



MD6200

Rotary Blasthole Drill

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

Table of Contents

Specifications	2
Engine Options	2
Compressor Options	2
Receiver Tank Options	2
Cooling	2
Climate Options	2
Frame and Work Deck	2
Undercarriage	2
Hydraulics	2
Mast and Pipe Carousel Features	3
Mast Packages	3
Drill Pipe	3
Tool Package (Rotary)	3
Tool Package (Down the Hole [DTH])	3
Rotary Head Top Drive System	3
Operator Environment	4
Operating System Controls (Standard)	4
Automation and Technology	4
Dust Control Options	5
Service Packages	5
Safety and Security	5
Dimensions	6
Weights	6
Standard and Optional Equipment	7

MD6200 Rotary Blasthole Drill Specifications

Engine Options

U.S. EPA Tier 4 Final

Engine	C18 @ 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 @ 1,800 rpm
Emissions	U.S. EPA Tier 2 equivalent
Power rating (ISO 14396)	438 kW 587 hp

- Dual starter motors
- Ether starting aid
- Tier 4 Final package complete with Diesel Exhaust Fluid (DEF)/ Engine Shutdown Control Package

Compressor Options

Down-the-Hole (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 variable volume control, the operator can limit air output resulting in reduced fuel consumption.
- Electronic compressor control and regulation

Receiver Tank Options

- 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 Options

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 heater 120V or 240V

- Rated down to -18° C (-0.4° F)

Frame and Work Deck

- Jacks, mast pivot and walkways are welded integrally to mainframe for maximum durability and long life
- Three-jack leveling system for safer, faster cycle times
- 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 chain
- Fixed access steps to the cab area
- Small platform to the cab includes fixed access steps (optional)
- Platform access to the cab with full length service access walkway includes fixed access steps and self-closing gates (optional)
- Drill pipe thread greaser with reloadable tank or disposable grease bucket

Undercarriage

Model	Cat® 336 Excavator type	
Lower rollers	Eight (8)	
Carrier rollers	Three (3)	
Track chain guards and guides		
Drawbar pull	262 000 Nm	193,241 lbf-ft
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)	

Hydraulics

- Two (2) main pumps – 85 cc (piston with proportional electronic controls)
- One (1) auxiliary circuit pump – 145 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)
- S-O-SSM ports

MD6200 Rotary Blasthole Drill Specifications

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)
- 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) or 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

Mast Packages

Single-pass depth	11 m	36 ft
Multi-pass depth	47.58 m	156 ft
Pulldown – rated single cylinder pull-down/hoist system	15 876 kg	35,000 lb
Hoist capacity	11 907 kg	26,250 lb
Hoist speed	1.32 m/sec	4.3 ft/sec
Bit load (single pass)	16 964 kg	37,400 lb
Standard angle drilling	0° to 30° in 5° increments	

Drill Pipe

Hole diameter range	140-200 mm	5.5-7.87 in
9.14 m (30 ft) pipes – Accepts quantity of four (4)		
	101 mm	4 in
	114 mm	4.5 in
	127 mm	5 in
	140 mm	5.5 in
	152 mm	6 in

Tool Package (Rotary)

- One-piece roller deck bushing
- Pipe positioner claws
- Deck wrench
- Top sub
- Bit sub
- Pipe wiper seal
- Drill tool lubricator (optional)

Tool Package (DTH)

- Two-piece bushing
- Pipe positioner claws
- Deck wrench
- Shock sub with cross over adapter
- Cross over sub
- Pipe wiper seal
- Drill tool lubricator is included with selection of DTH Compressor

Rotary Head Top Drive System

Torque, single motor	8360 N·m	6,166 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

MD6200 Rotary Blasthole Drill Specifications

Operator Environment

- Cab design:
 - Falling Object Protective Structure (FOPS) cab has 1.9 m² (20.5 ft²) floor space
 - Rubber shock-mounts absorb mechanical vibration
 - Operator station design integrates an ergonomic seat, joystick controls with full instrumentation, and dual 254 mm (10 in) high-definition color screens and 12 volt power port
 - Additional display screen for cc cameras; color, high-definition 254 mm (10 in)
 - Power convertor 24V to 12V
 - Radio-ready for communication and entertainment stereo
 - Two swing out doors and Cat keyed locks
 - Literature holder
 - Storage area suitable for lunchbox
- Cab packages:
 - Standard configuration includes a fabric seat, removable floor mat, single pane window glass and driller window guard
 - Premium configuration includes a leather-trimmed seat with heat and ventilation, heavy duty suspension, dual pane window glass and driller window guard
- Seating:
 - Seat swivels, locks and has two point retractable/76 mm (3 in) seat belt, tilts (5° adjustment), lumbar support, fore/aft seat adjustment 80 mm (3.2 in)
- Windows:
 - Large windows front, rear and right cab side; full length drill window with guard
 - Window shades (option)
 - Windshield wiper with a common washer tank
 - Manometer Pressure Gauge (option)
- Lighting:
 - LED interior lights, backlit joysticks and keypads
 - Flood lights for the drill perimeter; area spotlights
 - Mast beacon and tram flashing strobe light (option)
- HVAC:
 - Floor heating vent
 - Filter access from deck, 500 hour service interval
 - Defogging HVAC vents on main window
- MERV16 element standard, HEPA element available via aftermarket
- Cameras:
 - Four (4) CC cameras (front and left side) providing 360° vision coverage from operators seat; camera on the mast to view pipe carousel/top drive operation

Operating System Controls (Standard)

- All electric controls for drilling, tramming, leveling plus auxiliary functions
- Rotary torque control
- Electronic compressor control
- Virtual rotary head travel stops and interlocks
- Pipe positioner engaged/disengaged indicator
- Drill depth meter
- Drill performance and drill health display system
- Data logging of machine health with warnings and fault code records with export capability
- Delayed engine shut down
- Rotary head rpm gauge (digital display in screen)
- Filter indicators for hydraulic, fuel, compressor and engine
- Jack pressure sensors in display
- Dust suppression control
- Mast lock indicator
- ECM proportional fan speed control system
- Tram interlock, machine stability limits
- Tram interlock, pipe in hole
- Tram interlock, mast up and locked or down and parked
- Tram interlock, jacks retracted
- Tram interlock, winch parked
- Cab environment controls (AC, heat, fan speeds)
- Pre wired for MineStar™ Terrain for drilling

Automation and Technology

- Drill depth indicator and interlocks
- Product Link™ Elite*
- Drill Assist automated functionalities
 - Auto Level (and auto jacks retract)
 - Auto Mast (raise, lower and lock into place)
 - Auto Drill (single pass)
- Cat MineStar™ Terrain for drilling*
- MineStar Command for drilling*

**Software license required (sold separately). Contact your dealer for more information.*

MD6200 Rotary Blasthole Drill Specifications

Dust Control Options

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 ³ /min (2,700 ft ³ /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 lifter raises rear dust curtain (option) (recommended with dry dust collector)
- Tram off spray system (option)

Service Packages

- Basic – Gravity fill for fuel and water, centralized manual lubrication
- Standard – Automated lubrication system, fast fill for fuel and water (option)
- Premium – Automated lubrication system, fast fill fuel and water, service center for lubricant drain and fill plus blowdown hose (option)

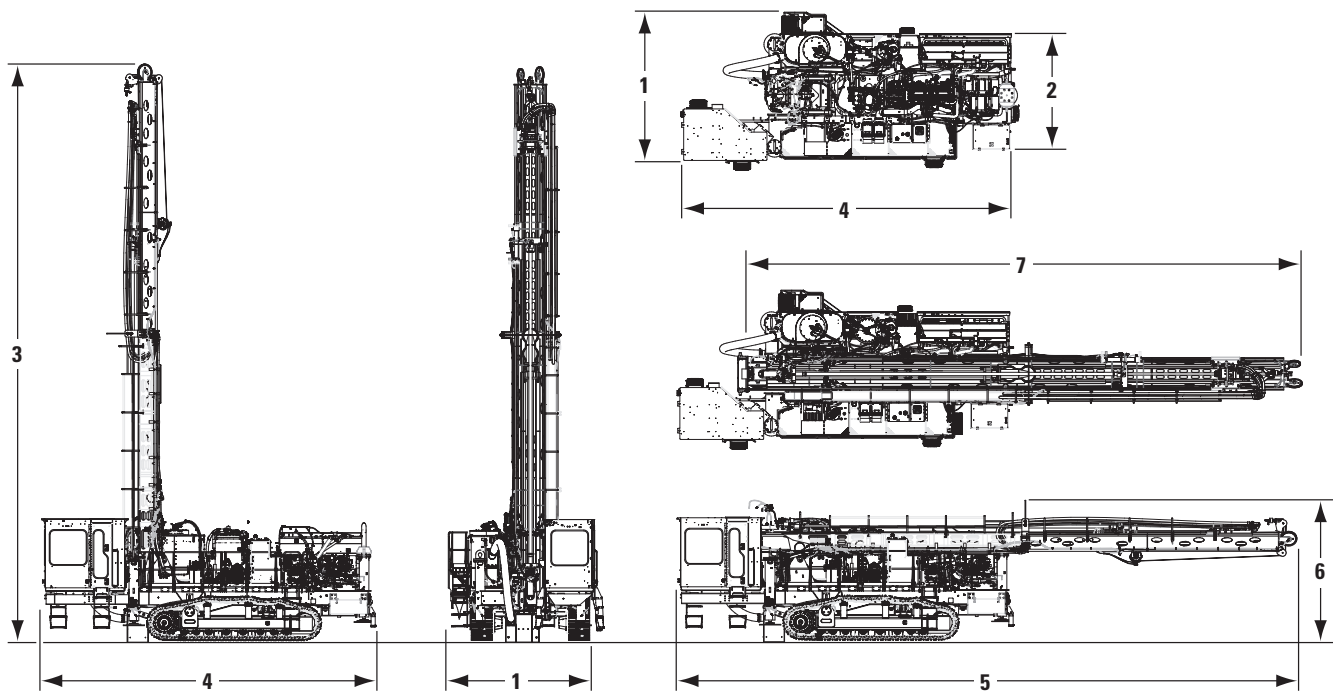
Safety and Security

- Approach angle of 15 degrees facilitates loading and unloading on a lowboy
- Seven (7) emergency stop buttons
- Hinged window guard over the full-length driller window
- Conditional safety interlocks
- Self-closing gates
- Electric horn activated by push button in the cab
- Automatic, audible tram alarm
- Battery disconnect and starter switches can be locked out
- Air hose retention devices
- Slip resistant platform surfaces
- Machine lifting provisions
- FOPS Certified Operator Cab

MD6200 Rotary Blasthole Drill Specifications

Dimensions

All dimensions are approximate.



1 Width cab end*	4.18 m	13.7 ft
2 Width non-cab end	3.57 m	11.7 ft
3 Height mast up	16.54 m	54.3 ft
4 Body length	9.44 m	31.0 ft
5 Length mast down	17.54 m	57.5 ft
6 Height mast down	3.58 m	11.75 ft
7 Mast only length	15.89 m	52.1 ft

*For width with platform access to cab or service platform walkway contact the factory.

Weights

Working Weight Range	40 823 - 45 359 kg	90,000 - 100,000 lb
----------------------	--------------------	---------------------

MD6200 Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
ENGINE			BREAK OUT WRENCH		
C18 Tier 4 Final	✓		Variable grip hydraulic break out wrench grip range:		
C18 Tier 2 equivalent	✓		– 101-152 mm (4.0-6.0 in)	✓	
COMPRESSOR/RECEIVER TANK			DRILL TOOL PACKAGES		
Rotary (Low Pressure):	✓		Rotary 101 mm (4 in); pipe diameter –	✓	
– 32.6 m³/min (1,150 ft³/min) @ 8.6 bar (125 psi); with Low Pressure Receiver Tank; rotary tool oiler (optional)			One (1) piece roller deck bushing, pipe positioner clamps, deck wrench, top and bit sub, pipe wiper seal		
DTH (High Pressure):	✓		Rotary 114 mm (4.5 in); pipe diameter –	✓	
– 29.7 m³/min (1,050 ft³/min) @ 24.1 bar (350 psi), with High Pressure Receiver Tank; hammer storage and 113.5 L (30 gal) tool oiler			One (1) piece roller deck bushing, pipe positioner clamps, deck wrench, top and bit sub, pipe wiper seal		
FRAME ACCESS			Rotary 127 mm (5 in); pipe diameter –	✓	
Fixed access steps (option) to the cab area	✓		One (1) piece roller deck bushing, pipe positioner clamps, deck wrench, top and bit sub, pipe wiper seal		
Small platform to the cab includes access steps	✓		Rotary 140 mm (5.5 in); pipe diameter –	✓	
Platform access to the cab with full-length service access walkway includes access steps (option) and self-closing gates	✓		One (1) piece roller deck bushing, pipe positioner clamps, deck wrench, top and bit sub, pipe wiper seal		
UNDERCARRIAGE			Rotary 152 mm (6 in); pipe diameter –	✓	
Cat 336 excavator type	✓		One (1) piece roller deck bushing, pipe positioner clamp, deck wrench, top and bit sub, pipe wiper seal		
Track chain guards and guides	✓		DTH 101 mm (4 in); pipe diameter –	✓	
MAST			Two (2) piece bushing, shock sub, top sub, pipe positioner clamps, deck wrench, cross over sub, pipe wiper seal		
Single-pass depth – 11 m (36 ft)	✓		DTH 114 mm (4.5 in); pipe diameter –	✓	
Multi-pass depth – Up to 47.58 m (156 ft)	✓		Two (2) piece bushing, shock sub, top sub, pipe positioner clamps, deck wrench, cross over sub, pipe wiper seal		
Standard angle drilling package for (0 to 30°)	✓		DTH 127 mm (5 in); pipe diameter –	✓	
Overhead winch assembly with cable and hook, plus remote control; variable speed drive with a 1361 kg (3,000 lb) rating		✓	Two (2) piece bushing, shock sub, top sub, pipe positioner clamps, deck wrench, cross over sub, pipe wiper seal		
Tool lubrication system for Rotary Drilling with 113.5 L (30 gal) capacity		✓	DTH 140 mm (5.5 in); pipe diameter –	✓	
Pipe thread greaser with reloadable tank or disposable grease bucket		✓	Two (2) piece bushing, pipe positioner inserts, deck wrench, cross over sub, shock sub, top sub, pipe wiper seal		
Manual bit basket		✓	DTH 152 mm (6 in); pipe diameter –	✓	
MAST ACCESSORIES			Two (2) piece bushing, shock sub, top sub, pipe positioner clamps, deck wrench, cross over sub, pipe wiper seal		
Manual pipe catcher – One (1) wire rope pipe catcher, manual bit basket (option)	✓				
PIPE CAROUSEL					
Accepts quantity of four (4) 9.14 m (30 ft) pipes	✓				

(continued on next page)

MD6200 Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT			CLIMATE		
Lighting:			Climate Level 1:	✓	
– Standard lighting is 4,200 lumens flood light on perimeter; 1,950 lumens area spot lights	✓		– Rated down to –1° C (30° F)		
– Premium includes standard light package plus mast clearance lights, front mounted tram beacons	✓		– Withstands high heat up to 52° C (125° F)		
Cab packages:			– Standard fluids and lubricants		
– Standard – fabric seat, removable floor mat, single pane window glass, driller window guard, and wiper for the driller window	✓		Climate Level 2:		✓
– Premium - leather-trimmed seat with fabric inlay and heat/ventilation, heavy duty suspension, dual pane window glass, driller window guard and wiper, plus a second removable guard for front window		✓	– Rated down to –18° C (0° F)		
Decals/Films:			– Arctic fluids and lubricants		
– ANSI	✓		– Engine block manifold heater 120V or 240V		
– ISO	✓		TECHNOLOGY AND AUTOMATION		
Cab pressure gauge		✓	Drilling parameters (including depth indicator) and interlocks	✓	
Window shades		✓	Drill Assist – Auto Level (and auto jacks retract)	✓	
SERVICE PACKAGES			Drill Assist – Auto Mast (raise, lower and lock into place)	✓	
Basic – Centralized manual lubrication for all pivot points, gravity fill fuel and water	✓		Drill Assist – Auto Drill (single pass)		✓
Standard – Automated lubrication system, fast fill for fuel and water (option)		✓	Product Link Elite (Cellular)	✓	
Premium – Automated lubrication system, fast fill for fuel and water, service center for lubricants drain and fill, plus blowdown hose (option)		✓	Product Link Elite (Dual: Cellular + satellite)		✓
DUST CONTROL			MineStar Terrain for drilling (system hardware)		✓*
Water injection system:	✓		SERVICE TOOLS		
– 757 L (200 gal) mounted below front deck			Bushing retention tool – 89 to 152 mm (3.5 to 6.0 in) wrench flats		✓
Water injection plus dry dust collector:		✓	Lifting bails (available on request; required for commissioning)		✓
– 76.5 m³/min (2,700 cfm) dust collector			API thread 89 mm (3.5 in)		✓
– Water storage 757 L (200 gal)			API thread 114 mm (4.5 in)		✓
High volume water injection:		✓	BECO thread 76 mm (3.0 in)		✓
– Water storage 1514 L (400 gal)			BECO thread 89 mm (3.5 in)		✓
– 757 L (200 gal) tank mounted below deck			BECO thread 101 mm (4.0 in)		✓
– 757 L (200 gal) mounted above deck			BECO thread 114 mm (4.5 in)		✓

*Requires MineStar Terrain for drilling software license, sold separately

(continued on next page)

Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
DUST SUPPRESSION			DRILL PIPE		
Dust curtains, four sides boxed in, with hydraulic lifters to raise front and rear dust curtains (recommended with dry dust collector)		✓	9.14 m (30 ft) pipes – Accepts quantity of four (4):		
			– 101 mm (4 in) pipe (2.875 in API Reg Threads)		✓
Tram off spray system		✓	– 114 mm (4.5 in) pipe (3 in BECO Threads)		✓
DRILL BITS, ROTARY TRICONE			– 127 mm (5 in) pipe (3.5 in BECO Threads)		✓
• Recommended for rotary applications			– 140 mm (5.5 in) pipe (4 in BECO Threads)		✓
• All bits have standard nozzles			– 152 mm (6 in) pipe (4.5 in BECO Threads)		✓
• Obtain S/M/H codes from the Rock Formation to Bit Conversion table https://catpublications.com search for PEXQ1027					
• Ship out plans for each drill configuration allow for one pallet of bits. Additional pallets may require an additional truck.					
– 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 2, (M3)		✓			

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

AEXQ3662-00 (04-2025)
(Global)

© 2025 Caterpillar
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, VisionLink, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

