



MD6250

Rotary Blasthole Drill

Technical Specifications

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

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MD6250 Rotary Blasthole Drill Specifications

Engine Options

Emissions: Equivalent to U.S. EPA Tier 2

Engine Power	C27 @ 1,800 rpm	
ISO 14396	616 kW	826 hp
ISO 14396 (DIN)	838 mhp (PS)	

Emissions: U.S. EPA Tier 4 Final/EU Stage V

Engine Power	C27 @ 1,800 rpm	
ISO 14396	650 kW	872 hp
ISO 14396 (DIN)	884 mhp (PS)	

- Dual starter motors
- Scheduled Oil Sampling (S·O·SSM) ports
- Ether starting aid (ether bottle supplied locally)

Compressor/Receiver Options

Compressor

Rotary Drilling	56.6 m ³ /min (2,000 ft ³ /min) @ 8.6 bar (125 psi)
DTH Drilling	38.2 m ³ /min (1,350 ft ³ /min) @ 34.4 bar (500 psi)
DTH Drilling	42.4 m ³ /min (1,500 ft ³ /min) @ 24.1 bar (350 psi)

- With the compressor's variable volume control, the operator can limit air output resulting in reduced fuel consumption
- Electronic compressor control and regulation
- DTH selection includes tool oiler

Receiver Tank Options

- Low pressure 8.6 bar (125 psi) for ASME/CRN/AU or CE
- High pressure 24.1 or 34.4 bar (350 or 500 psi) for ASME/CRN/AU or CE

Cooling

- Coolers with easy cleaning access
- Separate engine cooling module
- All cooler core sections are replaceable
- Functional in ambient temperature 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 to 52° C (125° F)

Climate Level 2: Fluids and Lubricants, plus Water Injection

- Rated down to -18° C (-1° F)
- Automatic water purge and recirculation for water injection system (primary water tank only)

Climate Level 4: Arctic-rated fluids and lubricants for engine and hydraulics, plus heating and electrical

- Rated down to -40° C (-40° F)
- Diesel-powered heating system that heats and circulates engine coolant through the engine block and primary water tank
- Heating elements for hammer oil tank, hydraulic tank and batteries.
- Dessicant air dryer to prevent airline freeze for pneumatically-powered auxiliary circuits
- Automatic water purge and recirculation for water injection system (primary water tank only)

Batteries, Sealed – Quantity: Four (4)

Batteries, Sealed – Quantity: Six (6) (required for cold weather Level 2 and 4 and/or autonomy packages)

MD6250 Rotary Blasthole Drill Specifications

Frame and Work Deck

- Leveling Jacks, A-frame/mast pivot and drill deck are welded integrally to mainframe for maximum durability and long life
- Stationary drill deck; for vertical and angle drilling
- Four leveling jacks provide leveling by up to:
 - 10° (side to side)
 - 8° (drill end, downhill)
 - 11° (non-drill end, downhill)
- Primary fuel tank capacity 1416 L (374 gal)
- Fuel capacity expansion for additional 1416 L (374 gal) optional for total capacity of 2832 L (748 gal); (required for autonomy packages)
- Heavy duty tow hooks (front end)
- Four (4) lift lugs, for use with cables or chains
- Fixed access stairs to the cab area
- Three (3) egress points on deck areas in addition to main access
- Sturdy guardrails with toe guards, self-closing gates

Undercarriage

Model	Cat® 336 Excavator type	
Lower Rollers	Twelve (12)	
Carrier Rollers	Three (3)	
Track Chain Guards and Guides	Level two	
Drawbar Pull	417 000 N	93,745 lbf
Travel Speed	2.45 kph	1.5 mph
Triple Grousers for Hard Rock; Ground Bearing Pressure 0.88 bar (12.7 psi)	600 mm	23.6 in
Triple Grousers for Soft Rock; Ground Bearing Pressure 1.10 bar (15.9 psi)	750 mm	29.5 in

Hydraulics

- Two (2) primary pumps – 145 cc (piston, with proportional electronic controls)
- One (1) auxiliary circuit pump – 110 cc (piston, load sensing)
- Two (2) fan pumps – 74 cc (piston, with proportional electronic controls)
- Two (2) charge pumps – 43.9 + 56.5 cc (double stack gear, fixed displacement)
- S-O-S ports

Mast and Pipe Rack Carousel Features

11.2 m (36.7 ft) Mast		
Hole Diameter Range	165-250 mm	6.5-9.875 in
Single-Pass Depth	11.2 m	36.7 ft
Multi-Pass Depth	53.9 m	176.7 ft
Pull-Down Capacity		
Standard	20 411 kg	45,000 lb
Optional*	29 483 kg	65,000 lb
Hoist Capacity		
Standard	15 309 kg	33,750 lb
Optional*	22 112 kg	48,750 lb
Hoist Speed	0.81 m/sec	2.65 ft/sec
Bit Load (single pass)		
Standard	Up to 22 321 kg	Up to 49,210 lb
Optional*	Up to 31 393 kg	Up to 69,210 lb
13.6 m (44.6 ft) Mast		
Hole Diameter Range	165-250 mm	6.5-9.875 in
Single-Pass Depth	13.6 m	44.6 ft
Multi-Pass Depth	37.9 m	124.6 ft
Pull-Down Capacity	29 483 kg	65,000 lb
Hoist Capacity	22 112 kg	48,750 lb
Maximum Hoist Speed	0.66 m/sec	2.16 ft/sec
Maximum Bit Load (single pass)	32 655 kg	71,993 lb

*Requires longer lead time.

- Mast configurations complete with pipe rack carousel and angle drilling package (vertical, out to 30 degrees in 5-degree increments)
- Hydraulically actuated, self-indexing pipe rack carousel accepts pipe diameters from 127 mm (5.0 in) to 194 mm (7.625 in)
- Drill strings configured for bit changes (above the deck)
- Single Hydraulic Cylinder and cable system for pulldown/hoist
- Auto tensioning of pull down and hoist cables
- Variable grip hydraulic break out wrench for range of pipe diameters
- Sliding deck wrench assembly
- Configured with roller deck bushing for tricone applications, two-piece deck bushing for DTH
- Closed circuit camera in mast is used to view pipe rack carousel/ top drive operation while racking pipes
- Drill pipe positioner
- Rotation gear box with single motor up to 160 rpm, up to 11 700 N·m (8,629 lbf-ft) torque

MD6250 Rotary Blasthole Drill Specifications

Mast Packages

Mast Accessories: Manual

11.2 m (36.7 ft) or 13.6 m (44.6 ft) Mast	One (1) wire rope pipe catcher, hydraulically operated bit basket
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Mast Accessories: Hydraulic

11.2 m (36.7 ft) Mast	One (1) hydraulically actuated pipe catcher, hydraulically operated bit basket
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Mast Accessories: Hydraulic

13.6 m (44.6 ft) Mast	One (1) hydraulically actuated pipe catcher, plus one (1) wire rope pipe catcher, hydraulically operated bit basket
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Angle Drilling	Included with either mast
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Carousel (mast size and pipe diameter dependent)

- Pipe rack carousel, standard:
 - 11.2 m (36.7 ft) Mast: holds quantity of four (4) 10.6 m (35 ft) pipes
 - 13.6 m (44.6 ft) Mast: holds quantity of four (4) 6.1 m (20 ft) pipes

Hydraulic Break Out Wrench

Variable Grip Hydraulic	114-152 mm (4.5-6.0 in)
Break Out Wrench Grip Ranges	152-216 mm (6.0-8.5 in)

Drill Pipe

11.2 m (36.7 ft Mast): 10.6 m (35 ft) Pipes

127 mm	5.0 in
140 mm	5.5 in
152 mm	6.0 in
159 mm	6.25 in
165 mm	6.5 in
178 mm	7.0 in
194 mm	7.625 in

13.6 m (44.6 ft) Mast: 6.1 m (20 ft) Pipes

127 mm	5.0 in
140 mm	5.5 in
152 mm	6.0 in
159 mm	6.25 in
165 mm	6.5 in
178 mm	7.0 in
194 mm	7.625 in

Tool Package Rotary

- One-piece roller deck bushing
- Pipe positioner rollers
- Deck wrench
- Top sub
- Bit sub
- Pipe wiper seal

Tool Package DTH

- Two-piece roller deck bushing
- Pipe positioner rollers
- Deck wrench
- Shock sub
- Top Sub
- Hammer Sub
- Pipe wiper seal
- Drill tool lubricator is included with selection of DTH Compressor

MD6250 Rotary Blasthole Drill Specifications

Rotary Head Top Drive System

Torque, Single Motor	11 700 N·m	8,629 lbf·ft
Rotation Speed	0-160 rpm	

- Spindle – 140 mm (5.5 in) API regular thread with splined collar
- Rotary torque control
- Virtual rotary head travel interlocks

Operator Environment

- Cab, Standard:
 - Fabric seat
 - Single pane window glass
 - Removable guard for driller window
 - Wiper for the driller window
- Cab, Premium:
 - Leather seat with fabric inlay and heat/ventilation
 - Heavy duty seat suspension
 - Dual pane window glass
 - Removable guard for driller window and the window facing the power train
 - Wipers for the driller window, front window and rear window
- Cab design features:
 - Spacious Falling Object Protective Structure (FOPS) cab is 3 m² (32.3 ft²) with an integrated operator station
 - Cab rubber shock-mounts
 - Operator station design integrates an ergonomic seat, joystick controls with full instrumentation, and dual 254 mm (10 in) color displays, high definition touchscreen and 12-volt power port
 - Additional display screen for cc cameras; color, high-definition 254 mm (10 in)
 - Three (3) cc cameras (front and left side) providing 360° vision coverage from operators seat; camera in the mast to view pipe rack carousel/top drive operation
 - Power converter 24V to 12V
 - Radio-ready for communication and entertainment stereo
 - Two swing-out doors and Cat keyed locks
 - Literature holder
 - Removable floor mat
- Seating:
 - Seat swivels, locks and has retractable, two-point, 76 mm (3 in) wide seat belt, tilts (5° adjustment), lumbar support, fore/aft seat adjustment of 80 mm (3.1 in)
- Windows:
 - Large front, rear and right cab side windows; full length drill window with guard
 - Windshield wipers with a common washer tank

- Lighting:
 - LED interior lights and map light at operators seat, backlit joysticks and keypads
 - Flood lights for the drill perimeter
 - Spotlights for power group area, drill deck, mast carousel, access ladder and walkways
 - Lighting package includes 4,200 lumens flood light on perimeter, mast clearance lights, cab mounted strobe, front mounted tram beacon
- HVAC:
 - Floor heating vent
 - Roof-mounted air conditioner/heating/pressurizing unit
 - Filter access from deck
 - Defogging HVAC vents on main window
 - MERV16 element standard; HEPA element available via aftermarket

Operating System Controls

- All electric controls for drilling, tramming, leveling plus auxiliary functions
- Electronic compressor control
- Rotary torque 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 – jack retracted
- Tram interlock – winch parked
- Cab environment controls (AC, filter, heat, fan speeds)
- Prewired for MineStar™ Terrain and Command autonomous operation
- Drill Assist automated functionalities:
 - Auto Level (and auto jacks retract)
 - Auto Mast (raise, lower and lock into place)
 - Auto Drill (single or multi-pass)

MD6250 Rotary Blasthole Drill Specifications

Automation and Technology

- Drill depth indicator
- Product Link™ Elite*
- Drill Assist automated functionalities
 - Auto Level (and auto jacks retract)
 - Auto Mast (raise, lock into place, lower to mast rests)
 - Auto Drill (fully automated drill cycle)
- Cat MineStar™ Terrain for drilling*
- MineStar Command for drilling*

**Hardware from factory; contact your dealer for software licenses and subscriptions.*

Dust Control Options

- Water injection – tank mounted below front deck 1271 L (336 gal)
 - Water flow meter, volume control, tank fill level indicator
- Water injection plus dry dust collector: 127 m³/min (4,500 ft³/min) dust collector; includes standard water injection
 - Self-cleaning filters, dust chute with ejector
- High volume water injection – tanks total capacity 2786 L (736 gal)
 - Tank below deck (isolated for extreme cold weather) capacity 1271 L (336 gal)
 - Tank above deck capacity 1514 L (400 gal)
- Static dust curtains, four sided/boxed enclosed

Service Packages

- Fast fill for fuel and water
- Automated lubrication system
- Service center for lubricant drain and fill, automated lubrication system
- Blow down hose (optional)

Service Tools

- Lifting Bails
 - American Petroleum Institute (API) thread 89 mm (3.5 in) – to lift corresponding drill tools (6.75-inch tricone bits or 6-inch class DTH hammers)
 - API thread 114 mm (4.5 in) – to lift corresponding drill tooling (7.875- and 9.0-inch tricone bits or 8-inch class DTH hammers)
 - API thread 140 mm (5.5 in) – to lift shock sub adapter
 - Bucyrus Erie Company (BECO) thread 89 mm (3.5 in) – to lift corresponding drill pipe (5.0-inch outer diameter)
 - BECO thread 102 mm (4.0 in) – to lift corresponding drill pipe (5.5- or 6.25-inch outer diameter)
 - BECO thread 114 mm (4.5 in) – to lift corresponding drill pipe (6.0, 6.5, 6.625 and 7.0 inch OD)
 - BECO thread 152 mm (6.0 in) – to lift corresponding drill pipe (7.625 inch OD)

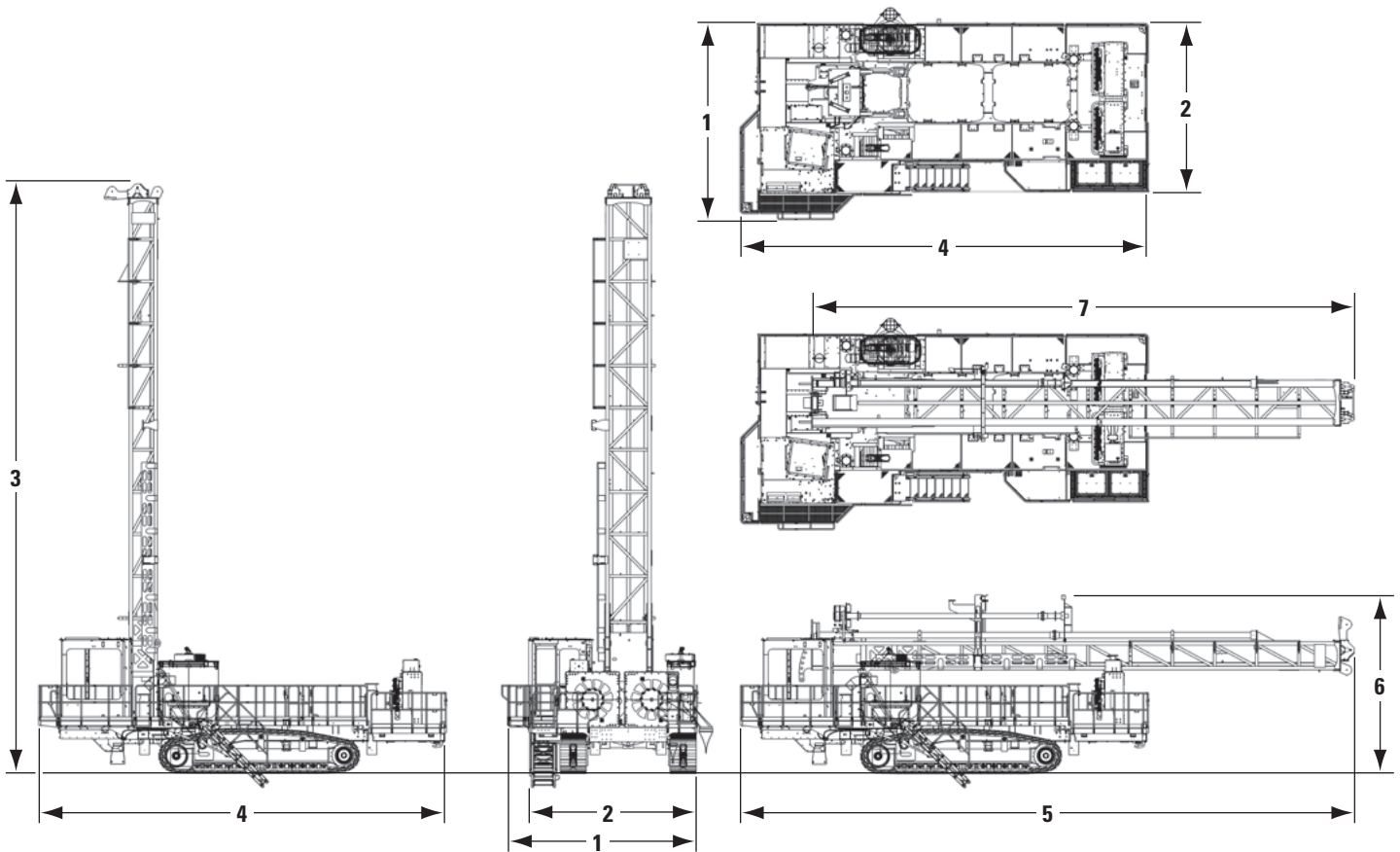
Safety and Security

- Approach angle of 15 degrees facilitates loading and unloading on a lowboy
- Alloy drill deck covers, for servicing when mast is horizontal
- Eight (8) engine shut down buttons, by each drill egress/access point, in cab, in engine area, on drill deck
- Over forty (40) conditional safety interlocks
- Hinged window guard over the full length of the front drill window
- Three (3) egress points on deck area in addition to main access
- Self-closing gates secure the egress ladder locations
- Electric horn activated by push button in the cab
- Automatic tram alarm, audible
- Under deck mounted battery box with keyed battery disconnect/ starter disconnect/remote jump start terminals
- Compressor air hoses with safety retention cables
- Slip resistant surfaces
- Tow hooks on non-drill-end
- Lifting lugs

MD6250 Rotary Blasthole Drill Specifications

Dimensions

All dimensions are approximate.



	11.2 m (36.7 ft) Mast		13.6 m (44.6 ft) Mast	
1 Width Cab End	5.625 m	18.45 ft	5.624 m	18.45 ft
2 Width Non-Cab End	4.845 m	15.9 ft	4.845 m	15.9 ft
3 Height Mast Up	17.146 m	56.3 ft	19.546 m	61.13 ft
4 Body Length	11.708 m	38.41 ft	11.708 m	38.41 ft
5 Length Mast Down	17.78 m	58.3 ft	20.18 m	66.17 ft
6 Height Mast Down	5.134 m	16.84 ft	5.134 m	16.84 ft
7 Mast Only Shipping Length	16.32 m	53.5 ft	18.72 m	61.4 ft

Note: Width and length dimensions include cascading stairs and walk-around access for cab.

Weights

Working Weight Range	56 468 kg to 64 154 kg	124,490 lb to 141,436 lb
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MD6250 Rotary Blasthole Drill Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
POWER TRAIN OPTIONS			CONTROLS		
Emissions: Equivalent to U.S. EPA Tier 2 Cat C27 @ 1,800 rpm	✓		Drill depth indicator and interlocks	✓	
Emissions: U.S. EPA Tier 4 Final, Cat C27 @ 1,800 rpm	✓		Drill Assist – Auto Level (and auto jacks retract)	✓	
Low-pressure Compressor Package (for Rotary Drilling): 56.6 m³/min; 8.6 bar (2,000 ft³/min; 125 psi)	✓		Drill Assist – Auto Mast (raise, lower and lock into place)	✓	
High-pressure Compressor Package (for DTH Drilling): 38.2 m³/min; 34.4 bar (1,350 ft³/min; 500 psi)		✓	Drill Assist – Auto Drill (single or multi-pass)		✓
High-pressure Compressor Package (for DTH Drilling): 42.4 m³/min; 24.1 bar (1,500 ft³/min; 350 psi)		✓	PRODUCT LINK™/TERRAIN		
CAB OPTIONS			Product Link Elite (Cellular)	✓	
Standard – Includes a fabric seat, single pane window glass, removable driller window guard, and a windshield wiper for driller window	✓		Product Link Elite (Dual: Satellite + Cellular)		✓
Premium – Includes a leather seat with heat and ventilation, heavy duty suspension, dual pane window glass. Removable driller window guard and guard for window facing power train. Additional storage box and windshield wipers on front and rear windows		✓	MineStar for Drilling (high-precision machine guidance system) with G610 screen		✓
LED Lighting Package: Provides 4,200 lumens flood light on perimeter, area spotlights have 1,950 lumens. Mast clearance lights and cab mounted yellow strobe light and a front mounted tram beacon		✓	FRAME/DECK		
Viewing hatch for hole spotting with spotlight (hydraulically operated)		✓	Fuel tank expansion adds 1416 L (374 gal) tank for a total capacity of 2832 L (748 gal)		✓
Foldaway trainer's seat with retractable seat belt		✓	Machine access via fixed stairs	✓	
Window shades		✓	Machine access via cascading, hydraulic stairs; includes walkway around cab to drill deck		✓
Cabin pressure manometer gauge		✓	Fire suppression ready platform		✓
Cab roof access system (includes ladders, cage and rails)		✓	Jib crane ready (mounting kit only)		✓
			In-deck tool storage		✓
			MAST		
			11.2 m (36.7 ft) Mast; angle drilling		✓
			13.6 m (44.6 ft) Mast; angle drilling		✓
			Drill pipe thread greaser with reloadable tank or disposable grease bucket		✓
			Tool lubrication system for rotary tricone bits 113.5 L (30 gal)		✓
			Tool lubrication system for DTH hammer and bit (included in High Pressure (HP) compressor package)		✓
			Overhead winch assembly with remote, cable and hook		✓

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MD6250 Rotary Blasthole Drill 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
MAST ACCESSORIES			DUST SUPPRESSION		
11.2 m (36.7 ft) or 13.6 m (44.6 ft):			Water injection 1271 L (336 gal)	✓	
Pipe catcher, manual – one wire rope (for 11 m), two wire rope (for 13 m)	✓		Water injection 1271 L (336 gal) plus dry dust collector 127 m³/min (4,500 ft³/min)		✓
pipe catcher, bit basket, hydraulic			Water injection, high volume 2786 L (736 gal)		✓
11.2 m (36.7 ft) Mast:			– Tank below deck (isolated for extreme cold weather) capacity 1271 L (336 gal)		
Pipe catcher, hydraulic – one hydraulically actuated pipe catcher, bit basket, hydraulic		✓	– Tank above deck capacity 1514 L (400 gal)		
13.6 m (44.6 ft) Mast:			Static dust curtains, four sided/boxed enclosed	✓	
Pipe catcher, hydraulic – one hydraulically actuated pipe catcher, plus one wire rope pipe catcher, bit basket, hydraulic		✓	Dust curtain hydraulic lifters raise front and rear dust curtains (recommended with dust collector)		✓
BREAK OUT WRENCH (SELECT ONE)			Tram off spray to wet the ground around the cuttings pile		✓
Variable grip hydraulic break out wrench range 114 mm to 152 mm (4.5 in to 6.0 in)		✓	UNDERCARRIAGE		
Variable grip hydraulic break out wrench range 152 mm to 216 mm (6.0 in to 8.5 in)		✓	Cat 336E Excavator Type undercarriage. Select one:		
SERVICE PACKAGES/FLUIDS SYSTEM FOR 11.2 M (36.7 FT) OR 13.6 M (44.6 FT) MAST			Triple grousers 600 mm (23.6 in); for hard rock	✓	
Fast fill for fuel and water and automated lubrication system		✓	Triple grousers 750 mm (29.5 in); for soft rock	✓	
Central drain/fill service center for lubricants, fast fill for fuel and water, a blow-down hose and automated lubrication system		✓	SERVICE TOOLS		
CLIMATE/REGIONAL CONSIDERATIONS			Lifting bails:		
Batteries, sealed quantity four (4)	✓		API thread 89 mm (3.5 in)		✓
Batteries, sealed quantity six (6)		✓	API thread 114 mm (4.5 in)		✓
Level 1 – Standard fluids and lubricants	✓		API thread 140 mm (5.5 in)		✓
Level 2 – Arctic – Temperature down to –18° C (0° F)		✓	BECO thread 89 mm (3.5 in)		✓
Level 4 – Temperature down to –40° C (–40° F)		✓	BECO thread 102 mm (4.0 in)		✓
Decals, ANSI	✓		BECO thread 114 mm (4.5 in)		✓
Decals, ISO	✓		BECO thread 152 mm (6.0 in)		✓
Certifications, EAEU	✓		<i>(continued on next page)</i>		
Certifications, CE	✓				

MD6250 Rotary Blasthole Drill 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
PIPE CAROUSEL			DTH DRILLING TOOL PACKAGES		
Each carousel holds four pipes.			11.2 m (36.7 ft) Mast		
11.2 m (36.7 ft) Mast with 10.6 m (35 ft) Pipe Rack – Select One:			Package includes:		
127 mm (5.0 in) pipe; four pods	✓		<ul style="list-style-type: none"> • Two-piece deck bushing • Pipe positioner rollers • Sliding deck wrench • Cross-over subs • Pipe wiper seal 		
140 mm (5.5 in) pipe; four pods	✓		Select appropriate pipe diameter:		
152 mm (6.0 in) pipe; four pods	✓		140 mm (5.5 in)	✓	
159 mm (6.25 in) pipe; four pods	✓		159 mm (6.25 in)	✓	
165 mm (6.5 in) pipe; four pods	✓		165 mm (6.5 in)	✓	
178 mm (7.0 in) pipe; four pods	✓		194 mm (7.625 in)	✓	
194 mm (7.625 in) pipe; four pods	✓		13.6 m (44.6 ft) Mast		
13.6 m (44.6 ft) Mast with 6.1 m (20 ft) Pipe Rack – Select One:			Package includes:		
127 mm (5.0 in) pipe; four pods	✓		<ul style="list-style-type: none"> • Two-piece deck bushing • Pipe positioner rollers • Sliding deck wrench • Cross-over subs • Pipe wiper seal 		
140 mm (5.5 in) pipe; four pods	✓		Select appropriate pipe diameter:		
152 mm (6.0 in) pipe; four pods	✓		– 127 mm (5.0 in)	✓	
159 mm (6.25 in) pipe; four pods	✓		– 140 mm (5.5 in)	✓	
165 mm (6.5 in) pipe; four pods	✓		– 159 mm (6.25 in)	✓	
178 mm (7.0 in) pipe; four pods	✓		– 165 mm (6.5 in)	✓	
194 mm (7.625 in) pipe; four pods	✓		– 178 mm (7.0 in)	✓	
ROTARY DRILLING TOOL PACKAGES			– 194 mm (7.625 in)	✓	
Available for both 11.2 m (36.7 ft) and 13.6 m (44.6 ft) mast lengths.			DUAL PURPOSE DRILLING PACKAGES		
Package includes:			Available for 11.2 m (36.7 ft) mast.		
<ul style="list-style-type: none"> • One-piece roller deck bushing • Pipe positioner rollers • Sliding deck wrench • Cross-over subs • Pipe wiper seal 			Package includes:		
Select appropriate pipe diameter:			<ul style="list-style-type: none"> • Two-piece deck bushing • Pipe positioner rollers • Sliding deck wrench • Dual-purpose carousel • Two 7.625 m (25 ft) drill pipe and two sub adapters • Pipe wiper seal 		
127 mm (5.0 in)	✓		Select appropriate pipe diameter:		
152 mm (6.0 in)	✓		140 mm (5.5 in)	✓	
165 mm (6.5 in)	✓		168 mm (6.625 in)	✓	
178 mm (7.0 in)	✓		TOP SUBS		
194 mm (7.625 in)	✓		For rotary drilling only. Select one:		
			127 mm (5 in)	✓	
			152 mm (6 in)	✓	
			165 mm (6.5 in)	✓	
			178 mm (7 in)	✓	
			194 mm (7.625 in)	✓	

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MD6250 Rotary Blasthole Drill 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
SHOCK ABSORBER WITH CROSSOVER ADAPTER			DTH HAMMERS		
Required for DTH drilling. Optional for Rotary Drilling. Select appropriate pipe diameter:			6-inch Class DTH Hammer with drive-chuck (all components, less bits).		
127 mm (5 in)		✓	Select hammer type:		
140 mm (5.5 in)		✓	Standard Duty (SD) for QL60 shank type		✓
152 mm (6 in)		✓	High Performance (HP) for QL60 shank type		✓
159 mm (6.25 in)		✓	Tube-free (TF) for non foot-valve shank type		✓
165 mm (6.5 in)		✓	Optional drive-chuck (QL60 shank type) per hammer type		✓
178 mm (7 in)		✓	<i>Refer to document PERJ1113 for additional details</i>		
194 mm (7.625 in)		✓	8-inch Class DTH Hammers with drive-chuck (all components, less bits). Select hammer type:		
SHOCK SUB			Standard Duty (SD) for QL80 shank type		✓
For dual purpose drilling with the 11.2 m (36.7 ft) mast. Includes shock absorber with long top sub adapter.			High Performance (HP) for QL80 shank type		✓
Select appropriate pipe diameter:			Optional drive-chuck (QL80 shank type) per hammer type		✓
140 mm (5.5 in)		✓	<i>Refer to document PERJ1113 for additional details</i>		
168 mm (6.625 in)		✓	DTH BITS		
DRILL PIPE			Each pallet comes with nine (9) bits and three (3) additional foot valves. Select by diameter, shank, flushing holes, face type, and carbide configuration.		
13.7 m (44.9 ft) Mast: 6.1 m (20 ft) Pipes Carousel holds qty of four. Select appropriate pipe diameter:			171 mm (6.75 in) QL60 bits with two flushing holes. Concave, spherical gauge, ballistic face		✓
127 mm (5 in)		✓	171 mm (6.75 in) QL60 bits with two flushing holes. Convex, spherical gauge, ballistic face		✓
140 mm (5.5 in)		✓	171 mm (6.75 in) QL60 bits with two flushing holes. Flat face, spherical gauge, spherical face		✓
152 mm (6 in)		✓	171 mm (6.75 in) TF60 bit with two flushing holes. Concave, spherical gauge, spherical face		✓
159 mm (6.25 in)		✓	171 mm (6.75 in) TF60 bit with three flushing holes. Convex, spherical gauge, spherical face		✓
165 mm (6.5 in)		✓	229 mm (9 in) QL80 bit with two flushing holes. Concave, spherical gauge, spherical face		✓
178 mm (7 in)		✓	229 mm (9 in) QL80 bit with two flushing holes. Flat face, spherical gauge, spherical face		✓
194 mm (7.625 in)		✓	<i>Refer to document PEEP9285-01 for additional details</i>		
11.2 m (36.7 ft) Mast for Dual Purpose drilling: 10.6 m (35 ft) Pipes Carousel holds qty of two. Select appropriate pipe diameter:					
140 mm (5.5 in)		✓			
168 mm (6.625 in)		✓			
TRICONE DRILL BITS					
Each pallet includes nine (9) drill bits Each bit set is available for Soft (S1), Medium (M1), Medium-hard (M3) and Hard (H1) material types. Refer to document PEXQ1027-05 or contact your Cat dealer for more information.					
Diameters available:					
171 mm (6.75 in)		✓			
200 mm (7.875 in)		✓			
229 mm (9.0 in)		✓			
251 mm (9.875 in)		✓			

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