 4F
- HP mode 574 kW 770 hp
- LP mode 597 kW 800 hp

Air system

Air compressor

Sullair 20/12 (1150)
- HP mode 32.9 cu.m/min @ 34.5 bar @ 1800 rpm 1160 cfm/500 psi @ 1800 rpm
- LP mode 38.5 cu.m/min @ 24.2 bar @ 2100 rpm 1360 cfm/350 psi @ 2100 rpm

Fluids/maintenance

Fuel capacity 1,022 L 270 gal

Cooling system

Radiator, compressor, ATAAC (Air to Air After Cooler) L&M Mesabi

Tank capacities

507 L hydraulic tank 134 gal
1,060 L water tank 280 gal

Lower works and propel

Travel auto 2 speed 3 kph 1.86 mph

Oscillation ± 8°

Traction force 222.4 kN 50,000 lb

Ground clearance 381 mm 15 in

Gradeability 30% 17°

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