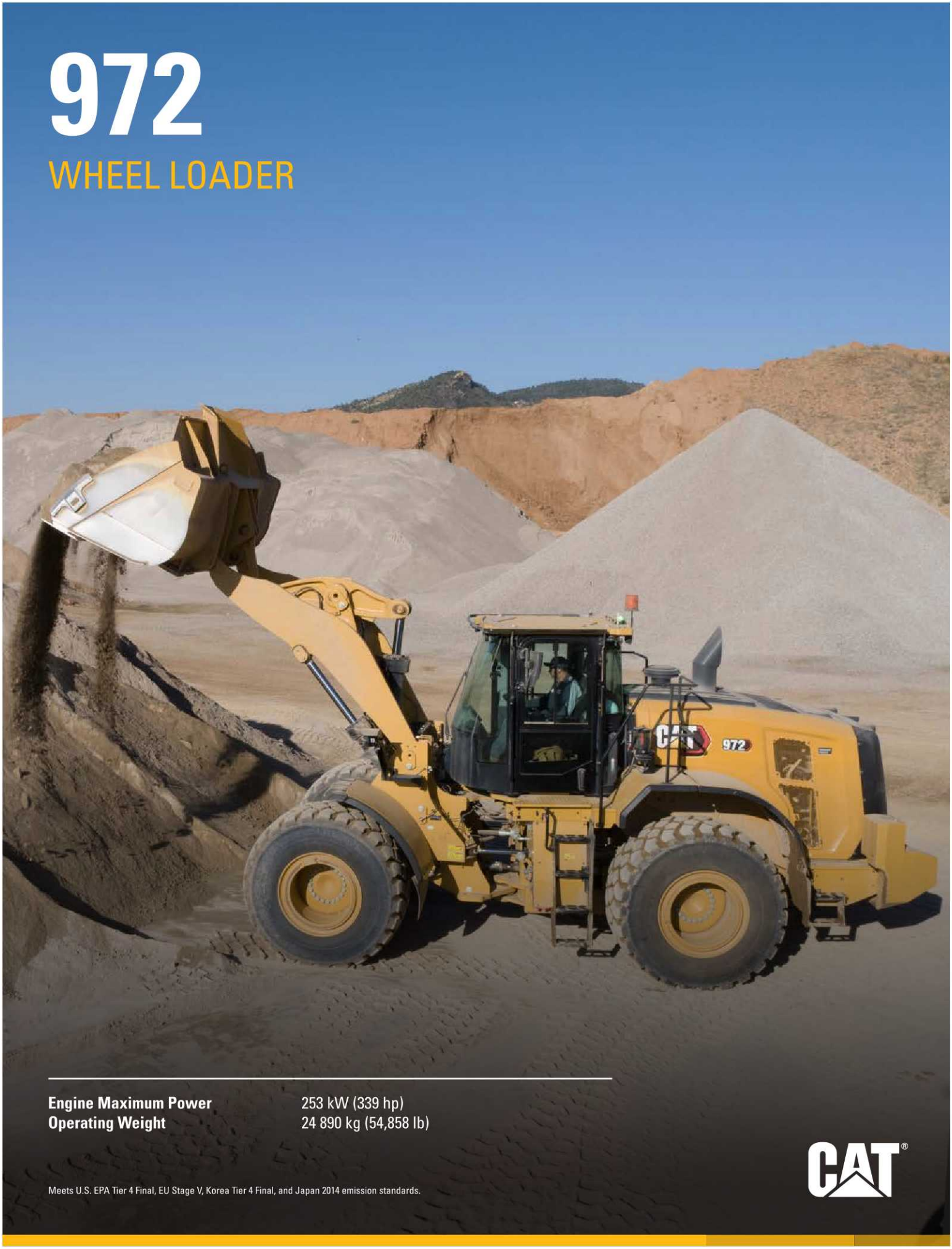
# 972

## WHEEL LOADER




| | |
|---|---|
| **Engine Maximum Power** | 253 kW (339 hp) |
| **Operating Weight** | 24 890 kg (54,858 lb) |

Meets U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 4 Final, and Japan 2014 emission standards.

CAT®

## ENHANCED POWER TRAIN

Our power trains come standard with a lock-up clutch transmission, matching the engine power to increase fuel efficiency while delivering optimal performance.

## DURABLE AXLES

Axles are designed to handle your most extreme applications. The rear axle oscillates to ±13 degrees for excellent stability and traction on even the roughest terrain.

## QUICK COUPLERS AND WORK TOOLS

For versatility, buckets and components can be changed without leaving the cab, allowing the machine to quickly move from task to task.


## OPTIMIZED HYDRAULICS

Our hydraulic systems come equipped with a mono-block main hydraulic valve. This design reduces weight while decreasing leak points by 40%.

## EXTENSIVE RANGE OF ATTACHMENTS

Do more jobs with one machine. An extensive range of work tools and bucket styles are available to optimize these machines for your operation.

## DURABLE FRAMES

The robotically welded two-piece structural frame absorbs impact associated with excavation and loading, while the hitch system provides high bearing force capacity.

# TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

| ENGINE | | |
|---|---|---|
| Engine Model | Cat® C9.3B | |
| Engine Power @ 1,600 rpm – ISO 14396:2002 | 253 kW | 339 hp |
| Gross Power @ 1,600 rpm – SAE J1995:2014 | 256 kW | 343 hp |
| Net Power @ 1,600 rpm – ISO 9249:2007, SAE J1349:2011 | 239 kW | 321 hp |
| Engine Torque @ 1,200 rpm – ISO 14396:2002 | 1864 N·m | 1,375 lbf-ft |
| Gross Torque @ 1,200 rpm – SAE J1995:2014 | 1882 N·m | 1,388 lbf-ft |
| Net Torque @ 1,200 rpm – ISO 9249:2007, SAE J1349:2011 | 1785 N·m | 1,316 lbf-ft |
| Displacement | 9.3 L | |

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 4 Final, and Japan 2014 emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat engines are compatible with the following renewable, alternative, and bio-fuels* with lower greenhouse gas emission impact:
  - Up to B20 biodiesel (FAME)
  - Up to 100% HVO and GTL renewable fuels

  ** Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.*

| WEIGHT | | |
|---|---|---|
| Operating Weight | 24 890 kg | 54,858 lb |

- Weight based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link™, front manual differential/open rear axles, power train guard, secondary steering, sound suppression, and a 4.8 m³ (6.25 yd³) general purpose bucket with BOCE.

| BUCKET CAPACITIES | | |
|---|---|---|
| Bucket Range | 2.8-14.0 m³ | 3.75-18.25 yd³ |

| TRANSMISSION | | | | | |
|---|---|---|---|---|---|
| Forward 1 | 6.7 km/h | 4.1 mph | Reverse 1 | 7.3 km/h | 4.5 mph |
| Forward 2 | 13.4 km/h | 8.4 mph | Reverse 2 | 14.8 km/h | 9.2 mph |
| Forward 3 | 24.1 km/h | 15.0 mph | Reverse 3 | 26.6 km/h | 16.5 mph |
| Forward 4 | 39.5 km/h | 24.5 mph | Reverse 4 | 39.5 km/h | 24.5 mph |

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 849 mm (33 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) | 109 dB(A) |
| Exterior Sound Pressure Level (SAE J88:2013) | 76 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 | 108 dB(A)*** |

**For machines in European Union countries and 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 37° Turn – with Tire Deflection | 16 297 kg | 35,919 lb |
| Static Tipping Load – Full 37° Turn – No Tire Deflection | 17 505 kg | 38,582 lb |
| Breakout Force | 196 kN | 44,072 lbf |

- For a machine configuration as defined under "Weight."
- Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

| SERVICE REFILL CAPACITIES | | |
|---|---|---|
| Fuel Tank | 303 L | 80.1 gal |
| DEF Tank | 26 L | 6.9 gal |
| Cooling System | 66 L | 17.4 gal |
| Crankcase | 23 L | 6.1 gal |
| Transmission | 58.5 L | 15.5 gal |
| Differentials and Final Drives – Front | 57 L | 15.1 gal |
| Differentials and Final Drives – Rear | 57 L | 15.1 gal |
| Hydraulic Tank | 114 L | 30.1 gal |

| HYDRAULIC SYSTEM | | |
|---|---|---|
| Implement System: | | |
| Maximum Pump Output (2,275 rpm) | 373 L/min | 99 gal/min |
| Maximum Operating Pressure | 31 000 kPa | 4,496 psi |
| Hydraulic Cycle Time – Total | 10.7 seconds | |

| DIMENSIONS | Standard Lift | |
|---|---|---|
| Height to Top of Hood | 2846 mm | 9'4" |
| Height to Top of Exhaust Pipe | 3527 mm | 11'7" |
| Height to Top of ROPS | 3589 mm | 11'10" |
| Ground Clearance | 420 mm | 1'4" |
| Center Line of Rear Axle to Edge of Counterweight | 2458 mm | 8'0" |
| Center Line of Rear Axle to Hitch | 1775 mm | 5'10" |
| Wheelbase | 3550 mm | 11'8" |
| Overall Length (without bucket) | 7731 mm | 25'5" |
| Hinge Pin Height at Maximum Lift | 4464 mm | 14'7" |
| Hinge Pin Height at Carry | 682 mm | 2'2" |
| Lift Arm Clearance at Maximum Lift | 3842 mm | 12'7" |
| Rack Back at Maximum Lift | 56 degrees | |
| Rack Back at Carry Height | 49 degrees | |
| Rack Back at Ground | 39 degrees | |
| Width over Tires (Loaded) | 3011 mm | 9'11" |
| Tread Width | 2230 mm | 7'3" |

- All dimensions are approximate and based on machine equipped with 4.8 m³ (6.25 yd³) general purpose bucket with BOCE and Bridgestone 26.5R25 VJT L3 radial tires.

## AIR CONDITIONING SYSTEM

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant which has a $CO_2$ equivalent 2.288 metric tonnes (2.522 tons).