

# MD6250

## Rotary Blasthole Drill Specifications

### 11.2 or 13.6 m (36.7 or 44.6 ft) Mast Configurations



#### Description

The MD6250 crawler-mounted blasthole drill is designed to drill from 152-250 mm (6-9.8 in) diameter holes. MD6250 is optimized for single-pass or multi-pass drilling, in both Rotary and DTH drilling modes.

#### Basic Specs

##### 11.2 m (36.7 ft) mast

Hole diameter range	Up to 152-250 mm	Up to 6-9.8 in
Hole depth range		
Single pass depth	11.2 m	36.7 ft
Multi-pass depth	Down to 53.6 m	Down to 176.7 ft
Pull-down capacity	Up to 20 411 kg	Up to 45,000 lb
Hoist capacity	Up to 20 411 kg	Up to 45,000 lb
Hoist speed	0.81 m/sec	2.67 ft/sec
Bit load (single pass)	Up to 22 321 kg	Up to 49,210 lb

##### 13.6 m (44.6 ft) mast

Hole diameter range	Up to 152-250 mm	Up to 6-9.8 in
Hole depth range		
Single pass depth	13.6 m	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 22 113 kg	Up to 48,750 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

#### Basic Specs (continued)

##### U.S. EPA Tier 2 equivalent

Engine	C27 ACERT™ @ 1,800 rpm
Emissions	U.S. EPA Tier 2 equivalent
Rated horsepower	652 kW      875 hp
Elevation capability	4750 m      15,000 ft

##### U.S. EPA Tier 4 Final

Engine	C27 ACERT @ 1,800 rpm
Emissions	U.S. EPA Tier 4 Final
Rated horsepower	655 kW      879 hp
Elevation capability	3658 m      12,000 ft

Compressor, Rotary drilling      56.6 m<sup>3</sup>/min (2,000 ft<sup>3</sup>/min)  
@ 8.6 bar (125 psi)

Compressors, DTH drilling      38.2 m<sup>3</sup>/min (1,350 ft<sup>3</sup>/min)  
@ 34.4 bar (500 psi)  
42.2 m<sup>3</sup>/min (1,500 ft<sup>3</sup>/min)  
@ 24.1 bar (350 psi)

Angle drilling available      30° (in 5° increments)

# MD6250 Specifications

## Engine Choices

U.S. EPA Tier 2 equivalent

Engine	C27 ACERT @ 1,800 rpm	
Emissions	U.S. EPA Tier 2 equivalent	
Rated horsepower	652 kW	875 hp

U.S. EPA Tier 4 Final

Engine	C27 ACERT @ 1,800 rpm	
Emissions	U.S. EPA Tier 4 Final	
Rated horsepower	655 kW	879 hp

- Dual starter motors
- Ether starting aid
- Scheduled oil sampling (S-O-S<sup>SM</sup>) ports
- Common air intake filters provide +500 hour service interval normal operating conditions

## Compressor Choices

DTH drilling	Includes tool lubrication and hammer storage	
1350 cfm/500 psi	38.2 m <sup>3</sup> /min (1,350 ft <sup>3</sup> /min) @ 34.4 bar (500 psi) includes 113 L (30 gal) tool oiler	
1500 cfm/350 psi	42.2 m <sup>3</sup> /min (1,500 ft <sup>3</sup> /min) @ 24.1 bar (350 psi) includes 113 L (30 gal) tool oiler	
Rotary drilling	Includes lubrication system	
2000 cfm/125 psi	56.6 m <sup>3</sup> /min (2,000 ft <sup>3</sup> /min) @ 8.6 bar (125 psi) optional tool oiler 113 L (30 gal)	

With the compressors variable volume control, the operator can limit air output and engine speed both resulting in reduced fuel consumption. All of these compressors contain this feature.

Compressor control box enclosure with purged air lines

## Receiver Tank Choices

- 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 of 52° C (125° F)
- Automatic variable speed fan control

## Regulatory Compliance

- CE compliant
- EAEU certifiable
- CSA certified
- Tier 2 and Tier 4 Final configurations
- MDG15 and MDG41 aligned

## Climate Choices

Climate Level 1 Standard fluids and lubricants

- -1° C (30° F)
- Withstands high heat to 52° C (125° F)

Climate Level 2 Arctic fluids and lubricants

- -18° C (-0.4° F)

Climate Level 4 Arctic fluids and lubricants

- -40° C (-40° F) Level 4 Arctic fluids and lubricants; -40° C (-40° F) Temps
- Engine coolant and water tank heater, battery trays and provision for fuel heating – diesel fired
- 50 Hz High Pressure (or choose Low Pressure) Compressor, Tier 4 engine
- Arctic fluids, Genset ready, heaters and blankets for tanks, extra batteries, heated water suction lines, drill pipe thread grease bucket
- Shore power connection box with switchable 240-600 volt, 50 amp waterproof connection

## Frame and Work Deck

- Jacks, mast pivot and 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)
- Slip resistant surface on all decks and walkways
- Fuel tank capacity 1609 L (425 gal)
- Fuel capacity expansion for additional 1609 L (425 gal)
- 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
- Walkway, with railing and toe guards, for cab perimeter to drill deck
- Fire suppression ready (includes platform on non-drill end to mount bottles, and frame around power train to mount nozzles)
- Deck mounted jib crane with 750 kg (1,653 lb)
- Pipe guide roller assembly mounted on drill deck for loading drill pipe

## Frame Access Choices

- Access ladder to the cab area with spring loaded self-closing gate
- Cascading, hydraulic stairs with walkway around the cab to the deck. Includes tram interlock for when the ladder is down.

## Drill Deck Misc.

- Toolbox
- Hydraulic viewing hatch on drill deck with spotlight
- Drill pipe thread greaser with remote fill tank or disposable grease bucket
- Deck mounted jib crane with 750 kg (1,653 lb)

## Undercarriage

Model	Cat® 336E EL Excavator type	
Ground clearance	618 mm	24 in
Carrier rollers	Three carrier rollers	
Track guiding guards and guides	Two	
Drawbar pull	417 000 N	93,745 lbf
Travel speed display	2.45 kph	1.5 mph
Triple grousers	600 mm (23.6 in); for hard rock 1.44 bar (21 psi) ground pressure	
Triple grousers	750 mm (29.5 in); for soft rock 1.17 bar (17 psi) ground pressure	

## Hydraulics

- Auxiliary circuit pump
- Two fan pumps
- Two primary pumps
- Charge pump
- Scheduled Oil Sampling (S-O-S) ports

## Mast and Pipe Carousel Features

- 11.2 m (36.7 ft) mast pipe carousel; takes four 10.6 m (35 ft) pipes for 53.6 m (176.7 ft) total hole depth
- 13.6 m (44.6 ft) mast pipe carousel; takes four 7.6 m (20 ft) pipes for 37.9 m (124.6 ft) total hole depth
- Vertical or angle drilling 0-30°; in 5° increments
- Hydraulically actuated, self-indexing pipe carousel accepts various pipe diameters
- All mast configurations are designed for changing bit above deck
- Single cylinder pulldown/hoist system
- Auto tensioning of pull down and hoist cables
- Deck wrench fits flats of corresponding drill pipe diameters and DTH hammer
- Feed system accommodates multiple pipe diameters
- Base plate bushing diameters accommodate bits 152-216 mm (6.0-8.5 in)
- Hydraulic break out wrenches (HOBO) available with adjustable grip ranges
- Configured with roller deck bushing
- Pipe positioner with pipe diameter specific inserts
- Overhead winch with remote; variable speed drive with ≥ 1818 kg (4,000 lb) rating, length to reach 6 m (20 ft) past drill deck (option)
- Tool oiler, 113 L (30 gal) oil injection system
- Variable hydraulic break out wrench grip range choices are 114 mm to 152 mm (4.5 in to 6.0 in) or 152 mm to 216 mm (6.0 in to 8.5 in)
- Camera on mast is closed circuit and used to view the pipe carousel/top drive operation
- Pipe positioner for angle drilling, multi-pass pipe handling
- Rotation gear box with single motor, up to 160 rpm, up to 11 600 N·m (8,555 lbf-ft) torque
- Manual pipe catcher – One (1) wire rope hydraulically actuated pipe catcher, pipe positioner, manual bit basket or
- Hydraulic – One (1) hydraulic pipe catcher, hydraulically actuated pipe positioner, hydraulic bit basket

# MD6250 Specifications

## Mast Packages: Standard or Premium Choices

11.2 m (36.7 ft) Mast		
Single pass depth	11.2 m	36.7 ft
Multi pass depth	Down to 53.6 m	Down to 176.7 ft
Pulldown – rated single cylinder pull-down/hoist system	Up to 20 411 kg	Up to 45,000 lb
Hoist	Up to 20 411 kg	Up to 45,000 lb
13.6 m (44.6 ft) Mast		
Single pass depth	13.6 m	44.6 ft
Multi pass depth	Down to 37.9 m	Down to 124.6 ft
Pulldown	Up to 29 483 kg	Up to 65,000 lb
Hoist	Up to 22 113 kg	Up to 48,750 lb
Angle drilling	Available with any mast	

## Mast Accessories

- 11.2 m (36.7 ft) or 13.6 m (44.6 ft) Manual pipe catcher – One (1) wire rope hydraulically actuated pipe catcher, pipe positioner, manual bit basket
- 11.2 m (36.7 ft) Mast Hydraulic – One (1) hydraulic pipe catcher, hydraulically actuated pipe positioner, hydraulic bit basket
- 13.6 m (44.6 ft) Mast Hydraulic – One (1) hydraulic pipe catcher, plus one (1) wire rope, hydraulically actuated pipe positioner, hydraulic bit basket

## Drill Pipe (Mast size dependent)

### 7.6 m (20 ft) pipes 13.6 m (44.6 ft) Mast – Requires quantity of four (4)

Rotary/DTH	127 mm	5 in
Rotary	152 mm	6 in
Rotary	178 mm	7 in
Rotary	193 mm	7.625 in
DTH	139 mm	5.5 in
DTH	165 mm	6.5 in

### 10.6 m (35 ft) pipes 11.2 m (36.7 ft) Mast – Requires quantity of four (4)

Rotary/DTH	127 mm	5 in
Rotary	152 mm	6 in
Rotary	178 mm	7 in
Rotary	193 mm	7.625 in
DTH	139 mm	5.5 in
DTH	165 mm	6.5 in

## Tool Package Rotary

- One-piece roller deck bushing
- Pipe positioner roller
- Deck wrench
- Cross over subs
- Pipe wiper seal
- Drill tool lubricator

## Tool Package DTH

- Two-piece bushing
- Pipe positioner inserts
- Sliding deck wrench
- Cross over adapter for hammer
- Pipe wiper seal

## Overhead Winch System with remote (option)

Capacity rating	1818 kg	4,000 lb
Cable diameter	13 mm	0.5 in
Reach – past the drill deck	6.1 m	20 ft

- Variable speed drive

## Rotary Head Top Drive System

Torque, single motor	11 600 N·m	8,555 lbf-ft
Rotation speed	0-150 rpm	

- Spindle – 138 mm (5.5 in) API regular thread with splined collar, shock sub
- Rotary torque control
- Virtual rotary head travel interlocks

## Operator Environment

- Spacious FOPS cab has 3 m<sup>2</sup> (32.4 ft<sup>2</sup>) floor space with an integrated operator station
- Cab rubber shock-mounts absorb mechanical vibration and restrict exterior noise
- Operator station design integrates an ergonomic seat, joystick controls with full instrumentation, and dual 254 mm (10 in) color displays, high definition screen 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 radio
- Top of cab access ladder
- Two swing out doors and Cat keyed locks
- Literature holder

### Seating:

- Seat cover in fabric, or a leather option with heat and cooling
- Seat swivels, locks and has two point/76 mm (3 in) seat belt, tilts (5° adjustment), lumbar support, fore/aft seat adjustment 80 mm (3.1 in)
- Fold away trainer's seat with seat belt (option)

### Windows:

- Large windows front, rear and right cab side; full length drill window with guard (option), single or double pane glass
- Window shade (option)
- Windshield wipers with a common washer tank
- Manometer Pressure Gauge (option)

### Lighting:

- LED interior lights and map light at operators seat, backlit joysticks and keypads
- Flood lights for the drill perimeter
- Spot lights for power group area; drill deck; mast carousel; access ladder and walkways
- Standard lighting is 1,300 lumens flood light on perimeter, area spot lights have 1,950 lumens
- Premium lighting is 4,200 lumens per flood light on perimeter
- Mast clearance lights, cab mounted strobe, front mounted tram beacon

### HVAC:

- HVAC floor vent in the foot rest area
- Roof-mounted air conditioner/heating/pressurizing unit
- Filter access from deck, 500 service interval
- Defogging HVAC vents on main window

### Cameras:

- Two (2) 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, tramping, leveling plus auxiliary functions
- Rotary torque control
- Virtual rotary head travel stops
- Pipe positioner engaged/disengaged indicator
- Drill depth meter
- Drill performance and display system
- Pump drive gearbox temperature system
- Delayed engine shut down
- Filter indicators for hydraulic, fuel, compressor and engine
- Jack pressure sensors in display
- Data logging of machine health with warnings and fault code records with export capability
- 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)
- Pre wired for Terrain and Autonomous Operation

## Premium Controls

- Package 1 Controls, Drills Assist
- Auto level
- Auto mast
- Auto drill single pass
- Auto retract

## Automation and Technology

- Autonomous ready
- Drill depth indicator
- Drill Assist (auto level, auto retract, auto mast, single pass auto drill)
- Cat Terrain ready
- Product Link Elite – Satellite, Cellular, Dual (options)
- Wiring for third party interface

# MD6250 Specifications

## Dust Control Choices

Water injection – tank mounted below front deck	1271 L	336 gal
Self-purging for winterization		
Water flow meter, volume control, tank fill level indicator		
Water injection plus dust collector		
127 m <sup>3</sup> /min (4,500 ft <sup>3</sup> /min) dust collector; includes standard water injection		
Dust collector box with ground level access		
Self-cleaning filters, dust chute clean-out door		
High volume water injection (maximum) – tanks total capacity	2786 L	736 gal
Tank below deck – capacity (isolated for extreme cold weather)	1514 L	400 gal
Tank above deck – capacity	1271 L	336 gal

- Foam injection system
- Static dust curtains, four sides boxed enclosed
- Water pump interlock
- Dust curtain hydraulic lifters raise front and rear dust curtains (option) (recommended with dust collector)
- Tram off spray system (option)

## Safety and Security

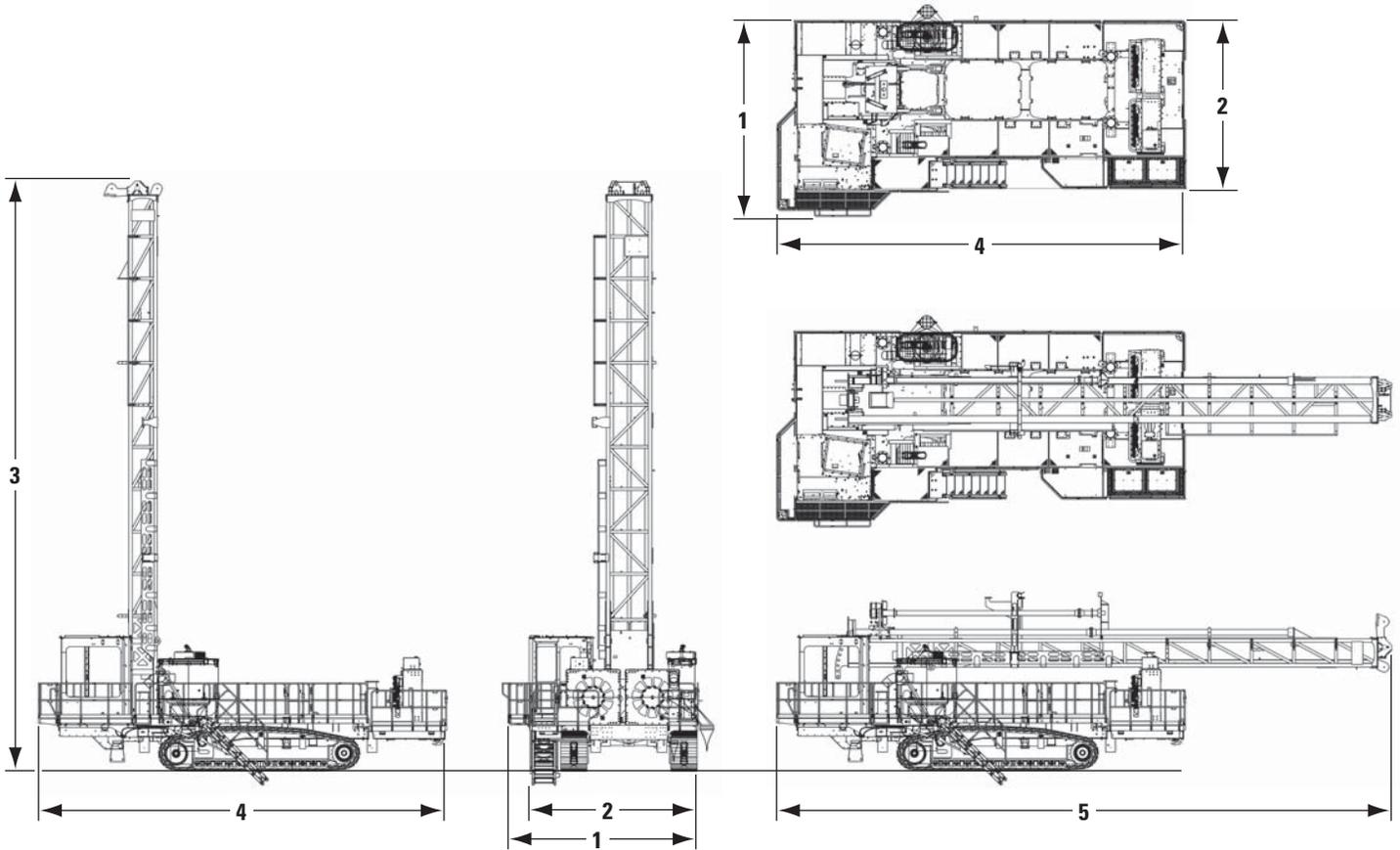
- Fire suppression ready
- Approach angle of 15 degrees facilitates loading and unloading on a lowboy
- Alloy drill deck covers, for servicing when mast is horizontal
- Seven (7) engine shut down buttons, by each drill egress/access point, in cab, in engine area, on drill deck
- Hinged window guard over 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 with yellow strobe light
- Under deck mount battery box with keyed battery disconnect/ starter lockout/remote jump start terminals
- Air hose retention device
- Slip resistant surfaces
- Tow hooks
- Lifting lugs

## Service Packages

- Basic – Centralized manual lubrication for all pivot points, gravity fill for fuel and water
- Standard – Fast fill for fuel and water, automated lubrication system
- Premium – Service center for lubricant drain and fill, automated lubrication system, fast fill fuel and water, blowdown hose

## Dimensions

All dimensions are approximate.



	11.2 m (36.7 ft) Mast		13.6 m (44.6 ft) Mast	
1 Width front	5.624 m	18.45 ft	5.624 m	18.45 ft
2 Width rear	4.819 m	15.81 ft	4.819 m	15.81 ft
3 Height mast up	17.011 m	55.81 ft	19.460 m	63.84 ft
4 Body length	11.708 m	38.41 ft	11.708 m	38.41 ft
5 Length mast down	17.721 m	58.13 ft	20.170 m	66.17 ft

## Weights

Working weight range	56 468 kg to 64 154 kg	124,490 lb to 141,436 lb
----------------------	------------------------	--------------------------

# MD6250 Configuration Choices

## Mandatory Choices

Mandatory choices may vary. Consult your Cat dealer for details.

### ENGINE

- C27 ACERT, 652 kW (875 hp), 1,800 rpm Tier 2 equivalent
- C27 ACERT, 655 kW (879 hp), 1,800 rpm Tier 4 Final

### COMPRESSOR/RECEIVER TANK

- Rotary/Low Pressure:
  - 56.6 m<sup>3</sup>/min (2,000 ft<sup>3</sup>/min) @ 8.6 bar (125 psi); with Low Pressure Receiver Tank for ASME/CRN/AU or CE Tank
- DTH/High Pressure:
  - 38.2 m<sup>3</sup>/min (1,350 ft<sup>3</sup>/min) @ 34.4 bar (500 psi), with High Pressure Receiver Tank (500 psi) for ASME/CRN/AU or CE Tank; hammer storage and 113 L (30 gal) tool oiler
  - 42.2 m<sup>3</sup>/min (1,500 ft<sup>3</sup>/min) @ 24.1 bar (350 psi), with High Pressure Receiver Tank (350 psi) for ASME/CRN/AU or CE Tank; hammer storage and 113 L (30 gal) tool oiler

### DRILL DECK MISCELLANEOUS

- Toolbox
- Jib crane
- Drill pipe thread greaser with remote fill tank or disposable grease bucket

### FRAME ACCESS

- Fixed access ladder
- Cascading, hydraulic stairs with walkway around the cab to the deck

### UNDERCARRIAGE

- 600 mm (23.6 inch) triple grousers – hard rock with rock guards
- 750 mm (29.5 inch) triple grouser – soft rock

### MAST

- 11.2 m (36.7 ft) Mast
  - Single pass depth – 11.2 m (36.7 ft)
  - Multi pass depth – Up to 53.6 m (176.7 ft)
  - Vertical or angle drilling package
- 13.6 m (44.6 ft) Mast
  - Single pass depth – 13.6 m (44.6 ft)
  - Multi pass depth – Up to 37.9 m (124.6 ft)
  - Vertical or angle drilling package

### MAST ACCESSORIES

- 11.2 (36.7 ft) or 13.6 (44.6 ft) Mast
  - Manual pipe catcher – One (1) wire rope hydraulically actuated pipe catcher, pipe positioner, manual bit basket
- 11.2 m (36.7 ft) Mast
  - Hydraulic – One (1) hydraulic pipe catcher, hydraulically actuated pipe positioner, hydraulic bit basket
- 13.6 m (44.6 ft) Mast
  - Hydraulic – One (1) hydraulic pipe catcher, plus one (1) wire rope, hydraulically actuated pipe positioner, hydraulic bit basket

### PIPE CAROUSEL

- Quantity four (4) – 7.6 m (20 ft) pipe for 13.6 m (44.6 ft) mast
- Quantity four (4) – 10.6 m (35 ft) pipe for 11.2 m (36.7 ft) mast

### BREAK OUT WRENCH

- Variable grip hydraulic break out wrench grip range:
  - 114-152 mm (4.5-6.0 in)
  - 152-216 mm (6.0-8.5 in)

## Mandatory Choices *(continued)*

Mandatory choices may vary. Consult your Cat dealer for details.

### DRILL TOOL PACKAGES – 11.2 m (36.7 ft) MAST

- Rotary 127 mm (5 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal, drill tool lubricator
- Rotary 152 mm (6 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal, drill tool lubricator
- Rotary 165 mm (6.5 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal, drill tool lubricator
- Rotary 178 mm (7 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal, drill tool lubricator
- Rotary 193 mm (7.625 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner roller, deck wrench, cross over subs, pipe wiper seal, drill tool lubricator
- DTH 139 mm (5.5 in) pipe diameter – Two (2) piece bushing, pipe positioner inserts, sliding deck wrench, cross over adapter for hammer, pipe wiper seal
- DTH 165 mm (6.5 in) pipe diameter – Two (2) piece bushing, pipe positioner inserts, sliding deck wrench, cross over adapter for hammer, pipe wiper seal

### DRILL TOOL PACKAGES – 13.6 m (44.6 ft) MAST

- Rotary 127 mm (5 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner inserts, sliding deck wrench, cross over hammer adapter, pipe wiper seal
- Rotary 152 mm (6 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner inserts, sliding deck wrench, cross over hammer adapter, pipe wiper seal
- Rotary 165 mm (6.5 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner inserts, sliding deck wrench, cross over hammer adapter, pipe wiper seal
- Rotary 178 mm (7.0 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner inserts, sliding deck wrench, cross over hammer adapter, pipe wiper seal
- Rotary 193 mm (7.625 in) pipe diameter – One (1) piece roller deck bushing, pipe positioner inserts, sliding deck wrench, cross over hammer adapter, pipe wiper seal
- DTH 139 mm (5.5 in) pipe diameter – Two (2) piece bushing, pipe positioner inserts, sliding deck wrench, cross over adapter for hammer, pipe wiper seal
- DTH 165 mm (6.5 in) pipe diameter – Two (2) piece bushing, pipe positioner inserts, sliding deck wrench, cross over adapter for hammer, pipe wiper seal

### OPERATOR ENVIRONMENT

- Lighting
  - Standard Light, 1,300 lumens flood light on perimeter, area spot lights have 1,950 lumens
  - Premium Light, 4,200 lumens per flood light on perimeter, area spot lights have 1,950 lumens mast clearance lights and cab mounted yellow strobe light and front mounted tram beacon
- Seat
  - Cat fabric seat with (76 mm/3 in) inertia reel and a three point harness
  - Cat leather seat, heated and ventilated, with three point harness, headrest and upgraded suspension
- View hatch
- Hydraulically operated viewing hatch in drill deck with spotlight
- Cab glass
  - Dual pane glass
  - Laminated single pane glass
- Decals/Films
  - ANSI
  - ISO

### SERVICE PACKAGES

- Basic – Centralized manual lubrication for all pivot points, gravity fill fuel and water
- Standard – Fast fill for fuel and water, automated lubrication system
- Premium – Service center for lubricants drain and fill, fast fill fuel and water, automated lubrication system, blowdown hose

# MD6250 Configuration Choices

## Mandatory Choices *(continued)*

Mandatory choices may vary. Consult your Cat dealer for details.

### DUST CONTROL

- Water injection system
  - 1271 L (336 gal) mounted below front deck
- Water injection plus dry dust collector
  - 127 m<sup>3</sup>/min (4,500 cfm) dust collector
  - Water storage 1271 L (336 gal)
  - 6 L/min (1.5 gpm) consumption rate
- High volume water injection
  - Water storage 2786 L (736 gallon)
  - 1514 L (400 gal) tank mounted below deck
  - 1271 L (336 gal) mounted above deck
  - 6 L/min (1.5 gpm) consumption rate

### BATTERIES

- Four (4) Cat sealed batteries
- Six (6) Cat sealed batteries – required for cold weather level 2 and 4 and/or autonomy packages

### CLIMATE

- Climate Level 1
  - -1° C (30° F)
  - Withstands high heat to 52° C (125° F)
  - Standard fluids and lubricants
- Climate Level 2
  - -18° C (-0° F)
  - Arctic fluids
  - Requires two additional batteries
- Climate Level 4
  - -40° C (-40° F)
  - Engine coolant and water tank heater, battery trays and provision for fuel heating – diesel fired
  - 50 Hz high pressure compressor, Tier 4 engine
  - Arctic fluids, Genset ready, heaters and blankets for tanks, extra batteries, heated water suction lines, drill pipe thread grease bucket
  - Shore power connection box supports switchable 240-600 volt, 50 amp waterproof connection

### REGULATORY COMPLIANCE

- CE compliant
- EAEU certifiable
- CSA certifiable
- MDG15 and MDG41 aligned

### TECHNOLOGY AND AUTOMATION

- Drill depth indicator and interlocks
- Drill Assist (auto level, auto retract, auto mast, single pass auto drill)
- Product Link Elite (see selection choices below)

## Factory Options

Options may vary. Consult your Cat dealer for details.

### FRAME

- Fuel tank expansion of +1609 L (425 gal) for total of 3218 L (850 gal) (option) required for autonomy packages
- Fire suppression ready (includes platform on non-drill end to mount bottles, and frame around power train to mount nozzles)

### MAST

- Overhead winch with remote; variable speed drive with  $\geq 1818$  kg (4,000 lb) rating, length to reach 6 m (20 ft) past drill deck (option)
- Tool oiler, 113 L (30 gal) oil injection system for Rotary Drilling

### SERVICE TOOLS

- Bushing retention tool – 89 to 152 mm (3.5 to 6.0 in) pipe diameter
- Lifting bails (available on request; required for commissioning)
- API thread 89 mm (3.5 in)
- API thread 114 mm (4.5 in)
- API thread 140 mm (5.5 in)
- BECO thread 101 mm (4 in) for 140 mm (5.5 in) pipe
- BECO thread 114 mm (4.5 in) for 152 mm (6.0 in), 165 mm (6.5 in), 178 mm (7.0 in) pipe

### OPERATOR ENVIRONMENT

- Fold up trainer's seat with seat belt
- Manometer pressure gauge
- Window guard
- Window shades

### TECHNOLOGY PRODUCTS

- Product Link Elite; satellite, cellular or dual

### DUST SUPPRESSION

- Dust curtain hydraulic lifters raise front and rear dust curtains (recommended with dust collector)
- Tram off spray system

### DRILL PIPE

- **7.6 m (20 ft) pipes 13.6 m (44.6 ft) Mast – Requires quantity of four (4)**
  - Rotary 127 mm (5 in)
  - Rotary 152 mm (6 in)
  - Rotary 178 mm (7 in)
  - Rotary 193 mm (7.625 in)
  - DTH 139 mm (5.5 in)
  - DTH 165 mm (6.5 in)
- **10.6 m (35 ft) pipes 11.2 m (36.7 ft) Mast – Requires quantity of four (4)**
  - Rotary 127 mm (5 in)
  - Rotary 152 mm (6 in)
  - Rotary 178 mm (7 in)
  - Rotary 193 mm (7.625 in)
  - DTH 139 mm (5.5 in)
  - DTH 165 mm (6.5 in)

# MD6250 Rotary Blasthole Drill

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2017 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, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEHQ7996-02 (05-2017)  
Replaces AEHQ7996-01

