

THE CAT® R1300G UNDERGROUND LOADER

POWERFUL PERFORMANCE IN A COMPACT PACKAGE

1. Buckets designed for optimal loadability and structural reliability, with four dump bucket sizes and one ejector bucket option. Multiple Cat® Ground Engaging Tool (GET) options to achieve best productivity while maximizing bucket life
2. Proven frame design for increased durability
3. Spread hitch design, which widens the distance between upper and lower hitch plates to distribute forces and increase bearing life
4. Proven Z-bar loader linkage geometry, which generates powerful breakout force, and an increased rack back angle for better bucket loading and material retention
5. Aggressive hydraulic performance for machine responsiveness and improved loading times
6. Continuous focus on operator safety and comfort including ROPS/FOPS cabin with ergonomic layout, plus interior and exterior safety details
7. Efficient Cat 3306B engine for unequalled lugging force while digging, tramming and traversing steep grades
8. Flow-through Diesel Particulate Filter (optional), suitable for mine sites using 15ppm sulphur content fuel, which further reduces particulate matter by ~51%
9. Cat electrical components, such as connectors, wiring harnesses and ECMs, designed to live in corrosive environments
10. Radiator guard that swings open to allow service access; high-efficiency radiator offered as optional cooling package
11. Ground-level access to all tanks, filters, lubrication points and compartment drains, which simplifies servicing and reduces regular maintenance time
12. Brake release and tow hook option that allows you to remove the machine and disengage the park brake if the machine must be towed



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6800 kg / 14,991 lb
RATED PAYLOAD

12 020 kg / 26,504 lb
BREAKOUT FORCE (SAE)

117 kW / 157 hp
ENGINE POWER
ISO14396:2002



LOAD MORE EVERY CYCLE

- » Cat four-speed planetary power shift transmission that is Caterpillar designed and supported to provide maximum integration with the engine — delivering constant power over a wide range of operating speeds.
- » High-capacity torque converter that delivers more power to the wheels for superior powertrain efficiency.
- » Powerful Cat hydraulics that deliver exceptional digging and lifting forces and fast cycle times. Steering hydraulic system designed for excellent steering response.
- » Ride control fully integrated into the hydraulic system, improving operator comfort, machine control, cycle times and ride quality.

SUPERIOR CONTROL, COMFORT AND SAFETY FOR OPERATOR

- » Cab that is resiliently mounted to the frame to isolate the operator from vibration for a more comfortable ride.
- » Controls, levers, switches and gauges that are ergonomically positioned to maximize productivity and minimize operator fatigue.
- » Dash display that is quick-start enabled with information available before engine start.
- » Steering control, implement control and floor pedals using durable and simple pilot systems that are familiar to both operators and service technicians.
- » Suspension Seat for optimal driving position and enhanced operator comfort.



DURABILITY AND SERVICABILITY

- » Frame that is engineered to withstand the extreme forces generated during loading and tramping cycles.
- » Sealed Colleted Pins fitted to all bucket and lift arm hinge points for longer pin and bushing life; sealed joints to retain lubrication and prevent contaminant entry.
- » Cat Electronic Technician (Cat ET) service tool that enables quick electronic diagnosis of machine performance and key diagnostic data for effective maintenance and repairs.
- » Scheduled Oil Sampling sample point adaptors fitted standard to the machine.



SAFETY

- » Service area located on cold side of engine.
- » On-board articulation and lift arm safety pins that, once installed, allow maintenance personnel to safely service the R1300G.
- » Three engine shut-off switches and fire system activation valve that are accessed from ground level.
- » Hand rails and steps that provide 3-point contact for access to the machine and cabin.

