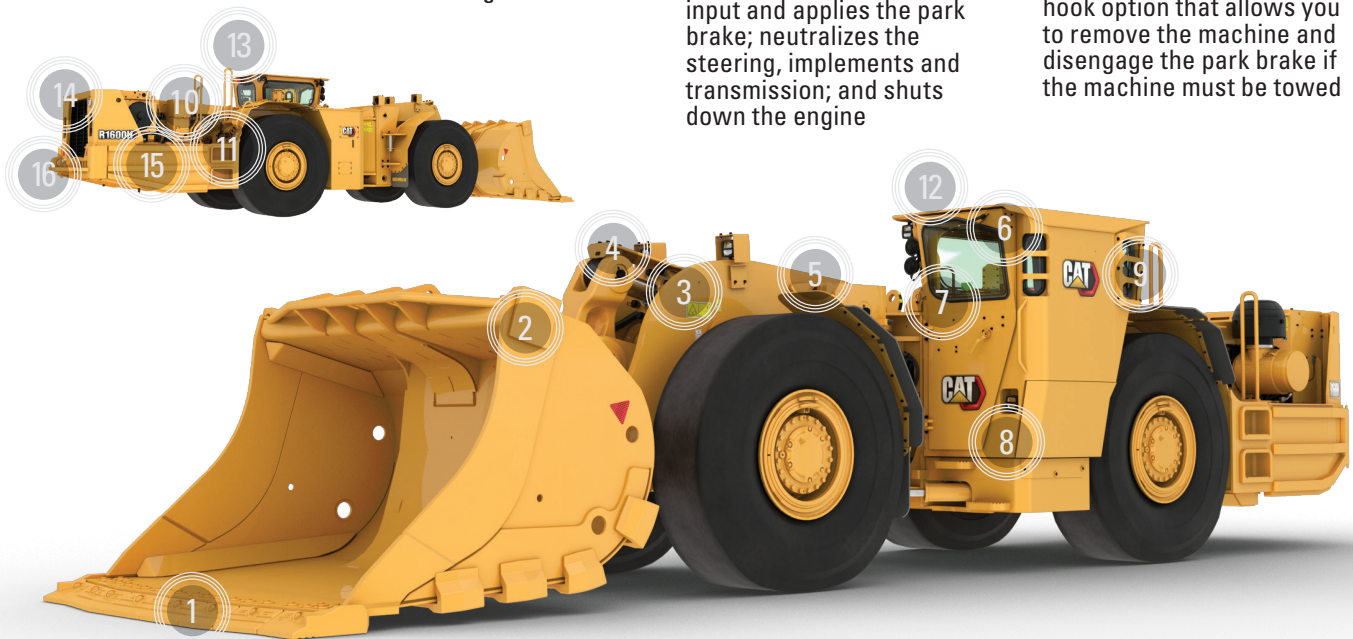


## THE CAT® R1600H UNDERGROUND LOADER

**FASTER.  
SMARTER.  
SAFER.**

1. Multiple bucket options available including dump buckets, ejector buckets and bolt-together buckets, plus full range of Cat® Ground Engaging Tools (GET) 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 safety and comfort including ROPS/FOPS cabin with ergonomic layout, plus interior and exterior safety details
7. Color Multi-Purpose Display (CMPD) and cluster gauge modules placed in front of the operator, which makes it a more comfortable environment to view during operation
8. VIMS Gen3, which provides vital machine health information; combines Health Information Monitoring and VIMS capability in one ECM; provides wireless, GPS and 3G network connectivity capabilities
9. Operator Present System, which detects the absence of operator input and applies the park brake; neutralizes the steering, implements and transmission; and shuts down the engine
10. Efficient Cat C11 ATAAC engine for unequalled lugging force while digging, tramming and traversing steep grades; Tier 3 and Ventilation Reduction (VR) engines MSHA compliant and certified to Canmet
11. Flow-through Diesel Particulate Filter developed for the VR Engine, suitable for mine sites using 15ppm sulphur content fuel, and further reduces particulate matter by ~ 51%
12. Cat MineStar™, including Command for underground, managed through onboard electronics; available automation-ready from the factory
13. Cat electrical components, such as connectors, wiring harnesses and ECMs, designed to live in corrosive environments
14. Radiator guard that swings open to allow service access; high-efficiency radiator offered as optional cooling package
15. Ground-level access to all tanks, filters, lubrication points and compartment drains, which simplifies servicing and reduces regular maintenance time
16. Brake release and tow hook option that allows you to remove the machine and disengage the park brake if the machine must be towed



## THE CAT® R1600H UNDERGROUND LOADER



10 200 kg / 22,487 lb  
RATED PAYLOAD

17 928 kg / 39,524 lb (TILT)  
19 202 kg / 42,333 lb (LIFT)  
BREAKOUT FORCE (ISO)

202 kW / 271 hp  
ENGINE POWER  
ISO14396:2002



### SUPERIOR CONTROL, COMFORT AND SAFETY FOR OPERATOR

- » Integral ROPS cab 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.
- » Suspension Seat for optimal driving position and enhanced operator comfort.
- » Dual brake pedals that function as a brake and a transmission neutralizer, allowing the operator to maintain high engine rpm for full hydraulic flow and fast cycle times.

### DURABILITY AND SERVICABILITY

- » Design and manufacturing quality of R1600H's frames proven by our customers, many of whom reuse frames during machine rebuilds to get second and third lives out of their LHDs.
- » Sealed colleted pins fitted to all bucket and lift arm hinge points for longer pin and bushing life; sealed joints retain lubrication and prevent contaminant entry.
- » CMPD multi-screen display along with Caterpillar Electronic Technician service tool to enable 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, once installed, that allow maintenance personnel to safely service the loader.
- » Three engine shut-off switches and fire system activation valve that are accessed from ground level.
- » Hand rails and steps to provide three-point contact for access to the machine and cabin.



### LOAD MORE EVERY CYCLE

- » Cat four-speed planetary power shift transmission that is Caterpillar designed and supported to provide maximum integration with the Cat C11 engine — delivering constant power over a wide range of operating speeds.
- » Torque Converter Lockup Clutch, which combines maximum rimpull with the efficiency and performance of direct drive when lockup clutch is engaged. 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.

