

## THE CAT® 6020 HYDRAULIC MINING SHOVEL

**CONSISTENT,  
RELIABLE  
PERFORMANCE.  
BEST-IN-CLASS  
PRODUCTIVITY.**



1. Easily accessible ground level service station
2. Durable boom with energy-efficient boom lowering float valves
3. Optimized bucket design to achieve high productivity with Cat X-2 (C85) GET
4. Safety features designed in accordance with mining safety best practices
5. Durable Cat C32B engine meets Tier 4 emissions requirements
6. State-of-the-art cab with best-in-class space, visibility and sound suppression
7. Efficient, independent oil cooling system
8. Exchangeable power module
9. 45-degree ladder for improved access and egress
10. Five emergency shut-off switches
11. Heavy-duty undercarriage components, including new rolled track shoe offerings, increase durability and extend wear life
12. Valve block on boom for easy access to swing system components
13. Automatic track tensioning system
14. Hydraulic Optimization
15. Industry-leading Cat hose and coupling solutions



# THE CAT® 6020 HYDRAULIC MINING SHOVEL



HRC: 1,040 hp / 776 kW  
LRC: 1,033 hp / 771 kW  
ENGINE OUTPUT

23.8 t / 21.6 mt  
BUCKET PAYLOAD

253.8 t / 230.2 mt  
OPERATING WEIGHT

## SERVICEABILITY

- » Exchangeable power module can be swapped out and transported for repair
- » Improved swing system component accessibility
- » Optimally routed and organized hoses and components



## SUPERIOR DURABILITY

- » New C32B engine offers even greater durability and reliability than its predecessor, with a higher flow oil pump, new cylinder head, and more. Increased piston compression height enables higher power in select applications
- » Cat Greased & Lubricated Tracks with exclusive Cat rigid tractor seals and Positive Pin Retention technology improve internal wear life by 2000 hours or more over traditional sealed track
  - › Heavy Duty Rollers are Fixed Axle Design and Sealed-for-Life, extend life, improve reliability, reduce overheating and allow machine to travel longer
  - › The New Heavy Duty High Strength Rolled Section Track Shoe with heat treated bolt heads provides increased wear life and better serviceability
  - › New rolled track shoe is more durable given the different manufacturing process and now is available in three different lengths to provide lower ground pressure to fit more applications



## CAB

- » Quiet, pressurized environment
- » No hydraulic lines in cab for clean, quiet, odorless environment
- » 10-inch touchscreen display gives easy access to information
- » Improved visibility with clear view of digging environment from all seats
- » Improved operator comfort with ergonomic Cat seat and joysticks
- » First-in-class three-seat cab
- » Elevated full-size trainer's seat and laptop work desk

## ELECTRONIC CONTROL SYSTEM

- » Intuitive, informative onboard electronics
- » Electro-hydraulic servo control reduces operator fatigue
- » Simplified troubleshooting increases machine uptime
- » Control and Monitoring Platform reduces fuel consumption and streamlines the control system
- » Enhanced fuel efficiency through Hydraulic Optimization

## SAFETY

- » Operator Protective Guard (Top Guard) certified cab with safety glass windows
- » Large windshield, floor window, LED lighting and optional camera monitoring system for higher operator awareness
- » Multiple emergency shut-off switches, including a pull switch on the ground
- » Wide, anti-slip walkways and a retractable 45-degree stairway for improved access and egress
- » Lockable battery isolation and starter lockout switch
- » Safe access to power module components

