



Cat[®] 962M Z

Wheel Loader

The new 962M Z Wheel Loader has an ACERT™ engine equipped with a combination of proven electronic, fuel, air and aftertreatment components. Applying proven technologies systematically and strategically lets us meet our customer's high expectations for productivity, fuel efficiency, reliability and service life. Deep system integration results in reduced emissions, improved performance and improved fuel economy without interrupting machine performance making it seamless to operators. M Series Loaders are 10% more fuel efficient than the K Series Loaders and up to 25% more efficient than the H Series Loaders they replace.* Optional configurations are available.**

RELIABILITY, PRODUCTIVITY AND FUEL EFFICIENCY

- 10% more fuel efficient than K Series*
- Up to 25% more efficient than H Series*

Linkage and Work Tools

- Performance Series buckets and range of work tools
- Z-bar with best-in-class visibility
- Fusion™ « zero-offset » coupler (option)

Engine and Aftertreatment Advancements

- Cat[®] engine with ACERT Technology
- Meets U.S. Tier 4 Final/EU Stage IV/Korea Tier 4 emission standards
- Cat Clean Emissions Module with Selective Catalytic Reduction
- Productive Economy Mode

Transmission Advancements

- 5-speed powershift transmission with single clutch speed shifts and torque based down shifts
- Lock up clutch torque converter with lock-to-lock shifting
- Split flow oil system and multi-viscosity oil

Axle Advancements

- On-the-go disc-type front differential locks (front and rear fully automatic option)
- Caliper disc parking brake
- Bevel gear shrouds

Next Generation Hydraulic Systems

- Next generation main valve
- Next generation ride control system with dual accumulators
- Next generation implement pump with increased displacement
- Full flow and kidney loop filtration
- Load-sensing hydraulics with simultaneous hydraulic functions
- 3rd and 4th function (option)

EASE OF OPERATION

Best-in-class Operator Environment

- Optimized all-around visibility
- Steering wheel (E-H joystick steering option)
- Touch screen multifunction color display with integrated controls and rearview camera
- Stair-like ingress and egress
- New wider door and increased glass area
- Seat-mounted fingertip electro-hydraulic implement controls
- Large convex rearview mirrors with integrated spot mirror
- Remote door opening (option)
- Automatic climate control
- Viscous cab mounts
- Low operator sound levels

Advanced Technology with Cat Connect

- Link technologies, like Product Link™ to monitor equipment and manage production using online VisionLink[®] software
- Payload technologies, like Cat Production Measurement (option) to measure payloads and optimize productivity
- Detect technologies, like the rear vision camera to keep people safe and help the operator work more productively

SERVICE ACCESS

- One-piece tilting hood with side and rear doors
- Centralized service centers for hydraulic and electrical components
- Windshield cleaning platform and harness tie-off

*Fuel efficiency is measured in mass of material moved per volume of fuel burned. Average efficiency improvement as tested and analyzed for an average composite cycle and stand configuration with variations per comparable model with and without economy mode active. Factors influence result variation such as, but not limited to, machine configuration, operator technique, machine application, climate, etc.

**Optional configuration and equipment may vary from region to region. Consult your Caterpillar representative for further details.



Cat® 962M Z Wheel Loader

Engine			
Engine Model	Cat C7.1 ACERT		
Max Gross Power @ 2,100 rpm – SAE J1995	202 kW	271 hp	
Max Gross Power @ 2,100 rpm – ISO 14396	201 kW	269 hp	
Max Gross Power @ 2,100 rpm – ISO 14396 (metric)		273 hp	
Max Net Power @ 2,100 rpm – SAE J1349	186 kW	250 hp	
Max Net Power @ 2,100 rpm – ISO 9249	186 kW	250 hp	
Max Net Power @ 2,100 rpm – ISO 9249 (metric)		253 hp	
Peak Gross Torque (1,350 rpm) – SAE J1995	1249 N·m	921 lbf·ft	
Peak Gross Torque (1,350 rpm) – ISO 14396	1245 N·m	918 lbf·ft	
Maximum Net Torque (1,350 rpm)	1172 N·m	865 lbf·ft	
Displacement	7.0 L	428 in³	

Weights			
Operating Weight	19 211 kg	42,353 lb	
<ul style="list-style-type: none"> Weight based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering, sound suppression and a 3.3 m³ (4.3 yd³) general purpose bucket with BOCE. 			

Bucket Capacities			
Bucket Range	2.5-9.2 m³	3.3-12.0 yd³	

Transmission			
Forward 1	6.9 km/h	4.3 mph	
Forward 2	12 km/h	7.5 mph	
Forward 3	19.3 km/h	12.0 mph	
Forward 4	25.7 km/h	16.0 mph	
Forward 5	39.5 km/h	24.5 mph	
Reverse 1	6.9 km/h	4.3 mph	
Reverse 2	12 km/h	7.5 mph	
Reverse 3	25.7 km/h	16.0 mph	

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Sound			
With Cooling Fan Speed at Maximum Value:			
Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)		
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)		
Exterior Sound Pressure Level (SAE J88:2013)	75 dB(A)*		

*Distance of 15 m (49.2 ft), moving forward in second gear ratio.

With Cooling Fan Speed at 70% of Maximum Value:			
Operator Sound Pressure Level (ISO 6396:2008)	69 dB(A)		
Exterior Sound Power Level (ISO 6395:2008)	104 L _{WA} **		

**European Union Directive “2000/14/EC” as amended by “2005/88/EC.”

Operating Specifications			
Static Tipping Load – Full 40° Turn – with Tire Deflection	11 700 kg	25,794 lb	
Static Tipping Load – Full 40° Turn – No Tire Deflection	12 455 kg	27,459 lb	
Breakout Force	146 kN	32,822 lbf	
<ul style="list-style-type: none"> For a machine configuration as defined under “Weight.” 			

- Full compliance to ISO 143971:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Service Refill Capacities			
Fuel Tank	275 L	72.6 gal	
DEF Tank	16 L	4.2 gal	
Cooling System	59 L	15.6 gal	
Crankcase	22 L	5.8 gal	
Transmission	43 L	11.4 gal	
Differentials and Final Drives – Front	43 L	11.4 gal	
Differentials and Final Drives – Rear	43 L	11.4 gal	
Hydraulic Tank	125 L	33.0 gal	

Hydraulic System			
Implement Pump Type	Variable Axial Piston		
Implement System:			
Maximum Pump Output (2,340 rpm)	322 L/min	85 gal/min	
Maximum Operating Pressure	27 900 kPa	4,047 psi	
Hydraulic Cycle Time – Total	9.5 Seconds		

Dimensions				
	Standard Lift		High Lift	
Height to Top of Hood	2694 mm	8'10"	2691 mm	8'10"
Height to Top of Exhaust Pipe	3411 mm	11'2"	3408 mm	11'2"
Height to Top of ROPS	3443 mm	11'4"	3440 mm	11'4"
Ground Clearance	365 mm	1'2"	362 mm	1'2"
Center Line of Rear Axle to Edge of Counterweight	2055 mm	7'1"	2055 mm	7'1"
Center Line of Rear Axle to Hitch	1675 mm	5'6"	1675 mm	5'6"
Wheelbase	3350 mm	11'0"	3350 mm	11'0"
Overall Length (without bucket)	7037 mm	23'9"	7411 mm	23'9"
Hinge Pin Height at Carry Height	642 mm	2'2"	762 mm	2'7"
Hinge Pin Height at Maximum Lift	4182 mm	13'11"	4487 mm	14'10"
Lift Arm Clearance at Maximum Lift	3624 mm	11'4"	3791 mm	11'10"
Rack Back at Maximum Lift	60 degrees		66 degrees	
Rack Back at Carry Height	49 degrees		54 degrees	
Rack Back at Ground	40 degrees		45 degrees	
Maximum Width over Tires (loaded)	2824 mm	9'3"	2824 mm	9'3"
Tread Width	2140 mm	7'0"	2140 mm	7'0"
<ul style="list-style-type: none"> All dimensions are approximate and based on Michelin 23.5R25 XHA2 L3 radial tires. 				

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