Ranger D900i is a hydraulic, self-propelled, self-contained, crawler based surface drilling rig equipped with a cabin (F.O.P.S. and R.O.P.S.) and rod handling system.

Typical applications for DX900i are road cutting, pipe-line drilling and foundation drilling, as well as production drilling in medium size quarries. Therefore DX900i is most often used by construction contractors, mines and quarries, and also included in the equipment fleet of rental houses as well.

<table>
<thead>
<tr>
<th>KEY FEATURES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole diameter:</td>
<td>89 - 140 mm (3” - 5.5”)*</td>
</tr>
<tr>
<td>Rock tools:</td>
<td>51 mm or 60mm (2” and 2 3/8”)</td>
</tr>
<tr>
<td>Rock Drill</td>
<td>27kW</td>
</tr>
<tr>
<td>Engine output:</td>
<td>210kW</td>
</tr>
<tr>
<td>Flushing air:</td>
<td>9.5 m³/min, up to 10 bar</td>
</tr>
<tr>
<td>Production capacity:</td>
<td>1.9 Mt/year</td>
</tr>
<tr>
<td>Total weight:</td>
<td>19 600 kg</td>
</tr>
</tbody>
</table>

*If larger than 127mm holes drilled please consult factory
THE JAWS FOR DRILL STEELS

<table>
<thead>
<tr>
<th>DRILL STEEL TYPE</th>
<th>DRILL STEEL DIAMETER</th>
<th>RECOMMENDED HOLE DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF-rod</td>
<td>45 mm 1 1/4&quot;</td>
<td>76 - 89 mm 3&quot; - 3 1/2&quot;</td>
</tr>
<tr>
<td>MF-rod</td>
<td>51 mm 2&quot;</td>
<td>89 - 127 mm 3 1/2&quot; - 5&quot;</td>
</tr>
<tr>
<td>MF-rod</td>
<td>60 mm 2 3/8&quot;</td>
<td>92 - 140 mm 3 5/8&quot; - 5 1/2&quot;</td>
</tr>
</tbody>
</table>

STANDARD COMPONENTS

- 1 pc Rock drill RD927L, hydraulic with SLU system
- 1 pc CylF 16 feed HR, with hose reel
- 1 pc Rod handler RC1712 incl. 1 set of jaws
- 1 pc BoomDB5200, articulated
- 1 pc Carrier track mounted, rotating upper structure CW180+CCW110 Degrees
- 1 pc Power pack diesel driven, hydraulic pumps and on-board compressor with twin pressure control
- 1 pc Control system iTorque, incl. flushing control automatics, shutdown of suction for waterholes
- 1 pc TIMi for vertical holes and depth measuring
- 1 pc Operator's cabin F.O.P.S. and R.O.P.S. with intelligent air condition safety
- 1 pc Radio, 12V with USB MP3 Bluetooth, without CD
- 1 pc Dust collection system DC 900 H, hydraulic, Primary separator
- 1 pc Flushing control automatics
- 1 pc Shut down of suction in water holes
- 10 pcs Working lights, Halogen
- 1 pc Gauge set for accumulator pressure checking
- 1 pc Alarm signal
- 1 Set Manuals, paper copy
- 1 Set Manuals, USB memory
- 1 pc Alarm beacon
- 1 pc Service light

SELECTION OF OPTIONS

- Additional tool/bit box below cabin
- Alternative seat with 3-point seat belt and air cushioning
- H13 Cabin filter, HEPA
- Cooler bag in cabin
- Radio CD/MP3 Bluetooth, Handsfree, DAB
- Reversing camera
- Roller blinds for cabin windows
- Vacuum cleaner for cabin
- Explosion proof cabin window
- Heated mirrors
- Driller's notes - MWD Data Collection for TIM3D
- Automatic feed alignment for TIM
- GPS aiming device for TIM and TIMi inclined holes
- TIM3D hole navigation system
- TIMi for inclined holes and hole depth measuring
- TIMi for inclined holes with TIM3D readiness
- TIMi laser level based depth measuring
- TIMi with open interface (option laser level included)
- RockPulse sensor system
- Horizontal drilling kit with extra brake, (not with long feed)
- Long safety cage, replaces standard component
- Kit for alternative steels, each
- Thread greasing
- Safety cage for feed
- Full cycle one hole automatic drilling
- Power extractor
- Readyness for Power Extractor
- CSL-system for R92x series rock drill, replaces standard component
- Biodegradable hydraulic oil, not with CSL
- Central lubrication system Sandvik
- Electric fuel filling pump
- Electric hydraulic oil filling pump
- Electric water filling pump
- Fast fill connection for engine coolant, hydraulic and engine oils
- Fast fill connection for fuel Wiggins
- Fire suppression system Sandvik, Eclipse 65L
- Guides for grousers, long
- Rear bumper
- Long feed for 14' rods, CylF 18 HR, not with horizontal drilling
- Hydraulic rear ground support
- Hydraulic winch with full radio drilling, tramming boom and rod handling
- Remote screen interface (Tablet or mobile phone not included)
- Three bar grouser plates
- Towing hook
- Extra brake for turnable upper structure (included in horizontal drilling)
- Led lights, 9 pcs
- Led lights 17 pcs, also carrier rear and side option lights
- Cold weather package - 25 degrees
- Cold weather package - 25 degree, incl. watertank heater
- Readyness for fuel powered heater
- Dustmizer requires flap feeder (engine heater option needed below freezing point)
- Flap feeder for dust collector
- Sampling device
- Water injection system
- CME Grinder readiness
- Spare radio remote transmitter
- Extra manuals, price will be added according to pricing sheet
- First service kit for Ranger DXI series
- Special tools for RD92x series, field
- Special tools for RD92x series, complete
- Service agreement - select level from extra item
- SanRemo - select level from extra item
## COVERAGE AREA AND DIMENSIONS

![Drilling Coverage Diagrams](image)

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>19 600 kg</td>
</tr>
<tr>
<td>Width</td>
<td>2.45 m</td>
</tr>
<tr>
<td>Height</td>
<td>3.3 m/4.4 m</td>
</tr>
<tr>
<td>With safety cage</td>
<td>3.3 m/4.4 m</td>
</tr>
<tr>
<td>With noise silencer</td>
<td>3.7 m/5 m</td>
</tr>
<tr>
<td>Total length</td>
<td>12.35 m, 13.26 m with CylEF 18 (option)</td>
</tr>
</tbody>
</table>

Sandvik Mining and Rock Technology reserves the right to make changes to the information on this data sheet without prior notification to users. Please contact a Sandvik representative for clarification on specifications and options.

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