



Cat® 972M

Corrosion Resistant

The new M Series corrosion-resistant package adds real value in protecting your machine investment. An industry-unique factory treatment provides more protection for all machine components that can be affected by corrosive materials. It's designed for improving reliability and durability in demanding corrosive environments such as fertilizer plants, chemical industries, agriculture, salt water ports, and others.

Meets U.S. EPA Tier 4 Final and EU Stage IV emission standards.

Reliability

- Cat® C9.3 ACERT™ engine and automatic Cat regeneration system offers increased power density with a combination of proven electronic, fuel and air systems.
- Rigorous component design and machine validation processes results in unmatched reliability, durability, and high uptime.

Durability

- Heavy-duty powershift transmission and axles handle extreme applications.
- Full-flow hydraulic filtration system with additional loop filtration improves hydraulic system strength and component life.

Productivity

- Engine power increased by approximately 10% improves machine performance and response (compared to H Series).
- Lock-up clutch torque converter, combined with lock-to-lock shifting, delivers smooth shifts, fast acceleration, and speed on grade.
- Easy-to-load performance series buckets feature a wider mouth and curved side plates that improve material retention (fill factor) and decrease cycle times.
- On-the-go disc-type front manual differential locks (front and rear fully automatic option).
- Optional aggregate handler configuration offers slightly higher payload capability for loose aggregate rehandling.*

Fuel Efficiency

- Up to 10% more fuel efficient than K Series and up to 25% more fuel efficient than H Series loaders.**
- Power dense ACERT engine burns less fuel by providing power and torque when needed.
- Standard productive economy mode provides maximum fuel savings with minimal productivity impact.

Ease of Operation

- Best-in-class operator environment provides unmatched comfort, visibility, and efficiency.
- E-H joystick steering (steering wheel optional) with force feedback for precision control and dramatically decreased operator arm fatigue.
- Intuitive, ergonomic controls and touchscreen multifunction display keep operators focused on their work.
- Ride control system with dual accumulators provides excellent ride quality and lowers cab vibrations.

Safety

- Excellent cab access with wide door, remote door opening option, and stair-like steps.
- Floor to ceiling windshield, large mirrors with integrated spot mirrors, and rear vision camera provide industry-leading all-around visibility.

Serviceability

- One-piece tilting hood with side and rear doors; hydraulic and electrical service centers make access fast and easy.
- Safe, ground level access to fuel fill and daily maintenance points means less servicing time is required.
- Optional, fully integrated Cat autolube system provides full lube system monitoring and diagnostic test visibility.

Cat Connect Technology

- Monitor, manage, and enhance job site operations.
- Cat LINK technologies: VisionLink® enables owners to access data wirelessly to monitor machine health, use, and location.
- Cat DETECT technologies: Integrated rear-vision camera enhances visibility behind machine to help operators work safely. Optional Cat rear object detection increases operator awareness of the working environment which enhances site safety.
- Cat PAYLOAD technologies: Optional Cat Production Measurement 2.0 brings simple and accurate on-the-go payload scale allowing operators to deliver exact loads and work more efficiently. Advanced Productivity subscription provides comprehensive actionable information to help you manage and improve the productivity and profitability of your operations.

*Optional configurations and equipment may vary from region to region and requires conformance to Caterpillar payload policy. Consult your dealer or Cat representative for details.

**Actual results may vary based on factors such as, but not limited to, machine configuration, operator technique, machine application, climate, etc.



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Engine		
Engine Model	Cat C9.3 ACERT	
Maximum Power @ 1800 rpm – SAE J1995	251 kW	337 hp
Maximum Power @ 1800 rpm – SAE J1995 (metric)		341 hp
Maximum Power @ 1800 rpm – ISO 14396	247 kW	331 hp
Maximum Power @ 1800 rpm – ISO 14396 (metric)		336 hp
Maximum Net Power @ 1700 rpm – SAE J1349	223 kW	299 hp
Maximum Net Power @ 1700 rpm – SAE J1349 (metric)		303 hp
Maximum Net Power @ 1700 rpm – ISO 9249	223 kW	299 hp
Maximum Net Power @ 1700 rpm – ISO 9249 (metric)		303 hp
Peak Gross Torque (1200 rpm) – SAE J1995	1728 N•m	1275 lb-ft
Peak Gross Torque (1200 rpm) – ISO 14396	1710 N•m	1261 lb-ft
Maximum Net Torque (1000 rpm)	1654 N•m	1220 lb-ft
Displacement	9.3 L	568 in³

Protection Features	
1	Silicon Protection – Applied to all electric terminals: alternator, disconnect switch, start-up motor, engine ground cable, and battery cables to maximize component life. Exposed connectors are treated with shrinkable heat tube.
2	Extra Heavy Duty Alternator
3	Heavy Duty Switch Disconnect
4	Zerust Vapor Capsules – Applied on the CAB panel, ECM, and fuse box to retard the corrosion process. The vapor capsules work in enclosed spaces to emit vapor corrosion inhibiting molecules that settle on and protect metal surfaces.
5	Grease Points – On cab door hinges.
6	Grease Points – On hood articulated pins.
7	Hydraulic System Protection – Hoses treated with shrinkable heat tube and silicone sealant.
8	Cooling Group Protection – Cores protected with an E-coat paint process, special latch, and grease points on the hinges.
9	Painting – Provides paint that is more than two times the thickness of the standard paint. Extra primer coats are applied before the final polyurethane top coat ensuring extra resistance against corrosion. Protection is applied to the entire machine.
10	Extra Varnish Protection – Is applied in the engine compartment and non-painted metallic parts.
11	Turbine Precleaner – Efficient cleaning of air intake by ejecting particles of corrosive substances.
Optional Attachments*	
12	Variable Pitch Fan
13	Auto Lube System

*Recommended for Corrosive Environments

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Please contact your local dealer for availability of work tools specific for this application

