**K Series — Making Your Choice Easy:**

- **Enjoy All Day Comfort** – Have a seat in the updated K Series Small Wheel Loader and enjoy excellent all around visibility and low-effort joystick controls that move with you on a fully adjustable seat suspension. A large spacious operator environment combined with Caterpillar’s exclusive hydraulic cylinder damping and smooth predictable controls make this the most comfortable seat on your job site.

- **Work Made Easy** – Move more with Caterpillar’s patented quick loading Performance Series buckets and optimized Z-bar linkage that combines the digging efficiency of a traditional Z-bar with tool carrier capabilities. The parallel lift and high tilt forces throughout the working range allow you to safely and confidently handle loads with precise control.

Multi-function work has never been easier with dedicated pumps for each system and a flow sharing implement valve governed by an intelligent power management system. Simultaneously lift, steer and drive without compromise. The K Series Small Wheel Loader simply does what you ask it to do.

- **Efficiently Powerful** – Experience hybrid like fuel efficiency with an intelligent hydrostatic power train and industry leading fuel savings through a lower maximum engine speed of just 1,600 rpm in Standard Mode. Power when you need it with Caterpillar’s exclusive Power-by-Range technology that increases power in Range 4 for improved speed on grade. For your toughest and most demanding applications a new Performance Mode will allow you to boost the power and hydraulic speed in all ranges to get the job done even quicker. Meets U.S. EPA Tier 3/EU Stage IIIA equivalent emission standards with a Cat® C7.1 ACERT™ engine that is designed to manage itself so you can concentrate on your work.

- **Customize Your Experience** – Meet your application requirements and individual preferences with Caterpillar’s industry first Hystat™ Operator Modes featuring four unique power train settings. Select classic Torque Converter for smooth rollout, conventional Hystat for aggressive engine braking, an Ice Mode that maximizes your control on slippery underfoot, or default mode which blends the best of Hystat and Torque Converter characteristics. Fine tune machine performance with adjustments at your fingertips through the soft touch buttons and optional secondary display. Quickly set hydraulic response along with linkage kick-out positions, maximum wheel torque, and peak ground speed to efficiently perform a multitude of tasks.

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### Specifications

<table>
<thead>
<tr>
<th>Engine</th>
<th>Engine Model</th>
<th>Cat C7.1 ACERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Mode</td>
<td>Standard Mode</td>
<td>Performance Mode</td>
</tr>
<tr>
<td>Speed Range</td>
<td>Range 1-3*</td>
<td>Range 1-4</td>
</tr>
<tr>
<td>Maximum Gross Power</td>
<td>Maximum Engine Speed: 1,600 rpm, 1,800 rpm</td>
<td></td>
</tr>
<tr>
<td>ISO 14396</td>
<td>101 kW 135 hp</td>
<td>105 kW 141 hp</td>
</tr>
<tr>
<td>ISO 14396 (DIN)</td>
<td>101 kW 137 hp</td>
<td>105 kW 143 hp</td>
</tr>
<tr>
<td>Rated Net Power</td>
<td>Maximum Engine Speed: 1,600 rpm, 1,800 rpm</td>
<td></td>
</tr>
<tr>
<td>SAE J1349</td>
<td>98 kW 131 hp</td>
<td>102 kW 137 hp</td>
</tr>
<tr>
<td>ISO 9249 (DIN)</td>
<td>99 kW 135 hp</td>
<td>103 kW 140 hp</td>
</tr>
</tbody>
</table>

**Engine (continued)**

<table>
<thead>
<tr>
<th>Engine</th>
<th>Standard Mode</th>
<th>Performance Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Gross Torque</td>
<td>ISO 14396</td>
<td>725 N·m 534 lbf-ft</td>
</tr>
<tr>
<td>Maximum Net Torque</td>
<td>SAE J1349</td>
<td>704 N·m 519 lbf-ft</td>
</tr>
<tr>
<td>ISO 9249 (1977)/EEC 80/1269</td>
<td>711 N·m 524 lbf-ft</td>
<td></td>
</tr>
<tr>
<td>Displacement</td>
<td>7.01 L</td>
<td>272 in³</td>
</tr>
</tbody>
</table>

- Engine meets Tier 3/Stage IIIA equivalent emission standards.
- Net power shown is the power available at the flywheel when the engine is equipped with alternator and air cleaner.

*Range 4 power is boosted to be the same as Performance Mode.*
924K Wheel Loader

**Buckets**
- Bucket Capacities - General Purpose: 1.7-2.5 m³, 2.2-3.2 yd³
- Bucket Capacities - Light Material: 3.1-5.0 m³, 4.0-6.5 yd³

**Steering**
- Steering Articulation Angle (each direction): 40°
- Maximum Flow - Steering Pump: 125 L/min, 33 gal/min
- Maximum Working Pressure - Steering Pump: 24 130 kPa, 3,500 psi
- Maximum Steering Torque:
  - 0 degrees (straight machine): 50 375 N·m, 37,155 lbf-ft
  - 40 degrees (full turn): 37 620 N·m, 27,747 lbf-ft
- Steering Cycle Times (full left to full right):
  - At 1,800 rpm, steering wheel speed: 2.4 seconds
- Number of Steering Wheel Turns - full left to full right or full right to full left: 3.5 turns

**Loader Hydraulic System**
- Maximum Flow - Implement Pump: 150 L/min, 40 gal/min
- 3rd Function Maximum Flow*:
  - 150 L/min, 40 gal/min
- 4th Function Maximum Flow*:
  - 150 L/min, 40 gal/min
- Maximum Working Pressure - Implement Pump: 26 000 kPa, 3,771 psi
- Relief Pressure - Tilt Cylinder: 28 000 kPa, 4,061 psi
- 3rd Function Maximum Working Pressure: 26 000 kPa, 3,771 psi
- 4th Function Maximum Working Pressure: 26 000 kPa, 3,771 psi
- Hydraulic Cycle Times:
  - Standard Mode at 1,600 rpm:
    - Raise (ground level to maximum lift): 6.3 seconds
    - Dump (at maximum lift height): 1.7 seconds
    - Float Down (maximum lift to ground level): 2.6 seconds
  - Performance Mode at 1,800 rpm:
    - Total Cycle Time: 10.6 seconds

*Adjustable from 20% to 100% of maximum flow through the secondary display, when equipped.

**Transmission**
- Forward and Reverse:
  - Range 1*:
    - 1-13 km/h, 0.6-8 mph
  - Range 2:
    - 13 km/h, 8 mph
  - Range 3:
    - 27 km/h, 17 mph
  - Range 4:
    - 40 km/h, 25 mph

*Creeper control allows maximum speed range adjustability from 1 km/h (0.6 mph) to 13 km/h (8 mph) in Range 1 through the secondary display, when equipped. Factory default is 7 km/h (4.4 mph).

**Tires**
- Standard Size: 17.5 R25, radial (L-3)
- Other Choices Vary by Region:
  - 20.5 R25, radial (L-2) Flexport™ Gen II
  - 20.5 R25, radial (L-3) 17.5 R25, radial (L-2)
  - 20.5 R25, radial (L-5) 17.5 R25, radial (L-5)
  - 20.5-25 12PR (L-2) 550/65 R25 radial (L-3)
  - 20.5-25 12PR (L-3) Skidder/Agriculture
  - 20.5-25 16PR (L-5)

- Other tire choices are available. Contact your Cat dealer for details.
- In certain applications, the loader’s productive capabilities may exceed the tire’s tonnes-km/h (ton-mph) capabilities.
- Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

**Cab**
- Cab and Rollover Protective Structures (ROPS) are standard.
- A semi-cab option is available.

**Sound**
- The declared dynamic operator sound pressure level is 72 dB(A) when “ISO 6396:2008” is used to measure the value for an enclosed cab.
- The measurement was conducted at 70% of the maximum engine cooling fan speed, with the cab doors and cab windows closed. The cab was properly installed and maintained. The sound level may vary at different engine cooling fan speeds.
- The declared exterior sound power level is 104 dB(A) when the value is measured according to the dynamic test procedures and the conditions that are specified in “ISO 695:2008.”

**Axles**
- Front:
  - Fixed
  - Open differential (standard)
  - Locking differential (optional)
- Rear:
  - Oscillating ±11 degrees
  - Open differential (standard)
  - Limited slip differential (optional in some regions)

**Service Refill Capacities**
- Fuel Tank: 195 L, 51.5 gal
- Cooling System: 32 L, 8.5 gal
- Engine Crankcase: 19.5 L, 5.2 gal
- Transmission (gearbox): 8.5 L, 2.2 gal
- Axles:
  - Front: 21 L, 5.5 gal
  - Rear: 21 L, 5.5 gal
- Hydraulic System (including tank): 160 L, 42.3 gal
- Hydraulic Tank: 90 L, 23.8 gal
| **1** | Height: Ground to Cab | 3340 mm 10'11" | 3254 mm 10'8" |
| **2** | Height: Ground to Beacon | 3707 mm 12'1" | 3621 mm 11'10" |
| **3** | Height: Ground Axle Center | 685 mm 2'2" | 599 mm 1'11" |
| **4** | Height: Ground Clearance | 397 mm 1'3" | 311 mm 1'0" |
| *5* | Length: Overall | 7374 mm 24'2" | 7441 mm 24'4" |
| 6 | Length: Rear Axle to Bumper | 1986 mm 6'6" | 1986 mm 6'6" |
| 7 | Length: Hitch to Front Axle | 1500 mm 4'11" | 1500 mm 4'11" |
| 8 | Length: Wheel Base | 3000 mm 9'10" | 3000 mm 9'10" |
| *9* | Clearance: Bucket at 45 degrees | 2857 mm 9'4" | 2772 mm 9'1" |
| **10** | Clearance: Load Over Height | 3308 mm 10'10" | 3223 mm 10'6" |
| **11** | Clearance: Level Bucket | 3525 mm 11'6" | 3440 mm 11'3" |
| **12** | Height: Bucket Pin | 3852 mm 12'7" | 3767 mm 12'4" |
| **13** | Height: Overall | 4997 mm 16'4" | 4912 mm 16'1" |
| *14* | Reach: Bucket at 45 degrees | 950 mm 3'1" | 1016 mm 3'4" |
| 15 | Carry Height: Bucket Pin | 447 mm 1'5" | 458 mm 1'6" |
| **16** | Dig Depth | 100 mm 3'9" | 186 mm 7'3" |
| 17 | Width: Bucket | 2550 mm 8'4" | 2550 mm 8'4" |
| 18 | Width: Tread Center | 1930 mm 6'3" | 1940 mm 6'4" |
| 19 | Turning Radius: Over Bucket | 5903 mm 19'4" | 5920 mm 19'5" |
| 20 | Width: Over Tires | 2540 mm 8'4" | 2471 mm 8'1" |
| 21 | Turning Radius: Outside of Tires | 5402 mm 17'8" | 5402 mm 17'8" |
| 22 | Turning Radius: Inside of Tires | 2851 mm 9'4" | 2851 mm 9'4" |
| 23 | Rack Angle at Full Lift | 53 degrees | 53 degrees |
| 24 | Dump Angle at Full Lift | 50 degrees | 50 degrees |
| 25 | Rack Angle at Carry | 43 degrees | 45 degrees |
| 26 | Departure Angle | 33 degrees | 33 degrees |
| 27 | Articulation Angle | 40 degrees | 40 degrees |
| * | Tipping Load – Straight (ISO 14397-1) | 8959 kg 19,744 lb | 8588 kg 18,928 lb |
| * | Tipping Load – Full Turn (ISO 14397-1) | 7765 kg 17,113 lb | 7441 kg 16,400 lb |
| * | Nominal Material Density 110% Fill Factor | 1858 kg 4,094 lb | 1780 kg 3,923 lb |
| * | Breakout | 10 342 kg 22,794 lb | 10 389 kg 22,898 lb |
| * | Operating Weight | 12 019 kg 26,490 lb | 11 471 kg 25,281 lb |

*Vary with bucket.

**Vary with tire.

Dimensions listed are for a Standard Lift machine configured with heavy counterweights, 80 kg (176 lb) operator, and Michelin 20.5 R25 (L-3) XHA2 or Goodyear 17.5 16PR tires where specified above. Bucket volumes are each with bolt-on cutting edges on a 1.9 m³ (2.5 yd³) Performance Series Pin-On bucket.
924K Wheel Loader

STANDARD EQUIPMENT

POWER TRAIN
- Auto idle shut down feature
- Cat C7.1 ACERT engine
  - Power modes (Standard and Performance)
  - Power by range (High Power in Range 4)
  - Turbocharged and aftercooled
  - Filtered crankcase breather
- Coded start (requires secondary display)
- Coolant protection to –34° C (–29° F)
- Enclosed wet disc full hydraulic brakes
- Fuel priming pump, automatic
- Hydraulically driven demand cooling fan
- Hydrostatic transmission with electronic control
  - Operator modes (Default, TC, Hystat, and Ice)
  - Directional Shift Aggressiveness
    (fast, medium, slow)
  - Rimpull control, adjust wheel torque
  - Creeper control, adjust ground speed
- Parking brake, electric
- Single plane cooling package wide six fins per inch density
- Throttle lock and max speed limiter

HYDRAULICS
- Automatic lift and bucket kickouts, adjustable in-cab
- Bucket and fork modes, adjustable in-cab
- Cylinder damping at kickout and mechanical end stops
- Fine mode control (fast, medium, slow) in fork mode
- Hydraulic response setting (fast, medium, slow)
- Hydraulic diagnostic connectors and S-O-S™ ports
- Load sensing hydraulics and steering

ELECTRICAL
- Alternator, 115 amp, heavy duty
- 12V power supply in cab (2)
- Batteries, 1,000 CCA (2) 24V system, disconnect switch
- Back-up alarm
- Emergency shutdown switch
- Halogen work and roading lights, LED rear tail lights
- Remote jump start post
- Resettable main and critical function breakers

OPERATOR ENVIRONMENT
- 75 mm (3 in) retractable seat belt, with audible alarm and indicator
- Automatic temperature control
- External heated mirrors with lower parabolic
- Hydraulic control lockout
- Interior cab lighting, door and dome
- Interior rearview mirrors (2)
- Lunch box storage
- Radio ready speakers
- Rear window defrost, electric
- Seat-mounted electronic implement controls, adjustable
- Column mounted multi function control – lights, wipers, turn signal
- Tilt and telescopic steering wheel
- Tinted front glass
- Wet arm wiper/washer, 2-speed and intermittent, front

OTHER STANDARD EQUIPMENT
- Large-access enclosure doors with adjustable close/open force
- Parallel lift loader linkage

OPTIONAL EQUIPMENT

HYDRAULICS
- Debris packages (low, medium, high)
- Differential lock, front axle
- Fenders (extended cover and full coverage)
- Guarding (machine and operator)
- Lights, auxiliary, halogen or LED with engine compartment lights
- Object Detection
- Product Link™ PRO and ELITE with capabilities for software push, data logging, histogram and trend mapping
- Radio packages
- Rear wiper
- Ride Control System, adjustable through secondary display

ELECTRICAL
- Seats
  - Deluxe seat – fully adjustable fabric air suspension seat with mid backrest and mechanical lumbar support
  - Premium seat – fully adjustable leather and fabric air suspension with high backrest and air lumbar support. Seat is heated and ventilated on bottom cushion and backrest.
- Steering
  - Dual mode and secondary
- CE Certification
- NOTE: Not all features are available in all regions.

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