ROC L8(25) / ROC L8(30)

The total drilling solution for large-scale mining and quarry production

This new version of the proven ROC L series of down-the-hole crawler drills offers extended performance through increased operating pressure and a new genius cylinder feed system. Like the well proven ROC L8 it’s well suited for large-scale production work, pre-split operations, RC-in pit grade control in surface mining operations and large scale quarry operations.

Main benefits

- Productivity and flexibility beyond conventional mining and quarry drill rigs
- Improves ore to waste ratio through double benching and pre-splitting
- In pit grade control with reverse circulation sampling

Technical specification

<table>
<thead>
<tr>
<th>Recommended hole range ROC L8&lt;sup&gt;25&lt;/sup&gt;</th>
<th>COP 44, COP 54GE, COP 64 Gold</th>
<th>110-178 mm</th>
<th>4 5/16”-7”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended hole range ROC L8&lt;sup&gt;30&lt;/sup&gt;</td>
<td>COP 44, COP 54GE, COP 64 Gold</td>
<td>110-203 mm</td>
<td>4 7/16”-8”</td>
</tr>
</tbody>
</table>
### Hole depth
- 25-54 m (82-178')

### Atlas Copco XRX 10, two stage screw type compressor

#### ROC L8
- **Working pressure, max.**
  - 25 bar (363 psi)
- **FAD**
  - 405 l/s (858 cfm)

#### ROC L8
- **Working pressure, max.**
  - 30 bar (435 psi)
- **FAD**
  - 470 l/s (995 cfm)

### Engine

#### ROC L8
- **Caterpillar turbo charged, diesel engine, CAT C13, Tier III/Stage 3**
  - **Rating at 1,800 rpm**
    - 328 kW (440 hp)

#### ROC L8
- **Caterpillar turbo charged, diesel engine, CAT C15, Tier III/Stage 3**
  - **Rating at 1,800 rpm**
    - 402 kW (539 hp)

### Fuel tank
- **Capacity**
  - 760 l (201 US gal.)
  - /1050 l (277 US gal)

### Feed

#### Long feed (LF)
- **Feed length, total**
  - 11,560 mm (38')
- **Travel length**
  - 7,540 mm (25')
- **Feed extension**
  - 1,150 mm (3'9'')

#### Short feed (SF)
- **Feed length, total**
  - 9,266 mm (30'4'')
- **Travel length**
  - 5,400 mm (17'7'')
- **Feed extension**
  - 1,900 mm (6'3'')
- **Feed rate max.**
  - 0.9 m/s (177 ft/min)
- **Feed force, max.**
  - 40 kN (8,992 lbf)

### Tramming
- **Tramming speed, max.**
  - 3.5 km/h (2.2 mph)
- **Traction force**
  - 166 kN (37,310 lbf)
- **Track oscillation**
  - +10°
- **Ground clearance**
  - 405 mm (16'')

### Transport dimensions
- **Weight, excl. options (LF)**
  - 22,600 kg (49,800 lb)
- **Weight, excl. options (SF)**
  - 22,200 kg (49,950 lb)
- **Width**
  - 2,500 mm (8' 2 1/2'')
- **Length (LF)**
  - 11,700 mm (38'5'')
- **Length (SF)**
  - 10,700 mm (35'1'')
- **Height (LF)**
  - 3,500 mm (11'6'')
- **Height (SF)**
  - 3,350 mm (11')
Noise and vibration levels

<table>
<thead>
<tr>
<th><strong>ROC L8(25) / ROC L8(30)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A-weighted sound power level in decibel (ref. 1pW)</td>
<td>127</td>
</tr>
<tr>
<td>Single value declaration</td>
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<tr>
<td>A-weighted sound pressure level at work station in decibel (ref. 20 mPa)</td>
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<td>Double value declaration</td>
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<tr>
<td>Accuracy, KpA, in decibel</td>
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<tr>
<td>A-weighted sound pressure level at 1m distance in decibel (ref. 20 mPa)</td>
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<td>Double value declaration</td>
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<tr>
<td>Accuracy, KpA, in decibel</td>
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<tr>
<td>Weighted whole body vibration level (m/s²) (Double value declaration)</td>
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<tr>
<td>Inaccuracy (m/s²)</td>
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</table>

Coverage area