



CAT® WATER DELIVERY SYSTEM

FACTORY OPTION FOR CAT 777G & 785D WTR TRUCK BARE CHASSIS
RETROFIT KITS FOR CAT 777F, 777G, AND 785D TRUCKS

The Cat® Water Delivery System (WDS) is an efficient way for mining operations to control dust on haul roads. This automated system, which is a fully-integrated Cat design, controls the amount of water and spray patterns to prevent the hazards common with over-watering.

The system employs a self-contained hydraulic system that controls spray patterns and allows for consistent water coverage regardless of engine RPM. The system is capable of spraying up to 1,200 gal (3 785 L) per minute at speeds ranging from 3 to 25 mph (5 to 40 kph).

HIGH-EFFICIENCY WATER SYSTEM

- Improves haul road safety
- Delivers fuel and water savings
- Improves productivity
- Reduces maintenance
- Yields quick payback

IMPROVES SAFETY

- Cat WDS provides variable water flow based on truck speed, eliminating over-watering, which can lead to poor traction.
- Because water delivery is automated, the operator can focus on driving and traffic.
- Remote tank fill control allows the operator to stay in the cab during refilling, reducing slips hazards.
- Includes auto shut-off when the water tank is full to prevent over-filling, resulting in increased component life.
- The automatic start and stop, based on truck speed, eliminates over-watering at road intersections.

SAVES FUEL

- Efficient pump control reduces fuel consumption by 14%.
- The water cannon operates at idle, reducing fuel consumption by 50%.

CONSERVES WATER

- The uniform spray of large water droplets delivers optimal gallons per square yard (liters per square meter) across the haul road to reduce water consumption by 25-50%.

IMPROVES PRODUCTIVITY

- An efficient variable hydraulic pump allows the truck to spend more time on the road controlling dust and less time returning to or sitting at the refilling station.
- Factory-installed, integrated and durable ergonomic cab controls are user-friendly and easy to learn.
- Seven programmable automatic configurations are provided, as well as intermittent spray in automatic or manual modes.
- Spray patterns are customizable to meet specific haul road needs.

DELIVERS RELIABILITY

- Self-cleaning spray head nozzles allows the operator to purge debris on-the-go to reduce maintenance.
- Pump features soft startup and shuts off automatically when the tank is empty, eliminating damage and preventing the pump from running dry.
- Monitor automatically displays diagnostic messages regarding water, hydraulics and electrical issues to allow quick resolution and keep the system running.
- Patented spray head design eliminates diaphragm and associated maintenance.

VALUE

- Savings in fuel, water, parts and maintenance costs provide quick payback period for Cat WDS.

BUILT FOR IT.

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WEHK1000



THE SYSTEM INCLUDES:

- Factory-installed controls
- Programmable display
- Variable hydraulic pump drive
- Stainless steel spray heads
- Independent hydraulic cooling system
- Hydraulically controlled water cannon with optional nozzles



Parts and service are available through the global Cat Dealer Network.

Water tank sourced through local suppliers.

CAT.COM/OEMSOLUTIONS

