



# Cat<sup>®</sup> 962M

## Wheel Loader

**The new 962M Wheel Loader has an ACERT™ engine equipped with a combination of proven electronic, fuel, and air 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. Aggregate Handler and other 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
- Optimized Z-bar with best-in-class visibility
- -0°/+5° parallelism
- Increased tilt capacity at height, equal to payload
- Fusion™ « zero-offset » coupler (option)

#### Engine and Aftertreatment Advancements

- Cat<sup>®</sup> engine with ACERT Technology
- Meets U.S. EPA Tier 3/EU Stage IIIA equivalent emissions standards
- 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<sup>®</sup> 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 Wheel Loader

## Engine

|  |                |                     |
|--|----------------|---------------------|
| Engine Model                                     | Cat C7.1 ACERT |                     |
| Max Gross Power @ 2,000 rpm – SAE J1995          | 196 kW         | 263 hp              |
| Max Gross Power @ 2,000 rpm – ISO 14396          | 195 kW         | 261 hp              |
| Max Gross Power @ 2,000 rpm – ISO 14396 (metric) | 265 hp         |                     |
| Max Net Power @ 2,000 rpm – SAE J1349            | 185 kW         | 248 hp              |
| Max Net Power @ 2,000 rpm – ISO 9249             | 185 kW         | 248 hp              |
| Max Net Power @ 2,000 rpm – ISO 9249 (metric)    | 252 hp         |                     |
| Peak Gross Torque (1,400 rpm) – SAE J1995        | 1053 N·m       | 777 lbf·ft          |
| Peak Gross Torque (1,400 rpm) – ISO 14396        | 1050 N·m       | 774 lbf·ft          |
| Maximum Net Torque (1,400 rpm)                   | 984 N·m        | 726 lbf·ft          |
| Displacement                                     | 7.0 L          | 428 in <sup>3</sup> |

## Weights

|                  |           |           |
|------------------|-----------|-----------|
| Operating Weight | 20 227 kg | 44,593 lb |
|------------------|-----------|-----------|

- 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 m<sup>3</sup> (4.3 yd<sup>3</sup>) general purpose bucket with BOCE.

## Bucket Capacities

|              |                        |                          |
|--------------|------------------------|--------------------------|
| Bucket Range | 2.5-9.2 m <sup>3</sup> | 3.3-12.0 yd <sup>3</sup> |
|--------------|------------------------|--------------------------|

## 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 <sub>WA</sub> *** |

\*\*For machines in countries that adopt the "EU Directives."

\*\*\*European Union Directive "2000/14/EC" as amended by "2005/88/EC."

## Operating Specifications

|  |           |            |
|--|-----------|------------|
| Static Tipping Load – Full 40° Turn – with Tire Deflection | 11 709 kg | 25,814 lb  |
| Static Tipping Load – Full 40° Turn – No Tire Deflection   | 12 471 kg | 27,494 lb  |
| Breakout Force   | 189 kN    | 42,489 lbf |

- 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 |
| 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 (2,150 rpm) | 286 L/min             | 76 gal/min |
| Maximum Operating Pressure      | 29 300 kPa            | 4,250 psi  |
| Hydraulic Cycle Time – Total    | 9.6 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                     | 3410 mm       | 11'2"  | 3407 mm    | 11'2"  |
| Height to Top of ROPS                             | 3443 mm       | 11'4"  | 3440 mm    | 11'3"  |
| Ground Clearance                                  | 364 mm        | 1'2"   | 361 mm     | 1'2"   |
| Center Line of Rear Axle to Edge of Counterweight | 2147 mm       | 7'1"   | 2186 mm    | 7'2"   |
| 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)                   | 7227 mm       | 23'9"  | 7598 mm    | 25'0"  |
| Hinge Pin Height at Carry Height                  | 669 mm        | 2'2"   | 779 mm     | 2'7"   |
| Hinge Pin Height at Maximum Lift                  | 4235 mm       | 13'11" | 4524 mm    | 14'10" |
| Lift Arm Clearance at Maximum Lift                | 3477 mm       | 11'4"  | 3631 mm    | 11'10" |
| Rack Back at Maximum Lift                         | 55 degrees    |        | 56 degrees |        |
| Rack Back at Carry Height                         | 51 degrees    |        | 48 degrees |        |
| Rack Back at Ground                               | 39 degrees    |        | 42 degrees |        |
| Maximum Width over Tires (loaded)                 | 2824 mm       | 9'4"   | 2824 mm    | 9'4"   |
| Tread Width                                       | 2140 mm       | 7'0"   | 2140 mm    | 7'0"   |

- All dimensions are approximate and based on Michelin 23.5R25 XHA2 L3 radial tires.

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)

AEXQ1746 (03-2016)

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