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: Equivalent to U.S. EPA Tier 4 Final		
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·S℠) 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 Arctic Fluids and Lubricants

- Rated down to –18° C (–0.4° F)

Climate Level 4 Arctic Fluids and Lubricants

- Rated down to –40° C (–40° F)
- Diesel fired heating system that heats and circulates engine coolant through engine block, below deck water tank, heating elements for battery trays
- Full Arctic lubricant package to include engine and hydraulic oil
- Electric heating package with breaker panel to power: 120V heating blanket for compressor receiver tank, heat trace for hosing from water tank to water pump and water fast-fill assembly, plus primary tank
- Shore power connection box with switchable 240-600V (50 amp) connection (diesel gen set and/or plug supplied locally). Box includes standard 50 hz battery charger, if 60 hz charger required, to be ordered via after market, refer to P-n 540-4271
- Breaker panel includes five (5) additional breakers for locally supplied heating elements if needed

Batteries, Sealed – Quantity: Four (4)

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

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 on a 7° bench (any orientation)
- 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)
- Three (3) egress points on deck areas in addition to main access
- Heavy duty tow hooks (front end)
- Four (4) lift lugs, for use with cables or chains
- Fixed access stairs to the cab area
- Sturdy guardrails with toe guards, self-closing gates

Undercarriage

Model	Cat® 336E EL 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)
- Scheduled Oil Sampling (S·O·S) ports

Mast and Pipe Rack Carousel Features

11.2 m (36.7 ft) Mast		
Hole Diameter Range	152-250 mm	6-9.875 in
Single-Pass Depth	Down to 11.2 m	Down to 36.7 ft
Multi-Pass Depth	Down to 53.9 m	Down to 176.7 ft
Pull-Down Capacity		
Standard	Up to 20 411 kg	Up to 45,000 lb
Optional*	Up to 29 483 kg	Up to 65,000 lb
Hoist Capacity		
Standard	Up to 15 309 kg	Up to 33,750 lb
Optional*	Up to 22 112 kg	Up to 48,750 lb
Hoist Speed	0.81 m/sec	2.65 ft/sec
Bit Load (single pass)	Up to 22 321 kg	Up to 49,210 lb
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	152-250 mm	6-9.875 in
Single-Pass Depth	Down to 13.6 m	Down to 44.6 ft
Multi-Pass Depth	Down to 37.9 m	Down to 124.6 ft
Pull-Down Capacity	Up to 29 483 kg	Up to 65,000 lb
Hoist Capacity	Up to 16 584 kg	Up to 36,563 lb
Hoist Speed	0.66 m/sec	2.16 ft/sec
Bit Load (single pass)	Up to 32 655 kg	Up to 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, manual bit basket
Mast Accessories Hydraulic	
11.2 m (36.7 ft) Mast	One (1) hydraulically actuated pipe catcher, hydraulically operated bit basket
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
Angle Drilling	Included with either mast

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

Drill Pipe

10.6 m (35 ft) Pipes for 11.2 m (36.7 ft) Mast – holds quantity of four (4)		
	127 mm	5.0 in
	140 mm	5.5 in
	152 mm	6.0 in
	165 mm	6.5 in
	178 mm	7.0 in
	194 mm	7.625 in
6.1 m (20 ft) Pipes for 13.6 m (44.6 ft) Mast – holds quantity of four (4)		
	127 mm	5.0 in
	140 mm	5.5 in
	152 mm	6.0 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

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:
  - Additional storage
  - Leather seat with fabric inlay and heat/ventilation
  - Heavy duty seat suspension
  - Dual pane window glass
  - Removable guard for driller window, plus window facing power train
  - Wipers for the driller window plus front and rear windows
- Cab design features:
  - Spacious FOPS cab is 3 m^2 (32.3 ft^2) 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 convertor 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 retractable, two-point/76 mm (3 in) wide seat belt, tilts (5° adjustment), lumbar support, fore/aft seat adjustment 80 mm (3.1 in)
- Windows:
  - Large windows front, rear and right cab side; 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

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 Terrain and autonomous operation
- Drill Assist automated functionality:
  - Auto level, auto jack retract
  - Auto mast raise and lock, auto mast unlock and park

MD6250 Rotary Blasthole Drill Specifications

Automation and Technology

- Drill depth indicator
- Cat Terrain ready
- Product Link™ Elite (hardware from factory, subscription package via dealer)
- Autonomy ready

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 m^3/min (4,500 ft^3/min) dust collector; includes standard water injection
  - Self-cleaning filters, dust chute with ejector
- High volume water injection (maximum) – 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, fast fill fuel and water, blow down hose (option)

Service Tools

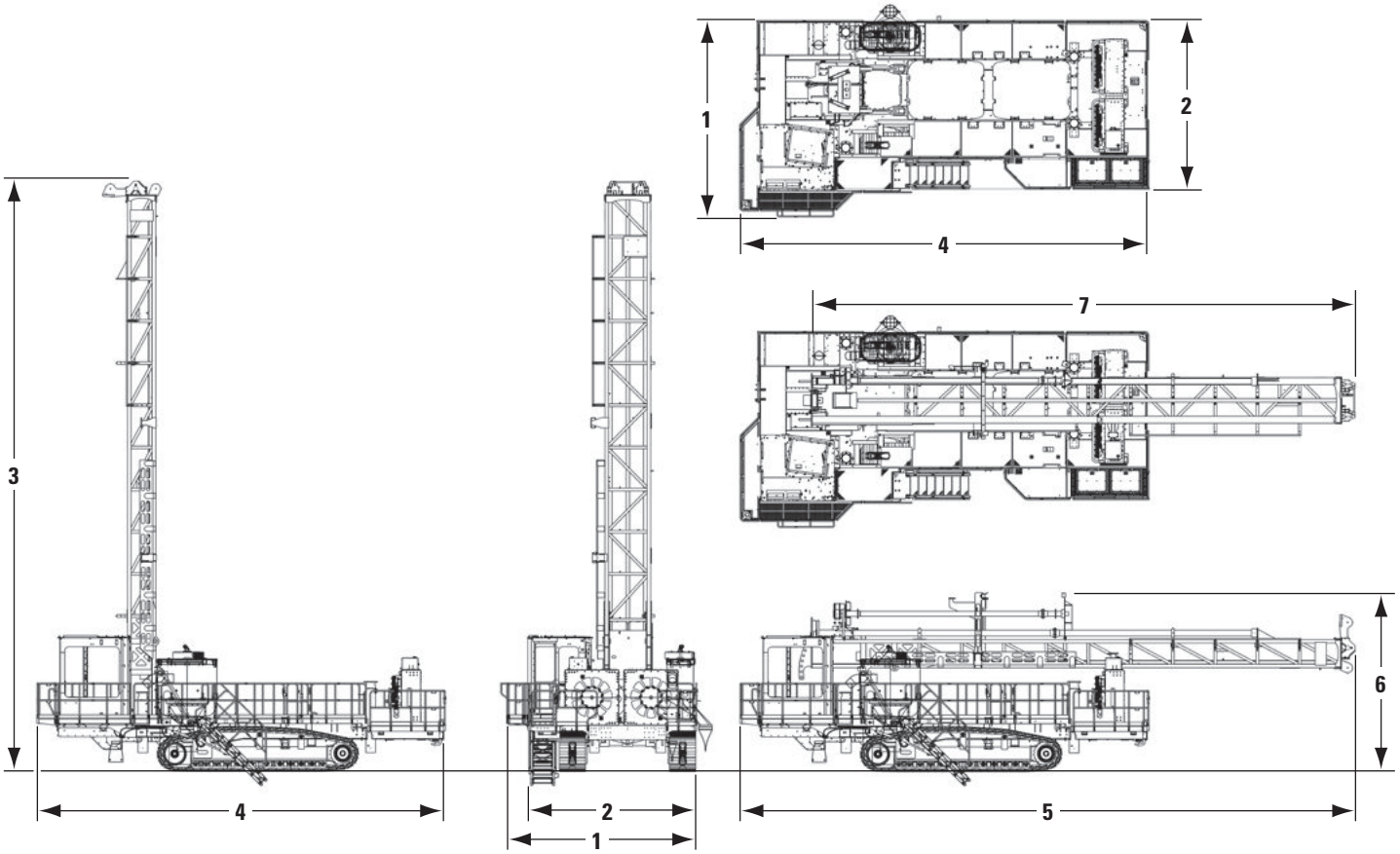
- Lifting Bails (available by request)
  - API thread 89 mm (3.5 in) – to lift corresponding drill tools (6.75 in tricone bits or 6-inch class DTH hammers)
  - API thread 114 mm (4.5 in) – to lift corresponding drill tooling (7.875 and 9.0 in tricone bits or 8-inch class DTH hammers)
  - API thread 140 mm (5.5 in) – to lift shock sub adapter
  - BECO thread 102 mm (4.0 in) – to lift corresponding drill pipe (5.5 in OD)
  - BECO thread 114 mm (4.5 in) – to lift corresponding drill pipe (6.0, 6.5, 6.625 and 7.0 in OD)
  - BECO thread 152 mm (6.0 in) – to lift corresponding drill pipe (7.625 in 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
- Seven (7) 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 areas in addition to main access
- Self-closing gates secure 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

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

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
POWER TRAIN OPTIONS		
Emissions: Equivalent to Tier 2, Engine Power C27 @ 1,800 rpm, ISO 14396 616 kW (826 hp), ISO 14396 (DIN) 838 mhp (PS)	✓	
Emissions: Equivalent to Tier 4 Final, Engine Power C27 @ 1,800 rpm, ISO 14396 650 kW (872 hp), ISO 14396 (DIN) 884 mhp (PS)	✓	
Compressor (2,000 ft^3/min, 125 psi) – Rotary drilling package, 56.6 m^3 (2,000 ft^3/min) at 8.6 bar (125 psi); with low pressure receiver tank for ASME/CRN/AU or CE	✓	
Compressor (1,350 ft^3/min, 500 psi) – DTH drilling package, 38.2 m^3 (1,350 ft^3/min) at 34.4 bar (500 psi), with high pressure receiver tank (500 psi) for ASME/CRN/AU or CE; includes hammer storage and 113.5 L (30 gal) hammer lubrication system		✓
Compressor (1,500 ft^3/min, 350 psi) – DTH drilling package, 42.4 m^3/min (1,500 ft^3/min) @ 24.1 bar (350 psi) with high pressure receiver tank for ASME/DRN/AU or CE; includes hammer storage and 113.5 L (30 gal) hammer lubrication system		✓
CAB OPTIONS		
Standard – Includes a fabric seat, single pane window glass, removable driller window guard, and a windshield wiper for driller window	✓	
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		✓
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		✓
Viewing hatch for hole spotting with spotlight (hydraulically operated)		✓
Foldaway trainer's seat with retractable seat belt		✓
Window shades		✓
Cabin pressure manometer gauge		✓
Cab roof access system (includes ladders, cage and rails)		✓

	Standard	Optional
CONTROLS		
Drill depth indicator and interlocks, auto-level, auto-mast	✓	
Drill Assist (single pass auto drill)		✓
PRODUCT LINK™/TERRAIN		
Product Link (Cellular)		✓
Product Link (Dual: Satellite + Cellular)		✓
Terrain for Drilling (guidance system)/ with G610 screen		✓
FRAME/DECK		
Fuel tank expansion adds 1416 L (374 gal) tank for a total capacity of 2832 L (748 gal); required for autonomy packages		✓
Machine access via fixed stairs	✓	
Machine access via cascading, hydraulic stairs; includes walkway around cab to drill deck		✓
Fire suppression ready; platform to mount fire suppression bottles and/or diesel gen set		✓
Jib crane ready (mounting kit only)		✓
Toolbox		✓
MAST		
11.2 m (36.7 ft) Mast; angle drilling – vertical to 30° (in 5° increments)		✓
13.6 m (44.6 ft) Mast; angle drilling – vertical to 30° (in 5° increments)		✓
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 HP compressor package)		✓
Overhead winch assembly with remote, cable and hook		✓

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
MAST ACCESSORIES		
11.2 m (36.7 ft) or 13.6 m (44.6 ft):		
Pipe catcher, manual – one wire rope (for 11 m), two wire rope (for 13 m) pipe catcher, bit basket, manual	✓	
11.2 m (36.7 ft) Mast:		
Pipe catcher, hydraulic – one hydraulically actuated pipe catcher, bit basket, hydraulic		✓
13.6 m (44.6 ft) Mast:		
Pipe catcher, hydraulic – one hydraulically actuated pipe catcher, plus one wire rope pipe catcher, bit basket, hydraulic		✓
PIPE CAROUSEL 11.2 M (36.7 FT) MAST/10.6 M (35 FT) PIPE RACK. HOLDS QTY. OF FOUR (SELECT ONE)		
127 mm (5.0 in) pipe; four pods	✓	
140 mm (5.5 in) pipe; four pods	✓	
152 mm (6.0 in) pipe; four pods	✓	
165 mm (6.5 in) pipe; four pods	✓	
178 mm (7.0 in) pipe; four pods	✓	
194 mm (7.625 in) pipe; four pods	✓	
PIPE CAROUSEL 13.6 M (44.6 FT) MAST/6.1 M (20 FT) PIPE RACK. HOLDS QTY. OF FOUR (SELECT ONE)		
127 mm (5.0 in) pipe; four pods	✓	
140 mm (5.5 in) pipe; four pods	✓	
152 mm (6.0 in) pipe; four pods	✓	
165 mm (6.5 in) pipe; four pods	✓	
178 mm (7.0 in) pipe; four pods	✓	
194 mm (7.625 in) pipe; four pods	✓	
BREAK OUT WRENCH (SELECT ONE)		
Variable grip hydraulic break out wrench range 114 mm to 152 mm (4.5 in to 6.0 in)		✓
Variable grip hydraulic break out wrench range 152 mm to 216 mm (6.0 in to 8.5 in)		✓

	Standard	Optional
DRILL TOOL PACKAGES/ROTARY DRILLING FOR 11.2 M (36.7 FT) MAST (SELECT ONE)		
127 mm (5 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
152 mm (6 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
165 mm (6.5 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
178 mm (7 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
194 mm (7.625 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
DRILL TOOL PACKAGES/DTH DRILLING FOR 11.2 M (36.7 FT) MAST (SELECT ONE)		
140 mm (5.5 in); two-piece deck bushing, pipe positioner rollers, deck wrench, cross over hammer adapter; pipe wiper seal	✓	
165 mm (6.5 in); two-piece deck bushing, pipe positioner rollers, deck wrench, cross over hammer adapter; pipe wiper seal	✓	
DRILL TOOL PACKAGES/DUAL PURPOSE DRILLING FOR 11.2 M (36.7 FT) MAST		
168 mm (6.625 in); two-piece bushing, pipe positioner rollers, deck wrench, dual purpose carousel, two each 7.62 m (25 ft) pipes plus sub adapters		✓

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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
DRILL TOOL PACKAGES/ROTARY FOR 13.6 M (44.6 FT) MAST (SELECT ONE)		
127 mm (5 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
152 mm (6 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
165 mm (6.5 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
178 mm (7 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
194 mm (7.625 in); one-piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal	✓	
DRILL TOOL PACKAGES/DTH DRILLING FOR 13.6 M (44.6 FT) MAST (SELECT ONE)		
127 mm (5.0 in); two-piece deck bushing, pipe positioner roller, deck wrench, cross over hammer adapter; pipe wiper seal	✓	
140 mm (5.5 in); two-piece deck bushing, pipe positioner roller, deck wrench, cross over hammer adapter; pipe wiper seal	✓	
165 mm (6.5 in); two-piece deck bushing, pipe positioner roller, deck wrench, cross over hammer adapter; pipe wiper seal	✓	
178 mm (7 in); two-piece deck bushing, pipe positioner roller, deck wrench, cross over hammer adapter; pipe wiper seal	✓	
TOP SUBS (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)	✓	

	Standard	Optional
SHOCK ABSORBER WITH CROSSOVER ADAPTER (REQUIRED FOR DTH, OPTIONAL FOR ROTARY DRILLING) (SELECT ONE)		
127 mm (5 in)		✓
140 mm (5.5 in)		✓
152 mm (6 in)		✓
165 mm (6.5 in)		✓
178 mm (7 in)		✓
194 mm (7.625 in)		✓
SHOCK SUB FOR DUAL PURPOSE DRILLING/11.2 M (36.7 FT) MAST		
168 mm (6.625 in) includes long top sub adapter		✓
DRILL PIPE – 6.1 M (20 FT) PIPE FOR 13.7 M (44.9 FT) MAST; CAROUSEL HOLDS QTY. OF FOUR		
127 mm (5 in) pipe		✓
152 mm (6 in) pipe		✓
178 mm (7 in) pipe		✓
194 mm (7.625 in) pipe		✓
DRILL PIPE – 10.6 M (35 FT) PIPE FOR 11.2 M (36.7 FT) MAST; CAROUSEL HOLDS QTY. OF FOUR		
127 mm (5 in) pipe		✓
140 mm (5.5 in) pipe		✓
152 mm (6 in) pipe		✓
165 mm (6.5 in) pipe		✓
178 mm (7 in) pipe		✓
194 mm (7.625 in) pipe		✓
DRILL PIPE – 10.6 M (35 FT) PIPE FOR 11.2 M (36.7 FT) MAST; DUAL PURPOSE CAROUSEL HOLDS QTY. OF TWO		
168 mm (6.625 in)		✓
TRICONE DRILLING BITS GROUP – QTY. 9 PER PALLET		
171 mm (6.75 in) OPT 2, (M1)		✓
171 mm (6.75 in) OPT 3, (M3)		✓
171 mm (6.75 in) OPT 1, (S2)		✓
200 mm (7.875 in) OPT 2, (M1)		✓
200 mm (7.875 in) OPT 3, (M3)		✓
200 mm (7.875 in) OPT 1, (S3)		✓
229 mm (9 in) OPT 2, (M2)		✓
229 mm (9 in) OPT 3, (H1)		✓
229 mm (9 in) OPT 1, (M1)		✓
251 mm (9.875 in) OPT 2, (M3)		✓
251 mm (9.875 in) OPT 3, (H1)		✓

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Standard and Optional Equipment *(continued)*

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

	Standard	Optional
DTH HAMMERS AND BITS		
DTH Hammer – 152.4 mm (6 in) class with drive sub (all components, less DTH bit assembly)		✓
BITS, 2F-FF-S-HD 171 mm (6.75 in) two flushing holes, flat face with spherical carbides. Heavy duty. Kit includes: nine each bits, four each drive subs, three each additional foot valves, (bits configured with QL60 shank)		✓
BITS, 2F-FF-S 171 mm (6.75 in) two flushing holes, flat face with spherical carbides. Kit includes: nine each bits, four each drive subs, three each additional foot valves, (bits configured with QL60 shank)		✓
BITS, 2F-CC-S 171 mm (6.75 in) two flushing holes, concave with spherical carbides. Kit includes: nine each bits, four each drive subs, three each additional foot valves, (bits configured with QL60 shank)		✓
BITS, 2F-CV-S+B 171 mm (6.75 in) bits, two flushing holes, convex with spherical gauge and ballistic face carbides. Kit includes: nine each bits, four each drive subs, three each additional foot valves, (bits configured with QL60 shank)		✓
BITS, 3F-CV-S+B 171 mm (6.75 in) three flushing holes, convex with spherical gauge and ballistic face carbides. Kit includes: nine each bits, four each drive subs, three each additional foot valves, (bits configured with QL60 shank)		✓
BITS, 3F-FF-S+B 171 mm (6.75 in) three flushing holes, flat face with spherical gauge and ballistic face carbides. Kit includes: nine each bits, four each drive subs, three each additional foot valves, (bits configured with QL60 shank)		✓
BITS, 3F-CC-S+B 171 mm (6.75 in) three flushing holes, concave with spherical gauge and ballistic face carbides. Kit includes: nine each bits, four each drive subs, three each additional foot valves, (bits configured with QL60 shank)		✓

	Standard	Optional
SERVICE PACKAGES/FLUIDS SYSTEM FOR 11.2 M (36.7 FT) OR 13.6 M (44.6 FT) MAST IN ANGLE DRILLING		
Fast fill for fuel and water and automated lubrication system		✓
Central drain/fill service center for lubricants, fast fill for fuel and water, a blow-down hose and automated lubrication system		✓
SERVICE TOOLS		
Lifting bails:		
API thread 89 mm (3.5 in)		✓
API thread 114 mm (4.5 in)		✓
API thread 140 mm (5.5 in)		✓
BECO thread 102 mm (4.0 in)		✓
BECO thread 114 mm (4.5 in)		✓
BECO thread 152 mm (6.0 in)		✓
CLIMATE/REGIONAL CONSIDERATIONS		
Batteries, sealed quantity four (4)	✓	
Batteries, sealed quantity six (6) (required for cold weather Level 2 and 4 and/or semi autonomy packages		✓
Level 1 – Standard fluids and lubricants. With a temperature range of –1° C (30° F) to 52° C (125° F)	✓	
Level 2 – Arctic – Temperature down to –18° C (0° F) Arctic fluids and lubricants		✓
Level 4 – Temperature down to –40° C (–40° F) 50 hz heating components, high pressure compressor. Arctic fluids. Diesel fired heater for engine coolant, primary water tank and batteries. Heated blankets for receiver tank and water suction line. Junction box with provisions for adding customer supplied shore power connector 240V/50A. If needing 60 hz capability, must order 60 hz battery charger through aftermarket		✓
Decals, ANSI	✓	
Decals, ISO	✓	
Certifications, EAEU	✓	
Certifications, CE	✓	

(continued on next page)

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
DUST SUPPRESSION		
Water injection 1271 L (336 gal)	✓	
Water injection 1271 L (336 gal) plus dry dust collector 127 m^3/min (4,500 ft^3/min)		✓
Water injection, high volume 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	✓	
Dust curtain hydraulic lifters raise front and rear dust curtains (recommended with dust collector)		✓
Tram off spray to wet the ground around the cuttings pile		✓

	Standard	Optional
UNDERCARRIAGE; CAT 336E EL (SELECT ONE)		
Triple grousers 600 mm (23.6 in); for hard rock 0.88 bar (12.7 psi) ground pressure	✓	
Triple grousers 750 mm (29.5 in); for soft rock 1.10 bar (15.9 psi) ground pressure	✓	

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

AEXQ3140-01 (11-2022)
Replaces AEXQ3140
(Global)

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

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