

# 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



**TOGETHER**  
WE'RE MINING BETTER



شركة الزاهد للتراكتورات  
ZAHID TRACTOR





SMALL DRILL.  
BIG RESULTS.

# THE CAT MD6200

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.



**GET TO WORK  
FASTER**



# CAB AND OPERATOR STATION FOR SAFETY AND COMFORT

The MD6200 cab offers the comfort and control you expect from a Cat machine



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



# CAT TECHNOLOGY

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		
Hole diameter range	127-200 mm	5.0-7.87 in
Hole depth range		
Single-pass depth	11 m	36 ft
Multi-pass depth	Down to 47.58 m	Down to 156 ft
Pull-down capacity	Up to 15 876 kg	Up to 35,000 lb
Hoist capacity	Up to 11 907 kg	Up to 26,250 lb
Hoist speed	1.32 m/sec	4.3 ft/sec
Bit load (single-pass)	16 964 kg	37,400 lb
U.S. EPA Tier 4 Final		
Engine	C18 ACERT™ @ 1,800 rpm	
Emissions	U.S. EPA Tier 4 Final	
Power rating (ISO 14396)	439 kW	589 hp
U.S. EPA Tier 2 equivalent		
Engine	C18 ACERT @ 1,800 rpm	
Emissions	U.S. EPA Tier 2 equivalent	
Power rating (ISO 14396)	438 kW	587 hp
Compressor, Rotary drilling	32.6 m³/min (1,150 ft³/min)	@ 8.6 bar (125 psi)
Compressors, DTH drilling	29.7 m³/min (1,050 ft³/min)	@ 24.1 bar (350 psi)
Angle drilling available	30° to -15° in 5° increments	

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

COMPRESSOR CHOICES	
DTH drilling	Includes tool lubrication system
1050 cfm/350 psi	29.7 m³/min (1,050 ft³/min) @ 24.1 bar (350 psi) with 113.5 L (30 gal) tool oiler
Rotary drilling	Optional tool lubrication system
1150 cfm/125 psi	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 <sup>SM</sup> ) ports	

TRICONE BITS — STANDARD NOZZLES	
171 mm (6.75 in), Option 1, (S2)	
171 mm (6.75 in), Option 2, (M1)	
171 mm (6.75 in), Option 3, (M3)	
200 mm (7.875 in), Option 1, (S2)	
200 mm (7.875 in), Option 2, (M1)	
200 mm (7.875 in), Option 3, (M3)	

### 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

### MAST PACKAGES

Single-pass depth	11 m	36 ft
Multi-pass depth	Down to 47.58 m	Down to 156 ft
Pulldown – rated single cylinder pull-down/ hoist system	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 mounted below front deck	757 L	200 gal
+ Water flow meter, volume control, tank fill level indicator		
Water injection plus dust collector		
+ 76.5 m <sup>3</sup> /min (2,700 ft <sup>3</sup> /min) dust collector; includes standard water injection		
+ Self-cleaning filters, dust chute clean-out door		
High volume water injection (maximum) – tanks total capacity	1514 L	400 gal
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)		



# MID6200 ROTARY DRILL



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