
CAT® WATER SOLUTIONS

Defeat dust. Now you're in control.

777 (07) WATER TRUCK



What comes to mind when you think about the worksite? Dump trucks hauling loads of material, the boom of dynamite blasting through rock, or the dust levels that decrease visibility?

THE CHALLENGE: DUST

Haul road dust can impact safety and productivity. That's why Caterpillar is now offering a fully integrated solution to control dust – connected and backed by the one you trust.

A water truck may be one of the most important pieces of equipment at your site – and the support you need is just as important.

Integrated water solutions help you reduce haul road dust, solve overwatering / underwatering issues, and manage your site more safely, productively, and sustainably – with scalable levels of technology and support from the Cat® dealer you know and trust.

THE ANSWER: CAT WATER SOLUTIONS

Whether on a construction site, in a quarry, or at a mine site, the 777 has been a proven performer around the world. That's why we chose this truck to be the first to deliver an integrated Cat Water Solution – combining a truck, tank, and sprayer system with flexible levels of connectivity through Cat® MineStar Edge™.

Defeat Dust. Control Cost. Gain an Edge.



ONE SMART CHOICE: TRUCK, TANK, AND SPRAYER SYSTEM INTEGRATION – CONNECTED WITH FLEXIBLE LEVELS OF TECHNOLOGY.

A proven Cat 777 truck chassis is integrated with the tank and Cat Water Delivery System, paired with scalable technology to meet customer needs for more efficient, productive operations.

MineStar Edge Technology

The Basic connectivity package comes standard on all Cat Water Solutions trucks with a 6-month complimentary service-based offering for better data insights.

Cat branded tanks include additional features and options commonly selected by customers in the industry.

Cat Water Delivery System automatically controls the amount of water and spray patterns to prevent overwatering.

Cat 777 truck platform is Cab and ROPS certified to protect your operators in case of a rollover.



Retrofit kits are available for existing water delivery and technology systems.



SITE SAFETY AND PRODUCTIVITY: KEEP YOUR OPERATIONS RUNNING AT PEAK PERFORMANCE

ENHANCED SITE SAFETY

The Cat Water Delivery System (WDS) provides variable water flow based on truck speed, eliminating overwatering that can lead to slippery roads.

Properly watered haul roads control vision-impairing dust and reduce risk of accidents due to poor visibility.

Reduce hazardous airborne particulates that cause long-term health issues for workers by suppressing dust.

OPTIMIZED PRODUCTIVITY

Properly watered haul roads directly impact fleet cycle times, enabling you to meet production targets.

Spend less time maintaining haul roads by using proper watering techniques to solve overwatering / underwatering issues.

Prevent damage to trucks and reduce unplanned downtime with properly watered haul roads.

Pump features soft startup and shuts off automatically when the tank is empty, eliminating damage to your investment.

Maintenance-free and self-cleaning water spray heads reduce truck downtime.

GAIN AN EDGE WITH

CAT MINESTAR EDGE

Two levels of connectivity (Basic and Premium*) to meet any customer need.

- Connectivity includes data logging capabilities critical to minimizing safety-related liability.
- Water Solutions data can help ensure customers are meeting regulatory requirements.
- Asset management options include productivity, water usage, fuel & water tank levels, when and where to apply water, geofencing, asset location and remote management of water distribution.
- Additional functionality will be released in the future.

*optional upgrade

BASIC CONNECTIVITY: Edge Equipment Tracking

Edge Equipment Tracking will not interfere with existing fleet management systems. And tracking capabilities are available without the need for infrastructure investment. Equipment Tracking provides insights that help mines better manage their assets, and as a result they deliver more value and mines enjoy a lower overall cost of ownership.

Features include:

- Service Meter Readings
- Fueling & Recording
- Location Accuracy & Replay
- Time Utilization Tracking, Downtime & Operator Tracking
- Automatic Stoppage Measurement
- Health Event Record

PREMIUM CONNECTIVITY: Edge Production Recording

From payload to dig rates to operator breaks — every activity has an impact on productivity and an opportunity to be improved. MineStar Edge Production Recording helps you find those opportunities by giving you visibility to your entire mining operation. When paired with Equipment Tracking, it delivers an accurate and automated near-real-time solution that measures and reports on every aspect of the load-haul-dump cycle without requiring any operator input.

Features include:

- Summary of Production Progress in Shift
- Drill Down / Spin the World
- Production Projections
- Production Record / Water Circuits Traveled
- Water Application and Tank Fill Time Cycles



INTEGRATION AND SUPPORT + FLEXIBLE OPTIONS =

PROVEN COMPONENTS FOR RELIABLE PERFORMANCE

The 777 has been a proven performer at mines, quarries, and job sites for nearly 50 years. Now, the new 777 Water Truck with scalable technology offerings — delivered, warranted and serviced by your local Cat dealer — is more cost-effective as an integrated solution than its individual components.

A TURNKEY SOLUTION TO MEET YOUR UNIQUE NEEDS

- Retrofit kits available for existing Water Delivery and technology systems.
- A range of truck and tank offerings to fit every job site, road, quarry or mine.
- Try before you buy: the Basic connectivity package comes standard on all Cat Water Solutions trucks, with a 6-month complimentary service-based offering, for better data insights.

777 (07) Water Solutions Truck Tank Configurations

Multiple tank configurations are offered based on customer preference and regional locations.

| | TRUCK SPECIFICATIONS | | | |
|--|---|----|---------|-----|
| Bare Chassis Weight | 52 262 | kg | 115,217 | lb |
| Fuel tank capacity | 1136 | L | 300 | gal |
| Fuel tank - 100% fill | 955 | kg | 2,106 | lb |
| Target Gross Machine Weight (GMW)* | 164 654 | kg | 363,000 | lb |
| | TANK: AMERICAS, EUROPE, AFRICA, MIDDLE EAST | | | |
| Water Tank Capacity | 75 700 | L | 20,000 | gal |
| Water Tank - Max Empty Weight (no WDS) | 20 000 | kg | 44,092 | lb |
| Empty Machine Weight (with water tank) | 72 262 | kg | 159,310 | lb |
| Machine Weight with water tank full | 148 762 | kg | 327,964 | lb |
| Empty Machine Operating Weight (without water / with fuel) | 73 217 | kg | 161,416 | lb |
| | TANK: GLOBAL | | | |
| Water Tank Capacity | 75 700 | L | 20,000 | gal |
| Water Tank - Max Empty Weight (no WDS) | 20 412 | kg | 45,000 | lb |
| Empty Machine Weight (with water tank) | 72 674 | kg | 160,217 | lb |
| Machine Weight with water tank full | 148 719 | kg | 327,867 | lb |
| Empty Machine Operating Weight (without water / with fuel) | 73 629 | kg | 162,323 | lb |
| | TANK: AUSTRALIA / NEW ZEALAND | | | |
| Water Tank Capacity | 75 400 | L | 19,900 | gal |
| Water Tank - Max Empty Weight (no WDS) | 19 497 | kg | 42,983 | lb |
| Empty Machine Weight (with water tank) | 71 759 | kg | 158,201 | lb |
| Machine Weight with water tank full | 147 172 | kg | 324,458 | lb |
| Empty Machine Operating Weight (without water / with fuel) | 72 714 | kg | 160,307 | lb |

NOTE: Machine weights based on configuration. *Target GMW not to exceed weight in above table after attachments are installed.

For truck rimpull and retarding curves, please reference the 777 (07) Off-Highway technical specifications document.



THE TRUCK

Cat Truck Platforms 777 / 785 / 789

THE TANK



Features Include:

- Application-specific Cab and ROPS certification for operator safety
- Braking/retarding systems to provide operator focus on the job
- Hallmark Caterpillar durability, reliability, and efficiency
- Engine emissions to meet regional requirements
- Integrated systems enable fuel savings
- Eligible for Equipment Protection Plans (EPP) & Customer Value Agreements (CVAs)

Features Include:

- Splash guards, fill chute, rock ejectors
- Hoist capability for maintenance access
- Safety features include tie-offs, access ladders, camera system
- Cat dealer installation
- Caterpillar Factory Standard Warranty

THE SOLUTION YOU NEED, FROM THE ONE YOU TRUST.

THE CAT WATER DELIVERY SYSTEM



Features Include:

Self-contained hydraulic system controls spray patterns for consistent water coverage regardless of engine RPM

Capable of spraying up to 0.8 L / m² ranging from 3 to 25 mph (5 to 40 kph), covering an 80 foot (24 m) wide road in one pass

Variable water flow based on truck speed with automatic start and stop

Water cannon operates at idle

Pump features soft startup and shuts off automatically when the tank is empty

Factory-installed, integrated and durable ergonomic cab controls

THE TECHNOLOGY



Features Include:

Cloud-based application

Dedicated software and product support team

Service-based offering by site or by asset

Flexible levels of connectivity: choose from Basic or Premium packages



(07) WATER TRUCK

CONTROL DUST • INCREASE VISIBILITY • REDUCE RISK

FOR SMARTER, SAFER, MORE PRODUCTIVE OPERATIONS

Visit [Cat.com/WaterSolutions](https://www.cat.com/WaterSolutions) for more information.

LET'S DO THE WORK.™

PEDJ0849-03 (Build Number: 07B)

For more complete information on Cat products, dealer services and industry solutions, visit us at www.cat.com

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

© 2023 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

