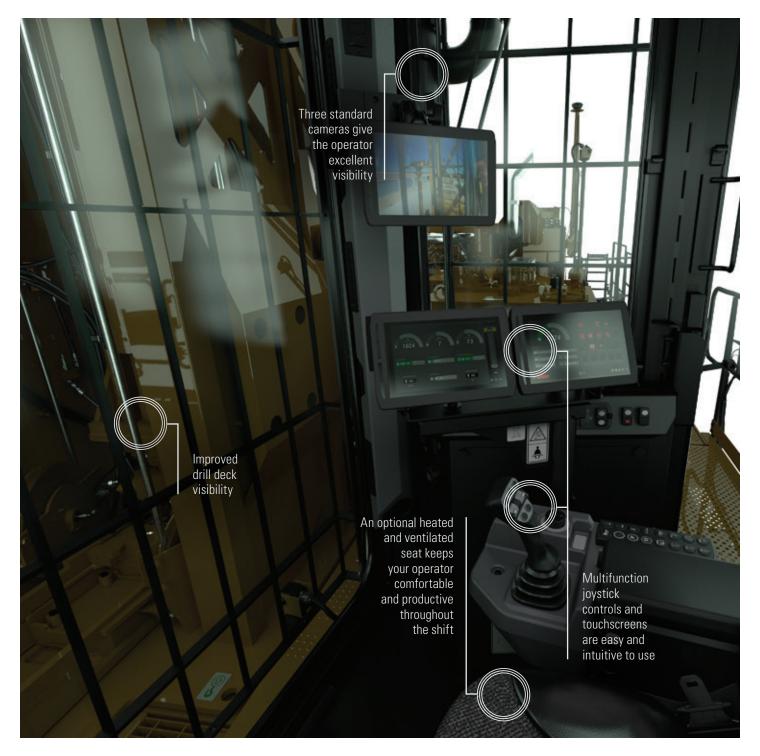


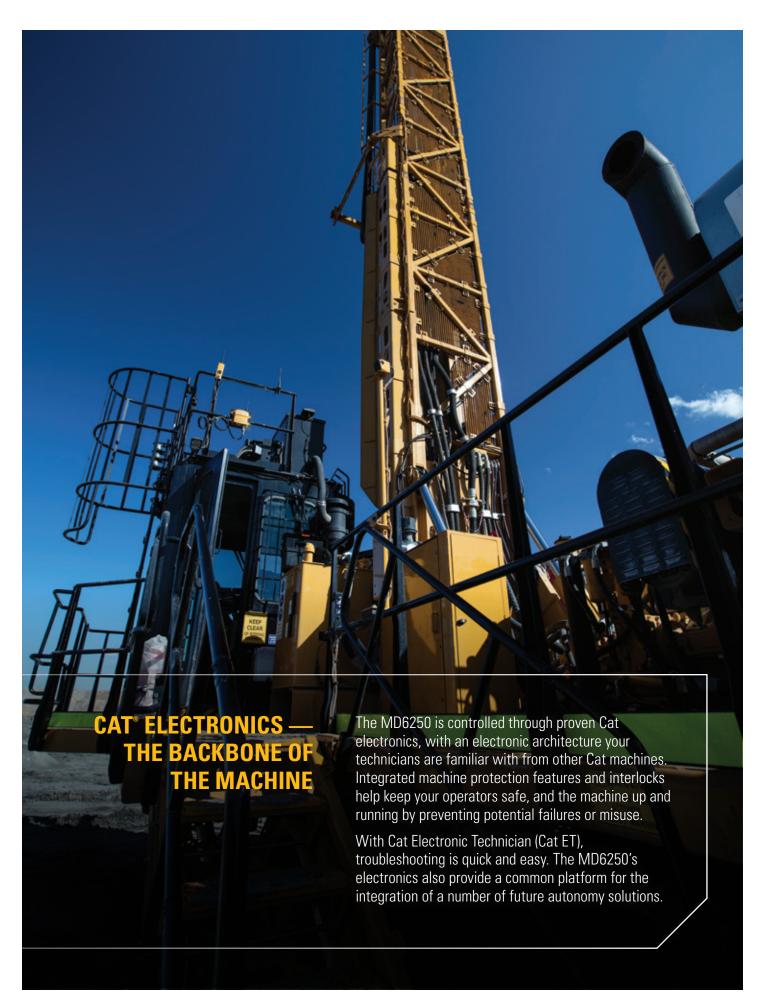


CAB AND OPERATOR STATION

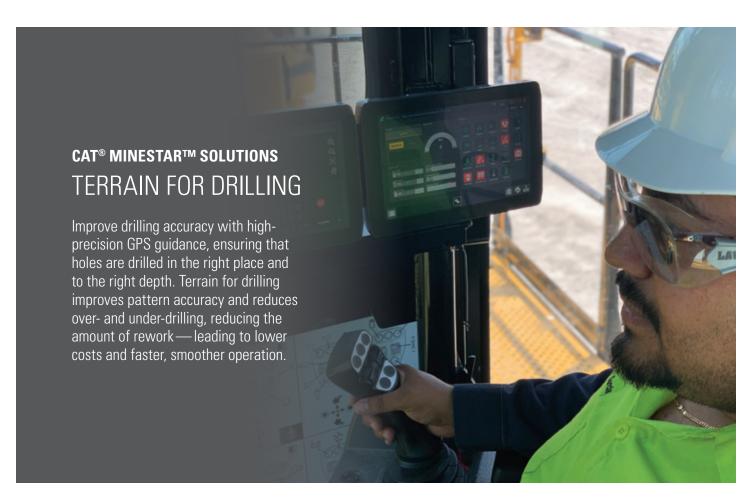
FOR SAFETY AND COMFORT

The MD6250 cab offers the comfort and control you expect from a Cat machine













MORE TIME DRILLING

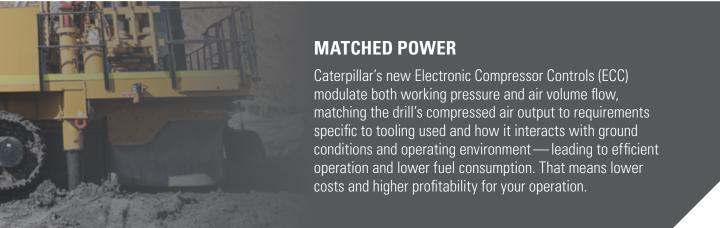
LESS TIME SERVICING

The MD6250 was designed from the ground up to offer easy service access and extended preventive maintenance intervals. Neat and uniform hydraulic hose and wiring harness runs, grouped service points and open access to components help your maintenance personnel keep the machine running for superior uptime and availability

Large water and fuel tanks reduce time spent refilling. Commonality of consumables between the Cat drill family mean you can keep fewer parts on hand, further simplifying service. And with onboard drill health monitoring and Cat Electronic Technician, troubleshooting is quick and simple.

Caterpillar's onboard drill health and performance monitoring help mine management plan for both operations and maintenance.





TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE CHOICES

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·SSM) ports
- + Ether starting aid (ether bottle supplied locally)

COMPRESSOR/RECEIVER CHOICES

Comp

pressor	
Rotary drilling	56.6 m³/min (2,000 ft³/min) @ 8.6 bar (125 psi)
DTH Drilling	38.2 m³/min (1,350 ft³/min) @ 34.4 bar (500 psi)
DTH drilling	42.4 m³/min (1,500 ft³/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 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 up to 52° C (125° F)
- + Automatic variable speed fan control

CLIMATE CHOICES

Climate Level 1 Standard Fluids and Lubricants

- + Rated down to -1° C (30° F)
- + Withstands high heat 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 travs
- + 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
- 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
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

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	
0: 11 440 /55: \ABI 1 11 1:11 1: 11		

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

MAST AND PIPE RACK CAROUSEL FEATURES		
11.2 m (36.7 ft) Mast		
Hole Diameter Range Single-Pass Depth Multi-Pass Depth	152-250 mm 11.2 m Down to 53.9 m	6-9.875 in 36.7 ft 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	2.65 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 Single-Pass Depth Multi-Pass Depth	152-250 mm 13.6 m Down to 37.9 m	6-9.875 in 44.6 ft 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
. Most configurations complete with him well consumed and small		

- 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
- + Sliding deck wrench assembly
- Configured with roller deck bushing for tricone applications, twopiece 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

MAST PACKAGES		
Mast Accessories Manual 11.2 m (36.7 ft) or 13.6 m (44.6 ft) Mast	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

Dual purpose carousel pipe:

- + 11.2 m (36.7 ft) Mast: holds quantity of two (2) 10.6 m (35 ft) pipes and quantity of two (2) 7.62 m (25 ft) pipes, and adaptors to connect to DTH hammer and tricone bit (DTH hammer and tricone not included)
- + Dual purpose pipe carousel accepts 140 mm (5.5 in) or 168 mm (6.625 in) pipe contact factory for additional pipe diameters

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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 PI	PE	
10.6 m (35 ft) Pipes for 11.2 m (36.7 ft) M	ast – holds quantity o	of four (4)
	127 mm	5.0 in
	140 mm	5.5 in
	152 mm	6.0 in
	165 mm	6.5 in

	102 111111	0.0 111
	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



ROTARY DRILL

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