ROC D7

The true workmate for the widest range of applications

Designed both for construction and quarrying work, and based on extensive research at work sites throughout the world, the ROC D7 with cabin is a crawler drill with true 102 mm tophammer capability, for bench heights up to 28 m. A fuel efficient diesel engine delivers the power needed for quick penetration and efficient flushing.

Main benefits

- Unique, durable cylinder-operated feed system makes the best use of the rock drill
- Long reach makes it ideal for use in slope stabilization
- Supreme productivity thanks to the use of the proven COP-series of rock drills

Technical specification

**Recommended hole range**

<table>
<thead>
<tr>
<th>Hole Depth</th>
<th>T38, T45, T51</th>
<th>64-115 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole depth</td>
<td>28 m</td>
<td></td>
</tr>
</tbody>
</table>

**Hydraulic rock drill**

- COP 1840, COP 1840EX

**Impact power, max.**

- 18 kW
- 24.5 hp

**Atlas Copco OIS K-27-C106 GD, screw compressor**
<table>
<thead>
<tr>
<th><strong>Working pressure, max.</strong></th>
<th>10.5 bar</th>
<th>152 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FAD</strong></td>
<td>105/127 l/s</td>
<td>223/270 cfm</td>
</tr>
</tbody>
</table>

**Engine**

Caterpillar turbo charged, diesel engine, CAT C7, Tier III/stage 3

Rating at 2200 rpm 168 kW 225 hp

**Boom variants**

Folding boom system

**Fuel tank**

Capacity 370 l 98 US gal

**Feed**

Feed length, total 7,140 mm 23'5"
Travel length 4,240 mm 14'
Feed extension 1,400 mm 4'3"
Feed force, max. 20 kN 4,400 lbf

**Tramming**

Traction force, max. 142 kN 31,920 lbf
Track oscillation ±12°
Ground clearance 455 mm 17 1/2"

**Transport dimensions**

Total weight, approx. 14,500 kg 32,000 lb
Width 2,490 mm 8'2"
Length feed dumped (back/forward) 11,000 mm/10,900 mm 36'/35'9"
Height feed dumped (back/forward) 3,200 mm/3,500 mm 10'2''/11'6"

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**ROC D7**

<table>
<thead>
<tr>
<th><strong>A-weighted sound power level in decibel (ref. 1pW)</strong></th>
<th>127</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single value declaration</td>
<td></td>
</tr>
<tr>
<td><strong>A-weighted sound pressure level at work station in decibel (ref. 20 mPa)</strong></td>
<td>78</td>
</tr>
<tr>
<td>Double value declaration</td>
<td></td>
</tr>
<tr>
<td><strong>Accuracy, KpA, in decibel</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>A-weighted sound pressure level at 1m distance in decibel (ref. 20 mPa)</strong></td>
<td>NA</td>
</tr>
<tr>
<td>Double value declaration</td>
<td></td>
</tr>
<tr>
<td><strong>Accuracy, KpA, in decibel</strong></td>
<td>NA</td>
</tr>
<tr>
<td><strong>Weighted whole body vibration level (m/s²) (Double value declaration)</strong></td>
<td>0.2</td>
</tr>
<tr>
<td><strong>Inaccuracy (m/s²)</strong></td>
<td>0.1</td>
</tr>
</tbody>
</table>

**Noise and vibration levels**

**Coverage area**