



# 962M

## Wheel Loader

# Technical Specifications

### Engine – (Tier 3/Stage IIIA equivalent)<sup>1</sup>

|                                |          |                     |
|--------------------------------|----------|---------------------|
| Engine Model                   | Cat C7.1 |                     |
| Maximum Power (2,000 rpm)      |          |                     |
| SAE J1995                      | 196 kW   | 263 hp              |
| ISO 14396                      | 195 kW   | 261 hp              |
| ISO 14396 (metric)             | 265 hp   |                     |
| Maximum Net Power (2,000 rpm)  |          |                     |
| SAE J1349                      | 185 kW   | 248 hp              |
| ISO 9249                       | 185 kW   | 248 hp              |
| ISO 9249 (metric)              | 252 hp   |                     |
| Peak Gross Torque (1,400 rpm)  |          |                     |
| SAE J1995                      | 1053 N·m | 777 lbf-ft          |
| Maximum Net Torque (1,400 rpm) |          |                     |
| SAE J1349                      | 984 N·m  | 726 lbf-ft          |
| Bore                           | 105 mm   | 4.13 in             |
| Stroke                         | 135 mm   | 5.31 in             |
| Displacement                   | 7.01 L   | 428 in <sup>3</sup> |

1 Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.

- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

### Engine – (Tier 4 Final/Stage V)<sup>2</sup>

|                                |          |                     |
|--------------------------------|----------|---------------------|
| Engine Model                   | Cat C7.1 |                     |
| Maximum Power (2,100 rpm)      |          |                     |
| SAE J1995                      | 202 kW   | 271 hp              |
| ISO 14396                      | 201 kW   | 269 hp              |
| ISO 14396 (metric)             | 273 hp   |                     |
| Maximum Net Power (2,100 rpm)  |          |                     |
| SAE J1349                      | 186 kW   | 250 hp              |
| ISO 9249                       | 186 kW   | 250 hp              |
| ISO 9249 (metric)              | 253 hp   |                     |
| Peak Gross Torque (1,350 rpm)  |          |                     |
| SAE J1995                      | 1249 N·m | 921 lbf-ft          |
| Maximum Net Torque (1,350 rpm) |          |                     |
| SAE J1349                      | 1172 N·m | 865 lbf-ft          |
| Bore                           | 105 mm   | 4.13 in             |
| Stroke                         | 135 mm   | 5.31 in             |
| Displacement                   | 7.01 L   | 428 in <sup>3</sup> |

2 Meets U.S. EPA Tier 4 Final, either EU Stage V or EU Stage IV\* emission standards.

- \* Stage IV engines comply with the transition provisions of the EU nonroad emission regulation
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

### Buckets

|                   |                        |                        |
|-------------------|------------------------|------------------------|
| Bucket Capacities | 2.5-9.2 m <sup>3</sup> | 3.3-12 yd <sup>3</sup> |
|-------------------|------------------------|------------------------|

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## Weight

|                  |           |           |
|------------------|-----------|-----------|
| Operating Weight | 20 226 kg | 44,591 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.

## 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.

## 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  |
| Optional 3 <sup>rd</sup> /4 <sup>th</sup> Function Maximum Flow     | 240 L/min             | 63 gal/min |
| Optional 3 <sup>rd</sup> /4 <sup>th</sup> Function Maximum Pressure | 21 780 kPa            | 3,159 psi  |
| Hydraulic Cycle Time with Rated Payload                             |                       |            |
| Raise from Carry Position   | 5.2 Seconds           |            |
| Dump, at Maximum Raise  | 1.5 Seconds           |            |
| Lower, Empty, Float Down  | 2.7 Seconds           |            |
| Total   | 9.4 Seconds           |            |

## Brakes

|        |                                     |
|--------|-------------------------------------|
| Brakes | Brakes meet ISO 3450:2011 standards |
|--------|-------------------------------------|

## Axles

|                                    |                         |        |
|------------------------------------|-------------------------|--------|
| Front                              | Fixed                   |        |
| Rear                               | Oscillating ±13 degrees |        |
| Maximum Single-Wheel Rise and Fall | 496 mm                  | 1.6 ft |

## Cab

|           |   |
|-----------|---|
| ROPS/FOPS | ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards |
|-----------|---|

## Sound

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

### Operator Sound Pressure Level (ISO 6396:2008)

|  |            |
|--|------------|
| Tier 3/Stage IIIA Equivalent                 | 72 dB(A)*  |
| Tier 4 Final/Stage V                         | 70 dB(A)*  |
| Exterior Sound Power Level (ISO 6395:2008)   | 107 dB(A)* |
| Exterior Sound Pressure Level (SAE J88:2013) | 75 dB(A)** |

\*For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value.

\*\*For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

## Service Refill Capacities

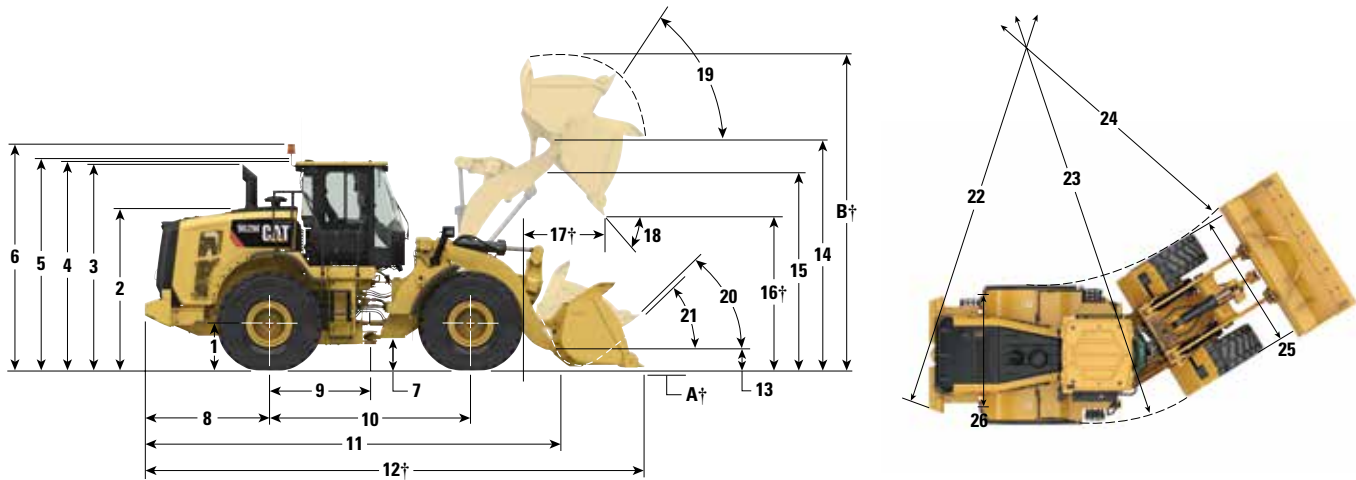
|  |       |          |
|--|-------|----------|
| Fuel Tank                              | 275 L | 72.6 gal |
| DEF Tank*                              | 16 L  | 4.2 gal  |
| Cooling System                         | 59 L  | 15.6 gal |
| Crankcase                              | 22 L  | 5.8 gal  |
| Transmission                           | 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 |

\*Must meet the requirements outlined in ISO 22241-1 for Tier 4 Final/Stage V models.

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## Dimensions

All dimensions are approximate.



|  | Standard Lift |        | High Lift  |        |
|--|---------------|--------|------------|--------|
| <b>1</b> Height to Axle Centerline                           | 747 mm        | 2'5"   | 747 mm     | 2'5"   |
| <b>2</b> Height to Top of Hood                               | 2694 mm       | 8'10"  | 2691 mm    | 8'10"  |
| <b>3</b> Height to Top of Exhaust Pipe                       | 3411 mm       | 11'2"  | 3408 mm    | 11'2"  |
| <b>4</b> Height to Top of ROPS                               | 3447 mm       | 11'4"  | 3444 mm    | 11'4"  |
| <b>5</b> Height to Top of Product Link Antenna               | 3653 mm       | 12'0"  | 3653 mm    | 12'0"  |
| <b>6</b> Height to Top of Warning Beacon                     | 3747 mm       | 12'4"  | 3747 mm    | 12'4"  |
| <b>7</b> Ground Clearance                                    | 364 mm        | 1'2"   | 361 mm     | 1'2"   |
| <b>8</b> Center Line of Rear Axle to Edge of Counterweight   | 2147 mm       | 7'1"   | 2186 mm    | 7'2"   |
| <b>9</b> Center Line of Rear Axle to Hitch                   | 1675 mm       | 5'6"   | 1675 mm    | 5'6"   |
| <b>10</b> Wheelbase  | 3350 mm       | 11'0"  | 3350 mm    | 11'0"  |
| <b>11</b> Overall Length (without bucket)                    | 7228 mm       | 23'9"  | 7228 mm    | 23'9"  |
| <b>12</b> Shipping Length (with bucket level on ground)*†    | 8573 mm       | 28'2"  | 8945 mm    | 29'4"  |
| <b>13</b> Hinge Pin Height at Carry Height                   | 669 mm        | 2'2"   | 779 mm     | 2'7"   |
| <b>14</b> Hinge Pin Height at Maximum Lift                   | 4235 mm       | 13'11" | 4524 mm    | 14'10" |
| <b>15</b> Lift Arm Clearance at Maximum Lift                 | 3477 mm       | 11'4"  | 3631 mm    | 11'10" |
| <b>16</b> Dump Clearance at Maximum Lift and 45° Discharge*† | 3055 mm       | 10'0"  | 3343 mm    | 10'11" |
| <b>17</b> Reach at Maximum Lift and 45° Discharge*†          | 1392 mm       | 4'6"   | 1494 mm    | 4'11"  |
| <b>18</b> Dump Angle at Maximum Lift and Dump (on stops)*    | 49 degrees    |        | 47 degrees |        |
| <b>19</b> Rack Back at Maximum Lift*                         | 59 degrees    |        | 59 degrees |        |
| <b>20</b> Rack Back at Carry Height*                         | 49 degrees    |        | 49 degrees |        |
| <b>21</b> Rack Back at Ground*                               | 37 degrees    |        | 37 degrees |        |
| <b>22</b> Clearance Circle (radius) to Counterweight         | 6022 mm       | 19'10" | 6064 mm    | 19'11" |
| <b>23</b> Clearance Circle (radius) to Outside of Tires      | 5985 mm       | 19'8"  | 5985 mm    | 19'8"  |
| <b>24</b> Clearance Circle (radius) to Inside of Tires       | 3219 mm       | 10'7"  | 3219 mm    | 10'7"  |
| <b>25</b> Width over Tires (unloaded)                        | 2821 mm       | 9'3"   | 2821 mm    | 9'3"   |
| Width over Tires (loaded)                                    | 2824 mm       | 9'3"   | 2824 mm    | 9'3"   |
| <b>26</b> Tread Width  | 2140 mm       | 7'0"   | 2140 mm    | 7'0"   |

\*With 3.1 m<sup>3</sup> (4.3 yd<sup>3</sup>) general purpose pin on bucket with BOCE (see Operating Specifications for other Buckets).

†Dimensions are listed in Operating Specification charts.

All height and tire related dimensions are with Michelin 23.5R25 XHA2 L3 radial tires (see Tire Option Chart for other tires). "Width Over Tires" dimensions are over the bulge and include growth.

# 962M Wheel Loader Specifications

## Tire Options

| Tire Brand   | Michelin        | Bridgestone      | Goodyear         | Bridgestone        | Bridgestone      | Michelin           | Bridgestone        |
|--|-----------------|------------------|------------------|--------------------|------------------|--------------------|--------------------|
| Tire Size  | 23.5R25         | 23.5R25          | 23.5R25          | 23.5-25            | 23.5R25          | 750/65R25          | 23.5-25            |
| Tread Type   | L-3             | L-3              | L-3              | L-3                | L-3              | L-3                | L-3                |
| Tread Pattern  | XHA2            | VMT              | RT-3B            | SRG LD             | VJT              | XLD                | VL2                |
| Width over Tires – Maximum (empty)*                          | 2821 mm<br>9'3" | 2810 mm<br>9'3"  | 2840 mm<br>9'4"  | 2768 mm<br>9'1"    | 2809 mm<br>9'3"  | 2954 mm<br>9'8"    | 2771 mm<br>9'1"    |
| Width over Tires – Maximum (loaded)*                         | 2824 mm<br>9'3" | 2835 mm<br>9'4"  | 2847 mm<br>9'4"  | 2797 mm<br>9'2"    | 2832 mm<br>9'3"  | 2967 mm<br>9'9"    | 2784 mm<br>9'2"    |
| Change in Vertical Dimensions<br>(average of front and rear) | 0 mm<br>0"      | -2 mm<br>-0.1"   | 1 mm<br>0"       | 1 mm<br>0"         | -6 mm<br>-0.2"   | -6 mm<br>-0.2"     | 16 mm<br>0.6"      |
| Change in Horizontal Reach                                   | 0 mm<br>0"      | 6 mm<br>0.2"     | 3 mm<br>0.1"     | -16 mm<br>-0.6"    | 6 mm<br>0.2"     | 11 mm<br>0.4"      | 3 mm<br>0.1"       |
| Change in Clearance Circle to Outside of Tires               | 0 mm<br>0"      | 12 mm<br>0.5"    | 23 mm<br>0.9"    | -27 mm<br>-1.1"    | 9 mm<br>0.4"     | 143 mm<br>5.6"     | -40 mm<br>-1.6"    |
| Change in Clearance Circle to Inside of Tires                | 0 mm<br>0"      | -12 mm<br>-0.5"  | -23 mm<br>-0.9"  | 27 mm<br>1.1"      | -9 mm<br>-0.4"   | -143 mm<br>-5.6"   | 40 mm<br>1.6"      |
| Change in Operating Weight (without Ballast)                 | 0 kg<br>0 lb    | 188 kg<br>414 lb | 127 kg<br>280 lb | -248 kg<br>-547 lb | 168 kg<br>370 lb | 801 kg<br>1,766 lb | -100 kg<br>-220 lb |
| Change in Static Tipping Load – Straight                     | 0 kg<br>0 lb    | 119 kg<br>262 lb | 81 kg<br>179 lb  | -157 kg<br>-346 lb | 106 kg<br>234 lb | 507 kg<br>1,118 lb | -63 kg<br>-139 lb  |
| Change in Static Tipping Load – Articulated                  | 0 kg<br>0 lb    | 104 kg<br>229 lb | 70 kg<br>154 lb  | -137 kg<br>-302 lb | 93 kg<br>205 lb  | 442 kg<br>974 lb   | -55 kg<br>-121 lb  |

\*Width over bulge and includes tire growth.

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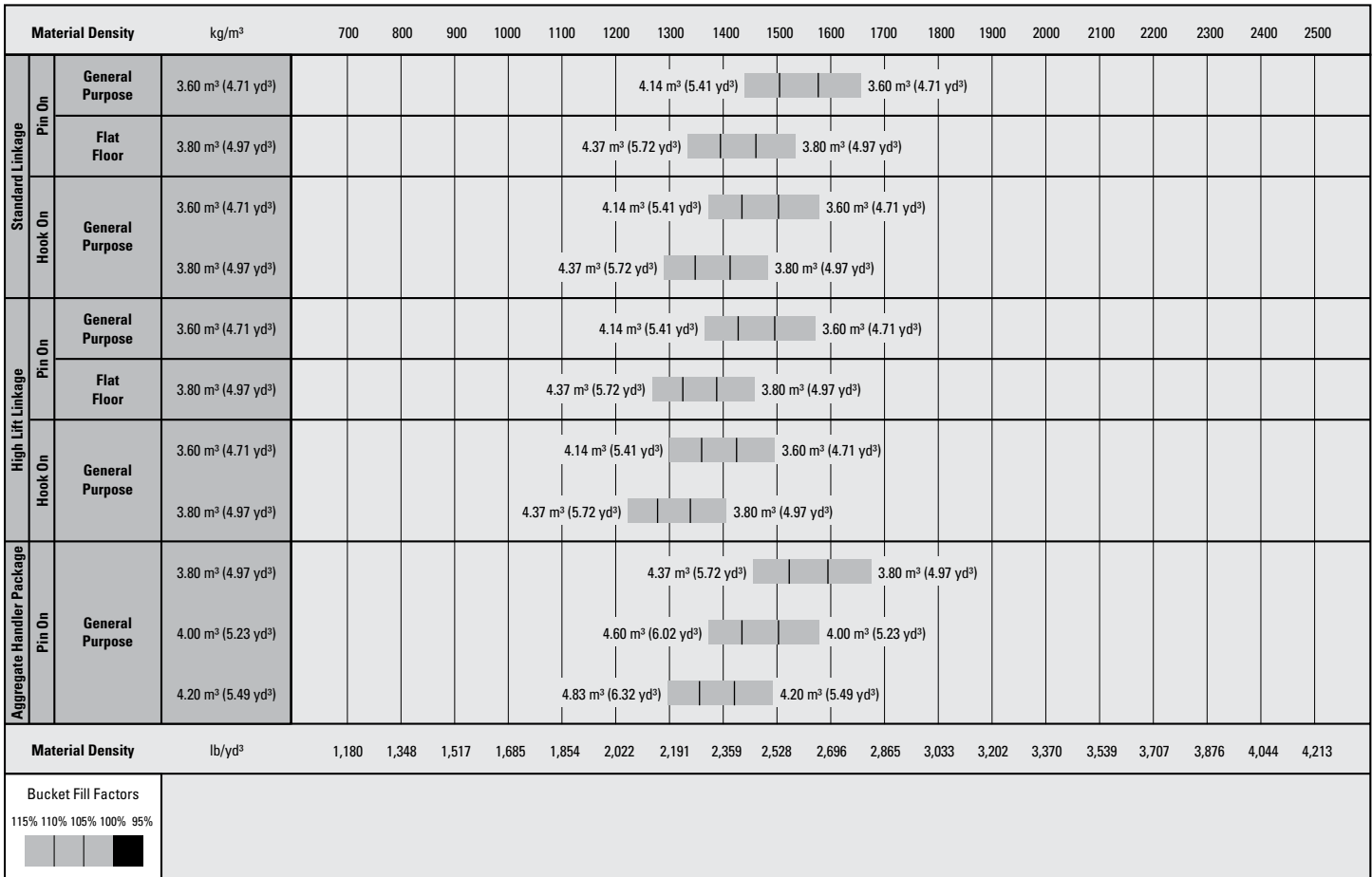
## Bucket Fill Factors and Selection Chart

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard, demonstrate fill factors significantly higher than previous generation or non Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

| Loose Material  |                             | Material Density  | Fill Factor (%)* |
|-----------------|-----------------------------|---|------------------|
| Earth/Clay      |                             | 1500-1700 kg/m <sup>3</sup> (2,528-2,865 lb/yd <sup>3</sup> ) | 115              |
| Sand and Gravel |                             | 1500-1700 kg/m <sup>3</sup> (2,528-2,865 lb/yd <sup>3</sup> ) | 115              |
| Aggregate:      | 25-76 mm (1 to 3 in)        | 1600-1700 kg/m <sup>3</sup> (2,696-2,865 lb/yd <sup>3</sup> ) | 110              |
|                 | 19 mm (0.75 in) and smaller | 1800 kg/m <sup>3</sup> (3,033 lb/yd <sup>3</sup> )            | 105              |
| Rock:           | 76 mm (3 in) and larger     | 1600 kg/m <sup>3</sup> (2,696 lb/yd <sup>3</sup> )            | 100              |

\*As a % of ISO 7546 rated capacity.

**Note:** Fill Factors achieved will also depend on whether the product is washed or not washed.



**Note:** All buckets are showing Bolt-On Edges.

# 962M Wheel Loader Specifications

## Operating Specifications with Buckets

| Linkage  | Bucket Type                          | Standard Linkage         |                    |        |                       |                    |        | High Lift Linkage Change** |        |
|--|--------------------------------------|--------------------------|--------------------|--------|-----------------------|--------------------|--------|----------------------------|--------|
|  |                                      | General Purpose – Pin On |                    |        | Flat Floor – Pin On   |                    |        |                            |        |
|  |                                      | Bolt-On Cutting Edges    | Teeth and Segments | Tips   | Bolt-On Cutting Edges | Teeth and Segments | Tips   |                            |        |
| Edge Type  | Capacity – Rated                     | m <sup>3</sup>           | 3.60               | 3.60   | 3.40                  | 3.80               | 3.80   | 3.60                       | —      |
|  |                                      | yd <sup>3</sup>          | 4.71               | 4.71   | 4.45                  | 4.97               | 4.97   | 4.71                       | —      |
|  | Capacity – Rated at 110% Fill Factor | m <sup>3</sup>           | 3.96               | 3.96   | 3.74                  | 4.18               | 4.18   | 3.96                       | —      |
|  |                                      | yd <sup>3</sup>          | 5.18               | 5.18   | 4.89                  | 5.47               | 5.47   | 5.18                       | —      |
| Width  |                                      | mm                       | 2927               | 2994   | 2994                  | 2927               | 2994   | 2994                       | —      |
|  |                                      | ft/in                    | 9'7"               | 9'9"   | 9'9"                  | 9'7"               | 9'9"   | 9'9"                       | —      |
| 16† Dump Clearance at Maximum Lift and 45° Discharge     |                                      | mm                       | 3010               | 2890   | 2890                  | 2910               | 2785   | 2785                       | 288    |
|  |                                      | ft/in                    | 9'10"              | 9'5"   | 9'5"                  | 9'6"               | 9'1"   | 9'1"                       | 11"    |
| 17† Reach at Maximum Lift and 45° Discharge              |                                      | mm                       | 1428               | 1537   | 1537                  | 1408               | 1510   | 1510                       | 101    |
|  |                                      | ft/in                    | 4'8"               | 5'0"   | 5'0"                  | 4'7"               | 4'11"  | 4'11"                      | 4"     |
| Reach at Level Lift Arm and Bucket Level                 |                                      | mm                       | 2894               | 3055   | 3055                  | 2965               | 3126   | 3126                       | 277    |
|  |                                      | ft/in                    | 9'5"               | 10'0"  | 10'0"                 | 9'8"               | 10'3"  | 10'3"                      | 10"    |
| A† Digging Depth   |                                      | mm                       | 88                 | 88     | 58                    | 88                 | 88     | 58                         | 5      |
|  |                                      | in                       | 3.5"               | 3.5"   | 2.3"                  | 3.5"               | 3.5"   | 2.3"                       | 0.2"   |
| 12† Overall Length                                       |                                      | mm                       | 8633               | 8805   | 8805                  | 8704               | 8876   | 8876                       | 372    |
|  |                                      | ft/in                    | 28'4"              | 28'11" | 28'11"                | 28'7"              | 29'2"  | 29'2"                      | 1'3"   |
| B† Overall Height with Bucket at Maximum Lift            |                                      | mm                       | 5847               | 5847   | 5847                  | 5879               | 5879   | 5879                       | 289    |
|  |                                      | ft/in                    | 19'3"              | 19'3"  | 19'3"                 | 19'4"              | 19'4"  | 19'4"                      | 12"    |
| Loader Clearance Circle with Bucket at Carry Position    |                                      | mm                       | 13 924             | 14 095 | 14 095                | 13 967             | 14 139 | 14 139                     | 308    |
|  |                                      | ft/in                    | 45'9"              | 46'3"  | 46'3"                 | 45'10"             | 46'5"  | 46'5"                      | 1'1"   |
| Static Tipping Load, Straight (With Tire Deflection)*    |                                      | kg                       | 13 555             | 13 414 | 13 699                | 13 275             | 13 134 | 13 407                     | -630   |
|  |                                      | lb                       | 29,877             | 29,565 | 30,193                | 29,258             | 28,947 | 29,550                     | -1,389 |
| Static Tipping Load, Straight (No Tire Deflection)*      |                                      | kg                       | 14 299             | 14 156 | 14 448                | 14 002             | 13 860 | 14 139                     | -722   |
|  |                                      | lb                       | 31,516             | 31,201 | 31,845                | 30,861             | 30,547 | 31,162                     | -1,591 |
| Static Tipping Load, Articulated (With Tire Deflection)* |                                      | kg                       | 11 594             | 11 452 | 11 718                | 11 342             | 11 201 | 11 456                     | -611   |
|  |                                      | lb                       | 25,553             | 25,241 | 25,828                | 24,998             | 24,687 | 25,250                     | -1,348 |
| Static Tipping Load, Articulated (No Tire Deflection)*   |                                      | kg                       | 12 359             | 12 216 | 12 488                | 12 091             | 11 948 | 12 209                     | -694   |
|  |                                      | lb                       | 27,239             | 26,924 | 27,524                | 26,649             | 26,335 | 26,909                     | -1,530 |
| Breakout Force   |                                      | kN                       | 180                | 179    | 195                   | 170                | 169    | 184                        | -1     |
|  |                                      | lbf                      | 40,547             | 40,311 | 43,810                | 38,410             | 38,174 | 41,351                     | -320   |
| Operating Weight*  |                                      | kg                       | 20 287             | 20 395 | 20 238                | 20 350             | 20 458 | 20 301                     | 593    |
|  |                                      | lb                       | 44,712             | 44,950 | 44,604                | 44,851             | 45,089 | 44,743                     | 1,306  |

\*Static tipping loads and operating weights shown are 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 and sound suppression.

\*\*Maximum values.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

# 962M Wheel Loader Specifications

## Operating Specifications with Buckets

| Linkage  | Standard Linkage |                           |                    |        |                       |                    |        | High Lift Linkage Change** |
|--|------------------|---------------------------|--------------------|--------|-----------------------|--------------------|--------|----------------------------|
|  | Bucket Type      | General Purpose – Hook On |                    |        |                       |                    |        |                            |
| Edge Type  |                  | Bolt-On Cutting Edges     | Teeth and Segments | Tips   | Bolt-On Cutting Edges | Teeth and Segments | Tips   |                            |
| Capacity – Rated   | m <sup>3</sup>   | 3.60                      | 3.60               | 3.40   | 3.80                  | 3.80               | 3.60   | —                          |
|  | yd <sup>3</sup>  | 4.71                      | 4.71               | 4.45   | 4.97                  | 4.97               | 4.71   | —                          |
| Capacity – Rated at 110% Fill Factor                         | m <sup>3</sup>   | 3.96                      | 3.96               | 3.74   | 4.18                  | 4.18               | 3.96   | —                          |
|  | yd <sup>3</sup>  | 5.18                      | 5.18               | 4.89   | 5.47                  | 5.47               | 5.18   | —                          |
| Width  | mm               | 2927                      | 2994               | 2994   | 2927                  | 2994               | 2994   | —                          |
|  | ft/in            | 9'7"                      | 9'9"               | 9'9"   | 9'7"                  | 9'9"               | 9'9"   | —                          |
| <b>16</b> † Dump Clearance at Maximum Lift and 45° Discharge | mm               | 2970                      | 2850               | 2850   | 2935                  | 2815               | 2815   | 288                        |
|  | ft/in            | 9'8"                      | 9'4"               | 9'4"   | 9'7"                  | 9'2"               | 9'2"   | 11"                        |
| <b>17</b> † Reach at Maximum Lift and 45° Discharge          | mm               | 1473                      | 1582               | 1582   | 1502                  | 1611               | 1611   | 101                        |
|  | ft/in            | 4'10"                     | 5'2"               | 5'2"   | 4'11"                 | 5'3"               | 5'3"   | 4"                         |
| Reach at Level Lift Arm and Bucket Level                     | mm               | 2954                      | 3115               | 3115   | 3000                  | 3161               | 3161   | 277                        |
|  | ft/in            | 9'8"                      | 10'2"              | 10'2"  | 9'10"                 | 10'4"              | 10'4"  | 10"                        |
| <b>A</b> † Digging Depth                                     | mm               | 88                        | 88                 | 58     | 88                    | 88                 | 58     | 5                          |
|  | in               | 3.5"                      | 3.5"               | 2.3"   | 3.5"                  | 3.5"               | 2.3"   | 0.2"                       |
| <b>12</b> † Overall Length                                   | mm               | 8693                      | 8865               | 8865   | 8739                  | 8911               | 8911   | 372                        |
|  | ft/in            | 28'7"                     | 29'2"              | 29'2"  | 28'9"                 | 29'3"              | 29'3"  | 1'3"                       |
| <b>B</b> † Overall Height with Bucket at Maximum Lift        | mm               | 5881                      | 5881               | 5881   | 5928                  | 5928               | 5928   | 289                        |
|  | ft/in            | 19'4"                     | 19'4"              | 19'4"  | 19'6"                 | 19'6"              | 19'6"  | 12"                        |
| Loader Clearance Circle with Bucket at Carry Position        | mm               | 13 953                    | 14 127             | 14 127 | 13 982                | 14 157             | 14 157 | 308                        |
|  | ft/in            | 45'10"                    | 46'5"              | 46'5"  | 45'11"                | 46'6"              | 46'6"  | 1'1"                       |
| Static Tipping Load, Straight (With Tire Deflection)*        | kg               | 12 991                    | 12 850             | 13 182 | 12 899                | 12 757             | 13 088 | -630                       |
|  | lb               | 28,632                    | 28,321             | 29,054 | 28,429                | 28,117             | 28,847 | -1,389                     |
| Static Tipping Load, Straight (No Tire Deflection)*          | kg               | 13 724                    | 13 582             | 13 926 | 13 634                | 13 490             | 13 834 | -722                       |
|  | lb               | 30,248                    | 29,935             | 30,693 | 30,049                | 29,734             | 30,490 | -1,591                     |
| Static Tipping Load, Articulated (With Tire Deflection)*     | kg               | 11 058                    | 10 917             | 11 231 | 10 971                | 10 829             | 11 142 | -611                       |
|  | lb               | 24,373                    | 24,062             | 24,753 | 24,181                | 23,869             | 24,558 | -1,348                     |
| Static Tipping Load, Articulated (No Tire Deflection)*       | kg               | 11 813                    | 11 671             | 11 996 | 11 728                | 11 585             | 11 909 | -694                       |
|  | lb               | 26,036                    | 25,722             | 26,439 | 25,849                | 25,533             | 26,248 | -1,530                     |
| Breakout Force   | kN               | 172                       | 171                | 185    | 166                   | 165                | 179    | -1                         |
|  | lbf              | 38,763                    | 38,528             | 41,754 | 37,471                | 37,236             | 40,274 | -320                       |
| Operating Weight*  | kg               | 20 731                    | 20 839             | 20 682 | 20 776                | 20 884             | 20 727 | 593                        |
|  | lb               | 45,690                    | 45,928             | 45,582 | 45,789                | 46,027             | 45,681 | 1,306                      |

\*Static tipping loads and operating weights shown are 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 and sound suppression.

\*\*Maximum values.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

# 962M Wheel Loader Specifications

## Operating Specifications with Buckets – Aggregate Handler

| Package  |                 | Aggregate Handler**      |                       |                       |
|--|-----------------|--------------------------|-----------------------|-----------------------|
| Bucket Type  |                 | General Purpose – Pin On |                       |                       |
| Edge Type  |                 | Bolt-On Cutting Edges    | Bolt-On Cutting Edges | Bolt-On Cutting Edges |
| Capacity – Rated   | m <sup>3</sup>  | 3.80                     | 4.00                  | 4.20                  |
|  | yd <sup>3</sup> | 4.97                     | 5.23                  | 5.49                  |
| Capacity – Rated at 110% Fill Factor                     | m <sup>3</sup>  | 4.18                     | 4.40                  | 4.62                  |
|  | yd <sup>3</sup> | 5.47                     | 5.75                  | 6.04                  |
| Width  | mm              | 2994                     | 2994                  | 2994                  |
|  | ft/in           | 9'9"                     | 9'9"                  | 9'9"                  |
| 16† Dump Clearance at Maximum Lift and 45° Discharge     | mm              | 2992                     | 2962                  | 2929                  |
|  | ft/in           | 9'9"                     | 9'8"                  | 9'7"                  |
| 17† Reach at Maximum Lift and 45° Discharge              | mm              | 1440                     | 1466                  | 1496                  |
|  | ft/in           | 4'8"                     | 4'9"                  | 4'10"                 |
| Reach at Level Lift Arm and Bucket Level                 | mm              | 2916                     | 2956                  | 3001                  |
|  | ft/in           | 9'6"                     | 9'8"                  | 9'10"                 |
| A† Digging Depth   | mm              | 88                       | 88                    | 88                    |
|  | in              | 3.5"                     | 3.5"                  | 3.5"                  |
| 12† Overall Length                                       | mm              | 8694                     | 8734                  | 8779                  |
|  | ft/in           | 28'7"                    | 28'8"                 | 28'10"                |
| B† Overall Height with Bucket at Maximum Lift            | mm              | 5897                     | 5937                  | 5984                  |
|  | ft/in           | 19'5"                    | 19'6"                 | 19'8"                 |
| Loader Clearance Circle with Bucket at Carry Position    | mm              | 13 997                   | 14 021                | 14 049                |
|  | ft/in           | 46'0"                    | 46'0"                 | 46'2"                 |
| Static Tipping Load, Straight (With Tire Deflection)*    | kg              | 14 514                   | 14 412                | 14 314                |
|  | lb              | 31,989                   | 31,764                | 31,548                |
| Static Tipping Load, Straight (No Tire Deflection)*      | kg              | 15 338                   | 15 237                | 15 141                |
|  | lb              | 33,805                   | 33,584                | 33,372                |
| Static Tipping Load, Articulated (With Tire Deflection)* | kg              | 12 359                   | 12 262                | 12 170                |
|  | lb              | 27,239                   | 27,027                | 26,823                |
| Static Tipping Load, Articulated (No Tire Deflection)*   | kg              | 13 211                   | 13 116                | 13 026                |
|  | lb              | 29,117                   | 28,908                | 28,709                |
| Breakout Force   | kN              | 176                      | 171                   | 165                   |
|  | lbf             | 39,704                   | 38,496                | 37,233                |
| Operating Weight*  | kg              | 20 984                   | 21 038                | 21 084                |
|  | lb              | 46,249                   | 46,368                | 46,469                |

\*Static tipping loads and operating weights shown are 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 and sound suppression.

\*\*Aggregate Handler configuration is not compatible with teeth and segments, tips, rock buckets, high lift, L5 tires.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.



# 962M Wheel Loader Standard and Optional Equipment

## Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

|  | Standard | Optional |  | Standard | Optional |
|--|----------|----------|--|----------|----------|
| <b>POWER TRAIN</b>   |          |          | <b>OPERATOR ENVIRONMENT</b>  |          |          |
| Axles, ecology drains  | ✓        |          | Air conditioner, heater, and defroster (auto temp and fan)   | ✓        |          |
| Axles, manually actuated differential lock front axle, open differential rear axle   | ✓        |          | Beverage holders (2) with storage compartment for cell phone/MP3 player  | ✓        |          |
| Axles – automatic front/rear differential locks, axle oil cooler, extreme temperature seals, seal guards   |          | ✓        | Bucket/work tool function lockout  | ✓        |          |
| Brake wear indicators  | ✓        |          | Cab access ladders and handrails   | ✓        |          |
| Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)  | ✓        |          | Cab air filter   | ✓        |          |
| Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump (Tier 4 Final/Stage V models) | ✓        |          | Cab, pressurized and sound suppressed (ROPS/FOPS)  | ✓        |          |
| Economy mode (selectable)  | ✓        |          | Cab tie-off  | ✓        |          |
| Engine, Cat C7.1 – Tier 3/ Stage IIIA equivalent or Tier 4 Final/ Stage V  | ✓        |          | Coat hook (2)  | ✓        |          |
| Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand   | ✓        |          | Cover, HVAC metallic   |          | ✓        |
| Fan, VPF (variable pitch fan), automatic and manual control  |          | ✓        | Door, remote opening system  |          | ✓        |
| Fuel priming pump (electric)   | ✓        |          | EH controls, SAL (single axis lever) lift and tilt function  | ✓        |          |
| Fuel/water separator   | ✓        |          | EH controls, joystick lift and tilt – additional integrated roller switches for 3 <sup>rd</sup> and 4 <sup>th</sup> functions  |          | ✓        |
| Parking brake, disc and caliper  | ✓        |          | EH controls, SAL 3 <sup>rd</sup> function – additional roller switch for 4 <sup>th</sup> function  |          | ✓        |
| Precleaner, engine air intake  | ✓        |          | EH parking brake   | ✓        |          |
| Radiator, high debris with wider fin spacing   |          | ✓        | Filter, carbon fresh air   |          | ✓        |
| Switch, transmission neutralizer lockout   | ✓        |          | Full time rear vision display Work Area Vision System (WAVS)   |          | ✓        |
| Torque converter, locking clutch with free wheel stator  | ✓        |          | Horn, electric   | ✓        |          |
| Transmission, automatic countershaft power shift (5F/3R)   | ✓        |          | Light, two dome (cab)  | ✓        |          |
| <b>CAT® CONNECT TECHNOLOGY</b>   |          |          | Mirrors, heated rearview external with integrated spot mirrors   |          | ✓        |
| Detect technologies:   |          |          | Mirrors, rearview external with integrated spot mirrors  | ✓        |          |
| Rear vision camera   | ✓        |          | Multi-function 18 cm (7 in) color LCD touchscreen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameter | ✓        |          |
| Cat rear object detection  |          | ✓        | Post mounted membrane 16 switch keypad   | ✓        |          |
| Link technologies:   |          |          | Precleaner, HVAC   |          | ✓        |
| Product Link   | ✓        |          | Precleaner, HVAC (RESPA)   |          | ✓        |
| VIMS™  |          | ✓        | Radio, AM/FM/USB/MP3 Bluetooth®  |          | ✓        |
| Payload technologies: Cat Production Measurement 2.0, Printer, Aggregate Autodig   |          | ✓        | Radio, AM/FM/CD/USB/MP3 Bluetooth  |          | ✓        |
| Machine security system  |          | ✓        | Radio, AM/FM/CD/USB/MP3 Bluetooth with Satellite Sirius and XM   |          | ✓        |
|  |          |          | Radio, CB ready  |          | ✓        |
|  |          |          | Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp)   | ✓        |          |
|  |          |          | Receptacles (2), 12V   | ✓        |          |

(continued on next page)

# 962M Wheel Loader Standard and Optional Equipment

## Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

|   | Standard | Optional |
|---|----------|----------|
| <b>OPERATOR ENVIRONMENT (continued)</b>   |          |          |
| Roof, metallic  |          | ✓        |
| Seat, cloth, air suspension   | ✓        |          |
| Seat, suede/cloth, air suspension, heated   |          | ✓        |
| Seat, leather/cloth, air suspension, heated/cooled  |          | ✓        |
| Seat belt, 51 mm (2 in) retractable, with indicator   | ✓        |          |
| Seat belt, 76 mm (3 in) retractable, with indicator   |          | ✓        |
| Steering, EH joystick, speed sensing with force feedback  | ✓        |          |
| Steering, secondary   |          | ✓        |
| Steering, steering wheel  | ✓        |          |
| Sun visor, front  | ✓        |          |
| Sun visor, rear   |          | ✓        |
| Viscous mounts  | ✓        |          |
| Wet-arm wipers/washers front and rear, intermittent front wiper   | ✓        |          |
| Windows, rubber mounted   |          | ✓        |
| Window, sliding (left and right sides)  | ✓        |          |
| Windows, with front guard   |          | ✓        |
| Windows, with full guards front, rear and sides   |          | ✓        |
| <b>ELECTRICAL AND LIGHTING</b>  |          |          |
| Alarm, back-up  | ✓        |          |
| Alternator, 145-amp brushed   | ✓        |          |
| Auxiliary halogen cab-mounted work lights (four additional) or  |          | ✓        |
| Auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with 2 LED work lights in the radiator grill and LED front turn signals. Also includes replacement of the standard four halogen cab-mounted work lights with four LED work lights (the standard offering and only roading light available is the halogen roading light) |          | ✓        |
| Batteries (2), maintenance free 1,400 CCA   | ✓        |          |
| External seat belt indicator light  |          | ✓        |
| Ignition key; start/stop switch   | ✓        |          |
| Lighting system: four halogen work lights (cab mounted); two LED stop, turn, tail lights; two halogen roading lights (with signals); two halogen rear vision lights (hood mounted)  | ✓        |          |

|  | Standard | Optional |
|--|----------|----------|
| <b>ELECTRICAL AND LIGHTING (continued)</b>   |          |          |
| Main disconnect switch   | ✓        |          |
| Receptacle start (cables not included)   | ✓        |          |
| Reversing strobes  |          | ✓        |
| Starter, electric, heavy duty  | ✓        |          |
| Starting and charging system (24V)   | ✓        |          |
| Warning amber strobe beacon  |          | ✓        |
| <b>FLUIDS</b>  |          |          |
| Premixed extended life coolant with freeze protection to -34°C (-29°F)                             | ✓        |          |
| Premixed extended life coolant with freeze protection to -50°C (-58°F)                             |          | ✓        |
| <b>HYDRAULICS</b>  |          |          |
| Couplings, Cat C-ring face seal  | ✓        |          |
| Hoses, Cat XT™   | ✓        |          |
| Hydraulic oil cooler (swing out)   | ✓        |          |
| Hydraulic system, load sensing   | ✓        |          |
| Oil sampling valves  | ✓        |          |
| 3 <sup>rd</sup> function with Ride Control – standard linkage, high lift linkage, forestry linkage |          | ✓        |
| 4 <sup>th</sup> function with Ride Control – standard linkage, high lift linkage, forestry linkage |          | ✓        |
| Remote diagnostic pressure taps  | ✓        |          |
| Ride control, 2V   | ✓        |          |
| Steering, load sensing   | ✓        |          |
| <b>LINKAGE</b>   |          |          |
| Autolube   |          | ✓        |
| Extended capacity  |          | ✓        |
| Forestry   |          | ✓        |
| High lift  |          | ✓        |
| Kickout, lift and tilt, automatic (adjustable in cab)  | ✓        |          |
| Quick coupler ready  |          | ✓        |
| Z-bar, cast crosstube/tilt lever   | ✓        |          |
| <b>STARTERS, BATTERIES, AND ALTERNATORS</b>  |          |          |
| Cold start – 120V  |          | ✓        |
| Cold start – 240V  |          | ✓        |
| <b>WORK TOOLS</b>  |          |          |
| Forks, logging   |          | ✓        |
| Forks, pallet  |          | ✓        |
| Fusion quick coupler   |          | ✓        |
| Performance Series buckets   |          | ✓        |

(continued on next page)

# 962M Wheel Loader Standard and Optional Equipment

## Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

|   | Standard | Optional |   | Standard | Optional |
|---|----------|----------|---|----------|----------|
| <b>COMPUTERIZED MONITORING SYSTEM</b>   |          |          | <b>OTHER STANDARD AND OPTIONAL EQUIPMENT</b>  |          |          |
| With following gauges:  | ✓        |          | Auto idle shutdown  | ✓        |          |
| Speedometer/tachometer  |          |          | Cat Autolube System   |          | ✓        |
| Digital gear range indicator  |          |          | Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready |          | ✓        |
| Diesel Exhaust Fluid (DEF) level (Tier 4 Final/Stage V models)                      |          |          | Ecology drains for engine, transmission, and hydraulics   | ✓        |          |
| Temperature: engine coolant, hydraulic oil, transmission oil                        |          |          | Fenders, front with mud-flap/rear with extension  | ✓        |          |
| Fuel level  |          |          | Fenders, roading  |          | ✓        |
| With following warning indicators:  | ✓        |          | Filters: fuel, engine air, engine oil, hydraulic oil, transmission  | ✓        |          |
| Regeneration  |          |          | Fuel cooler   | ✓        |          |
| Temperature: axle oil, engine intake manifold                                       |          |          | Grease zerks  | ✓        |          |
| Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil |          |          | Grill, airborne debris  | ✓        |          |
| Battery voltage hi/low  |          |          | Guard, power train  |          | ✓        |
| Engine air filter restriction   |          |          | Hitch, drawbar with pin   | ✓        |          |
| Hydraulic oil filter restriction  |          |          | Hood, non-metallic power tilting  | ✓        |          |
| Hydraulic oil low   |          |          | Platform, window washing  |          | ✓        |
| Parking brake   |          |          | Precleaner, turbine   |          | ✓        |
| DEF low level (Tier 4 Final/Stage V models)   |          |          | Precleaner, trash   |          | ✓        |
| Transmission filter bypass  |          |          | Precleaner rain cap   | ✓        |          |
|   |          |          | Service centers (electrical and hydraulic)  | ✓        |          |
|   |          |          | Sight gauges: engine coolant, hydraulic oil, and transmission oil level   | ✓        |          |
|   |          |          | Toolbox   | ✓        |          |
|   |          |          | Vandalism protection caplocks   | ✓        |          |
|   |          |          | <b>OTHER CONFIGURATIONS</b>   |          |          |
|   |          |          | Aggregate handler   |          | ✓        |
|   |          |          | Industrial and waste handler  |          | ✓        |
|   |          |          | Forestry  |          | ✓        |



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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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