MD6200 ROTARY DRILL

- Bit Load: Up to 16,964 kg (37,400 lb)
- Hole Diameter: Up to 127-200 mm (5.0-7.87 in)
- Engine: C18® ACERT™ @ 1,800 rpm
The MD6200 is our smallest, most transportable rotary drill yet. But don’t let its size fool you; the MD6200 is a powerful, rugged machine that can stand up to the conditions of any mine site and deliver reliable performance with high availability.
POWERFUL AND VERSATILE

Designed to provide an optimal mix of onboard air, feed force, rotary torque and machine mobility, the MD6200 is a powerful production blast hole drill. But it is versatile enough to handle a wide variety of other applications. Its negative-angle drilling capability allows it to handle specialty projects like ramp and access development, sink shots, and even limited pre-split drilling.
WORLD-CLASS TRANSPORTABILITY

A SMALL MACHINE ENVELOPE

+ The MD6200 has the smallest shipping envelope in its class
+ It can be transported with the mast on, with the lowest height in its class
+ The shipping height with mast down is 3.58 m (11.75 ft)
+ No lifting tools* are required to remove components outside the shipping envelope
+ The machine offers best-in-class maneuverability on the job site
+ The Cat® 336 excavator-style undercarriage provides increased stability and durability

* Varies by configuration
The MD6200 is designed for maximum transportability. From its shipping envelope to its maneuverability, it comes equipped with a number of features that allow it to travel from hole to hole and site to site quickly and easily — so you can get to work faster.

Its small size and negative-angle mast allow it to get in position quickly and easily, reducing time between holes and allowing you to blast and begin downstream operations sooner. And its rugged, Cat® 336 excavator-style undercarriage offers best-in-class traction and drawbar pull, so it can move quickly and comfortably across the tough conditions of your mine.

And when it’s time to move to another site, the MD6200 can be transported with the mast on — simply roll it onto a truck and move on to the next job.
CAB AND OPERATOR STATION
FOR SAFETY AND COMFORT

Three standard cameras give the operator excellent visibility.

An optional heated and ventilated seat keeps your operator comfortable and productive throughout the shift.

Multifunction joystick controls and touchscreens are easy and intuitive to use.

The MD6200 cab offers the comfort and control you expect from a Cat machine.
A number of technology options make the MD6200 even more productive and efficient. Machine health and performance monitoring technologies help you make sure you’re getting the most out of your drill at all times. The drill depth monitoring system helps reduce over- and under-drilling, reducing rework.

Automated functions
+ Auto level
+ Auto retract jacks
+ Auto raise and lower mast
+ Auto drill

The MD6200 is also ready for Cat Terrain and Cat Command, offering you a building-block pathway to autonomous drilling.
MATCHED POWERTRAIN

The MD6200’s C18 engine is integral to the machine, and rated to meet specific loads generated by the compressor and hydraulics, delivering better fuel economy. Both high-pressure and low-pressure compressor configurations offer variable volume air control, perfectly matching the compressor output to the drill tool and application needs. It also lowers stand-by pressures while the machine is idle, further improving fuel consumption.
CAT ELECTRONICS —
THE BACKBONE OF THE MACHINE

The MD6200 is controlled through proven Cat electronics, with an electronic architecture your technicians are familiar with from other Cat machines. Integrated machine protection features and interlocks help keep your operators safe, and the machine up and running by preventing potential failures or misuse.

With Cat Electronic Technician (Cat ET), troubleshooting is quick and easy. The MD6200’s electronics also provide a common platform for the integration of a number of future autonomy solutions.
TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

### BASIC SPECS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole diameter range</td>
<td>127-200 mm (5.0-7.87 in)</td>
</tr>
<tr>
<td>Hole depth range</td>
<td></td>
</tr>
<tr>
<td>Single-pass depth</td>
<td>11 m (36 ft)</td>
</tr>
<tr>
<td>Multi-pass depth</td>
<td>Down to 47.58 m (Down to 156 ft)</td>
</tr>
<tr>
<td>Pull-down capacity</td>
<td>Up to 15,876 kg (Up to 35,000 lb)</td>
</tr>
<tr>
<td>Hoist capacity</td>
<td>Up to 11,907 kg (Up to 26,250 lb)</td>
</tr>
<tr>
<td>Hoist speed</td>
<td>1.32 m/sec (4.3 ft/sec)</td>
</tr>
<tr>
<td>Bit load (single-pass)</td>
<td>16,964 kg (37,400 lb)</td>
</tr>
<tr>
<td>U.S. EPA Tier 4 Final Engine</td>
<td>C18 ACERT™ @ 1,800 rpm</td>
</tr>
<tr>
<td>Emissions</td>
<td>U.S. EPA Tier 4 Final</td>
</tr>
<tr>
<td>Power rating (ISO 14396)</td>
<td>439 kW (589 hp)</td>
</tr>
<tr>
<td>U.S. EPA Tier 2 equivalent</td>
<td></td>
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<tr>
<td>Engine</td>
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</tr>
<tr>
<td>Emissions</td>
<td>U.S. EPA Tier 2 equivalent</td>
</tr>
<tr>
<td>Power rating (ISO 14396)</td>
<td>438 kW (587 hp)</td>
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<tr>
<td>Compressor, Rotary drilling</td>
<td>32.6 m³/min (1,150 ft³/min)</td>
</tr>
<tr>
<td>Compressors, DTH drilling</td>
<td>29.7 m³/min (1,050 ft³/min)</td>
</tr>
<tr>
<td>Angle drilling available</td>
<td>30° to –15° in 5° increments</td>
</tr>
</tbody>
</table>

### ENGINE FEATURES

- Dual starter motors
- Ether starting aid
- Tier 4 Final package complete with DEF/Engine Shutdown Control Package

### COMPRESSOR CHOICES

- DTH drilling 1050 cfm/350 psi
  - Includes tool lubrication system
  - 29.7 m³/min (1,050 ft³/min)
  - 113.5 L (30 gal) tool oiler
  - 113.5 L (30 gal) tool oiler

- Rotary drilling 1150 cfm/125 psi
  - Optional tool lubrication system
  - 32.6 m³/min (1,150 ft³/min)
  - 8.6 bar (125 psi)

- With the compressor’s electronic controls plus variable volume control, the operator can adjust air output to reach optimal match of tool, flushing air and ground conditions. Both high and low pressure compressors contain this feature.

### RECEIVER TANK CHOICES

- Low pressure 8.6 bar (125 psi)
- High pressure 24.1 bar (350 psi)

### COOLING

- Coolers with easy cleaning access
- All cooler core sections are replaceable
- Functional in ambient temperature of up to 52°C (125°F)
- Automatic variable speed fan control

### CLIMATE CHOICES

- Climate Level 1 Standard fluids and lubricants
  - Rated down to –1°C (30°F)
  - Withstands high heat up to 52°C (125°F)
- Climate Level 2 Arctic fluids and lubricants, engine block and manifold heater 120V or 240V
  - Rated down to –18°C (0°F)

### FRAME AND WORK DECK

- Jacks, mast pivot and deck are welded integrally to mainframe for maximum durability and long life
- Three leveling jacks provide leveling on a 7° bench (any orientation)
- Slip resistant surfaces
- Fuel tank capacity 833 L (220 gal)
- Heavy duty tow hooks (non-drill end)
- Four (4) lift lugs, for use with cables or chains

### FRAME ACCESS CHOICES

- Fixed access steps to the cab area
- Small platform to the cab includes fixed access steps
- Platform access to the cab with full length service access walkway includes fixed access steps and self-closing gates

### DRILL DECK MISC.

- Drill pipe thread greaser with remote fill tank that also accommodates disposable grease bucket

### UNDERCARRIAGE

- Model: Cat® 336 Excavator type
- Lower rollers: Eight (8)
- Carrier rollers: Three (3)
- Track chain guards and guides
- Drawbar pull: TBD
- Travel speed
  - High: 3.3 km/h (2.0 mph)
  - Low: 2.1 km/h (1.3 mph)
- Triple grousers: 600 mm (23.6 in); 0.89 bar (12.6 psi) ground pressure

### HYdraulics

- Two (2) main pumps – 85 cc (piston with proportional electronic controls)
- One (1) auxiliary circuit pump – 45 cc (piston, load sensing)
- One (1) fan pump – 45 cc (piston with proportional electronic controls)
- One (1) charge pump – 73.8 cc (gear, fixed displacement)
- Scheduled Oil Sampling (S·O·S™ ports)

### TRICONE BITS — STANDARD NOZZLES

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>171 mm (6.75 in)</td>
<td>Option 1 (S2)</td>
</tr>
<tr>
<td>171 mm (6.75 in)</td>
<td>Option 2 (M1)</td>
</tr>
<tr>
<td>171 mm (6.75 in)</td>
<td>Option 3 (M3)</td>
</tr>
<tr>
<td>200 mm (7.875 in)</td>
<td>Option 1 (S2)</td>
</tr>
<tr>
<td>200 mm (7.875 in)</td>
<td>Option 2 (M1)</td>
</tr>
<tr>
<td>200 mm (7.875 in)</td>
<td>Option 3 (M3)</td>
</tr>
</tbody>
</table>
MAST AND PIPE CAROUSEL FEATURES
+ Pipe carousel: Accepts quantity of four (4) 9.14 m (30 ft) pipes
+ Standard angle drilling package (0 to 30 degrees, in 5 degree increments)
+ Optional negative angle drilling package (0 to –15 degrees, in 5 degree increments) for a total range of (30 to –15) degrees
+ Hydraulically actuated, self-indexing pipe carousel accepts pipe diameters up to 152 mm (6.0 in)
+ Drills strings configured for bit changes above deck
+ Single cylinder pulldown/hoist system
+ Sliding deck wrench assembly
+ Configured with roller deck bushing (for low pressure/ tricone drilling)
+ Two-piece deck bushing (for high pressure DTH drilling)
+ Overhead winch with cable and hook plus remote control; variable speed drive with a 1361 kg (3,000 lb) rating
+ Variable grip hydraulic break out wrench grip range 101-152 mm (4.0-6.0 in)
+ Closed circuit camera mounted in mast to view pipe carousel/top drive operation
+ Pipe positioner for angle drilling, multi-pass pipe handling
+ Manual pipe catcher – One (1) wire rope, pipe catcher, pipe positioner, optional manual bit basket

MASST PACKAGES
| Single-pass depth | 11 m  | 36 ft |
| Multi-pass depth  | Down to 47.58 m | Down to 156 ft |
| Pulldown – rated  | Up to 15,876 kg | Up to 35,000 lb |
| Hoist             | Up to 11,907 kg | Up to 26,250 lb |

TOOL PACKAGE ROTARY
+ One-piece roller deck bushing
+ Pipe positioner clamps
+ Deck wrench
+ Bit sub
+ Top sub
+ Pipe wiper seal
+ Drill tool lubricator (optional)

TOOL PACKAGE DTH
+ Two-piece bushing
+ Pipe positioner clamps
+ Deck wrench
+ Shock sub
+ Top sub
+ Cross over subs
+ Pipe wiper seal
+ Drill tool lubricator is included with selection of DTH Compressor

DRILL PIPE
| 9.41 m (30 ft) pipes – Accepts quantity of four (4) |
|---|---|---|
| 101 mm | 4.0 in |
| 114 mm | 4.5 in |
| 127 mm | 5.0 in |
| 140 mm | 5.5 in |
| 152 mm | 6.0 in |

ROTARY HEAD TOP DRIVE SYSTEM
| Torque, single motor | 6166 N·m | 8,360 lbf-ft |
| Rotation speed       | 0-150 rpm |
| + Output shaft with box-end API-IF (NC46) 101 mm (4 in) thread |
| + Rotary torque control |
| + Virtual rotary head travel interlocks |

AUTOMATION AND TECHNOLOGY
+ Autonomous ready
  + Line of Sight, Single Row, Semi Autonomous Package
  + Remote Operator Station, Full Autonomous Package
+ Drill depth meter
+ Drill Assist (auto level, auto retract jacks, auto mast raise and lower, optional, single-pass auto drill)
+ Cat Terrain ready
+ Product Link Elite™

DUST CONTROL CHOICES
Water injection – tank 757 L 200 gal
+ Water flow meter, volume control, tank fill level indicator
Water injection plus dust collector
+ 76.5 m³/min (2,700 ft³/min) dust collector; includes standard water injection
+ Self-cleaning filters, dust chute clean-out door
High volume water injection (maximum) – tanks total capacity
  + Tank below deck – capacity 757 L 200 gal
  + Tank above deck – capacity 757 L 200 gal
+ Static dust curtains, four sides boxed enclosed
+ Dust curtain hydraulic lifters raise front and rear dust curtains (option) (recommended with dry dust collector)
+ Tram off spray system (option)