

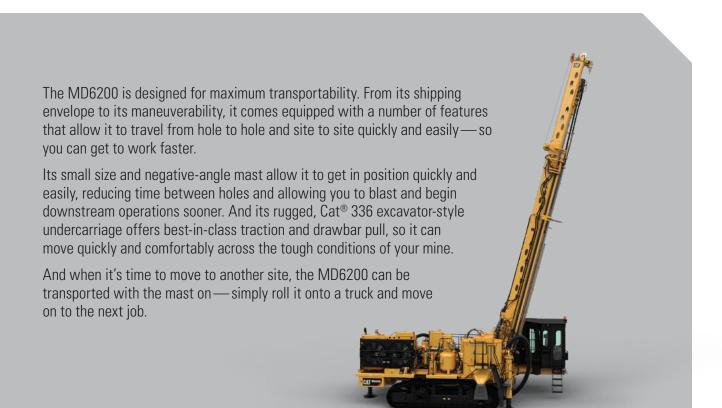
### WORLD-CLASS TRANSPORTABILITY

### 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

<sup>\*</sup> Varies by configuration

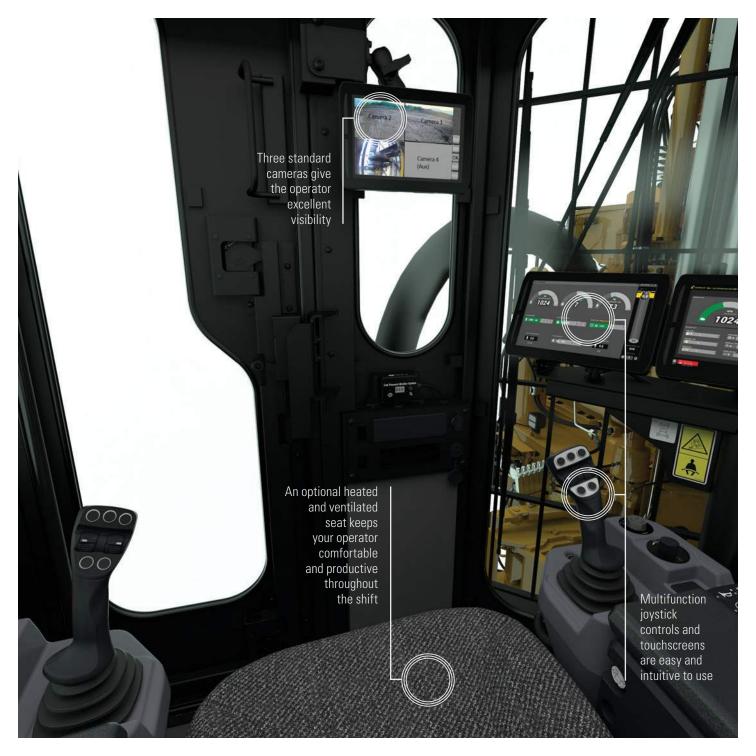




## CAB AND OPERATOR STATION

FOR SAFETY AND COMFORT

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 overand 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.















#### **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 Multi-pass depth	11 m Down to 47.58 m	36 ft 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 Emissions Power rating (ISO 14396)	C18 ACERT™ @ 1,800 rpm U.S. EPA Tier 4 Final 439 kW 589 hp		
U.S. EPA Tier 2 equivalent Engine Emissions Power rating (ISO 14396)	C18 ACERT @ 1,800 rpm U.S. EPA Tier 2 equivalent 438 kW 587 hp		
Compressor, Rotary drilling	32.6 m³/min (1,150 ft³/min) @ 8.6 bar (125 psi)		
Compressors, DTH drilling	ssors, 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

COMPRESSOR CHOICES		
DTH drilling 1050 cfm/350 psi	Includes tool lubrication system 29.7 m³/min (1,050 ft³/min) @ 24.1 bar (350 psi) with 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	
Lowerrollers	Eight (8)	
Carrier rollers	Three (3)	
Track chain guards and guides		
Drawbar pull	TBD	
Travel speed High Low	3.3 km/h 2.1 km/h	2.0 mph 1.3 mph
Triple grousers	riple 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 drillina)
- + 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 PI	PE	
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 TO	OP DRIVE SYSTEM	
Torque, single motor	6166 N⋅m	8,360 lbf-ft
Rotation speed	0-150 rpm	
Output shaft with have and APLIE (NC46) 101 mm (4 in) thread		

- 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
mounted below front deck		

+ 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 iniection
- Self-cleaning filters, dust chute clean-out door

High volume water injection	1514 L	400 gal
(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)



# ROTARY DRILL



