

## PURPOSE-BUILT MINING EQUIPMENT



**GETMAN WATER CANNONS** are designed specifically to address the dangerous task of clearing drawpoints. The high pressure, high volume water cannon touts a 6 m horizontal boom reach with a rotating nozzle perfectly suited for angling the spray up and into blocked drawpoints, delivering a high volume of water when and where it is needed.

As always, operator safety is a top priority and the water cannon utilizes several design features to keep operators out of harm's way. The water cannon comes standard with a tele-remote system that allows the machine to be

positioned and operated at a safe distance. Likewise, critical components are built to break-away to ensure any damage to high risk parts can be easily and quickly replaced.

Customer feedback tells us the use of the water cannon has become the new standard for clearing drawpoints. Overall this machine improves productivity within hours instead of days, increases first pass success rates and minimizes personnel risk.



## TECHNICAL SPECIFICATIONS

### ENGINE

- Stage V/ T4F Approved Cummins B 6.7 - 168kW (225 hp)
- Tier III approved engine (6 cylinder)
  - › Cummins QSB6.7, 164kW (220hp)
- Liquid-cooled, turbocharged
- 151 L (40 gal) fuel tank with self-closing cap, sight gauges, and fuel/water separator

### EXHAUST SYSTEM

- Exhaust after treatment

### TRANSMISSION

- Dana Clark powershift transmission
- Three speeds forward and reverse
- 4-wheel drive

### AXLES

- Kessler S72 planetary drive axle package

### TIRES

- 12.00 x 20 mine service tires

### BRAKE SYSTEM

- Service brakes are spring-applied, hydraulic-released, liquid-cooled multi-disc brakes on all wheels.
- Automatic brake application (ABA) occurs upon fire suppression activation or loss of hydraulic accumulator pressure, transmission pressure or electrical power
- Kessler Brake Cooling Package with heat exchanger
- Hydraulic port for park brake emergency tow release
- Brake cooling reservoir temp monitor

### STEERING

- Armrest mounted joystick steering with integrated horn and headlight controls
- Heavy-duty, tapered roller bearing joint
- Two double-acting steer cylinders

### HYDRAULIC SYSTEM

- Sensors and diagnostic test ports with quick couple fittings for: each axle, park brake release pressure, hydraulic pumps
- 10-micron return filter
- 227 L (60 gal) hydraulic reservoir

### OPERATOR COMPARTMENT

- Three-point contact for entry and exit
- ROPS/FOPS certified compartment
  - › Open canopy
  - › Enclosed cabin with HVAC
- Operator seating with mechanical suspension
- Forward and side facing swivel operator seat
- Reverse camera

### INSTRUMENTATION

- Vehicle performance monitoring with on-screen gauges and diagnostics
- 10" interactive display
- Engine coolant temperature
- Voltmeter
- Hour Meter
- Tachometer
- Transmission charge pressure
- Transmission oil temperature
- Brake accumulator pressure gauge
- Brake accumulator low-pressure warning
- Park brake applied indicator light
- Audio/visual alert for high engine temperature
- Visual alert for low engine oil pressure
- Transmission hours
- Transmission neutralizer
- Audio/visual alert for low hydraulic tank level
- Visual alert Engine ECM

### ELECTRICAL SYSTEM

- 24 V electrical system
- Lockable master switch (isolator)
- Maintenance-free batteries
- LED lighting package (IP69K rated)
- Sealed connectors
- Braided outer jacket harness protection

### OTHER GENERAL EQUIPMENT

- Variable audio backup alarm (87-112dBA)
- Two 2.3 kg (5 lb) fire extinguishers
- Wheel chocks
- Manual actuated Ansul LVS FSS tied to engine shutdown
- Central lubrication system
- Dual front tow hooks

### OPTIONAL EQUIPMENT

- Wiggins fill system
- Lincoln auto-lubrication package
- Ansul Checkfire automatic actuation fire suppression system with linear detection loop
- Passenger seating with mechanical suspension
- 2x side view cameras
- Surround view cameras
- Door and/or seat belt interlocks
- 4-wheel independent brake temp monitors

## WATER CANNON SYSTEM\*

### WATER TANK FEATURES

- 6,800 L (1,800 gal) water tank capacity with baffles, cleanout plates, vents, sight gauges, rib protection and inlet screen
- Inlet supplied w/flexible surround and reflectors; LED tank level indicators (full and empty)
- Ladder for access atop of tank

### WATER CANNON PUMP

- High volume discharge pump 2835 lpm @ 10 bar with pressure gauge, diagnostic port, rear pump guards and LED indicator for remote operation
- High flow discharge hose w/Flow straightener nozzle; 60 m spray reach (theoretical)

### REMOTE BOOM FEATURES

- Maximum vertical nozzle reach - 8.8 m; horizontal reach - 6 m
- Single knuckle boom crane mounted rear of machine. 6 m boom extension; 190° boom slewing; hydraulic driven remote nozzle positioning ( $\pm 72^\circ$ /-50° Vertical,  $\pm 15^\circ$  Horizontal) with hinged break-away nozzle, boom extension covers, and boom camera shield.

### REMOTE CONTROLS

- Third-party integrated Remote Control Package; Tele-remote with guidance capability
- Wireless remote controls for: FSS, Trimming, Water Cannon, Boom and Camera operations
- Five camera display screen
- Trimming inhibit switch, lockable
- Tripod and Remote storage

\*Consult Getman for special configurations and additional deck space

## OPERATION



### OPERATING MODES

- Line-of-sight operation - The remote control is held by the operator with a shoulder strap and the vehicle and boom are guided purely by the operator's vision. The control distance of 60 m varies based upon conditions.
- Tele-remote operation - In this mode, the remote control is connected to the tele-remote station. The system's cameras on the machine and monitors in the tele-remote station are active to allow full controls beyond line-of-sight.
- (Optional) Communications Kit - This kit contains a signal amplifier, antenna and associated hardware to provide tele-remote operation if a wireless network system is not available at the mine.



### WHEN OPERATING IN TELE-REMOTE MODE, THE OPERATOR HAS ACCESS TO 5 DIFFERENT CAMERA VIEWS.

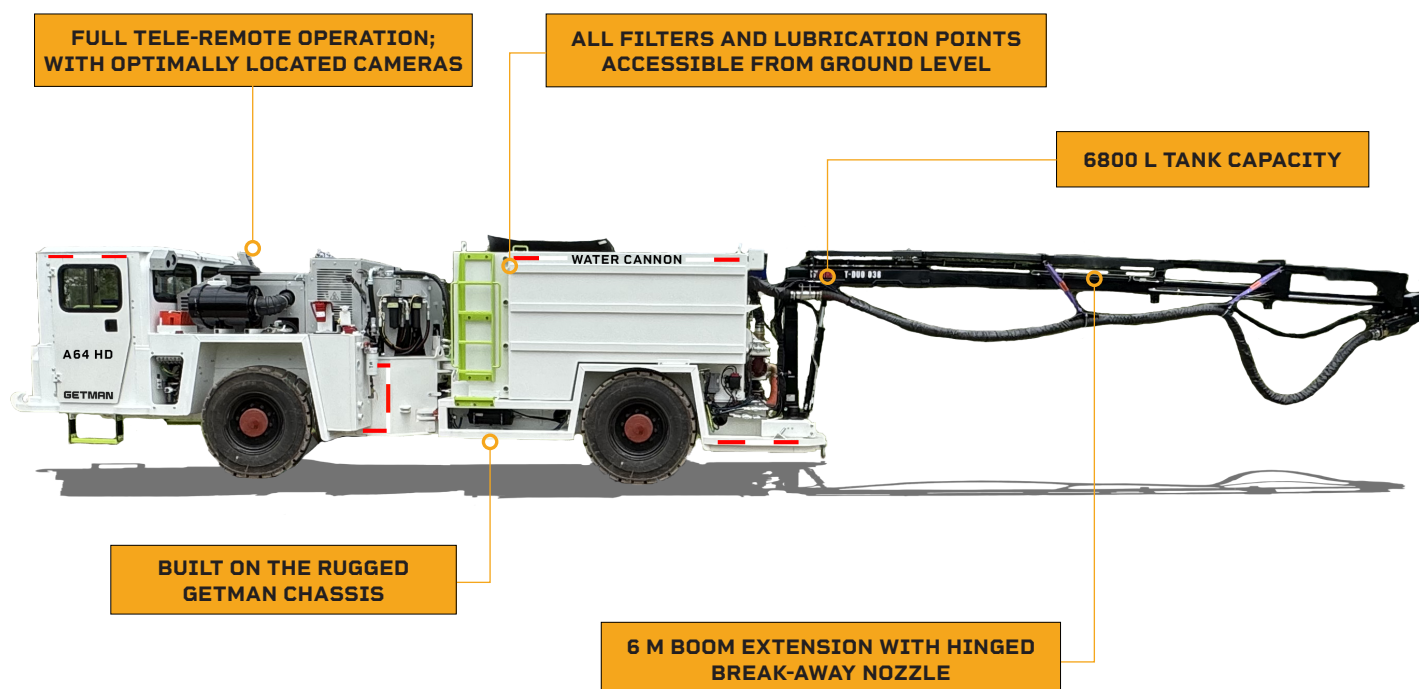
1. Nozzle Head
2. Cab Forward Facing
3. Rear - Center
4. Rear - Drivers Side
5. Rear - Cab



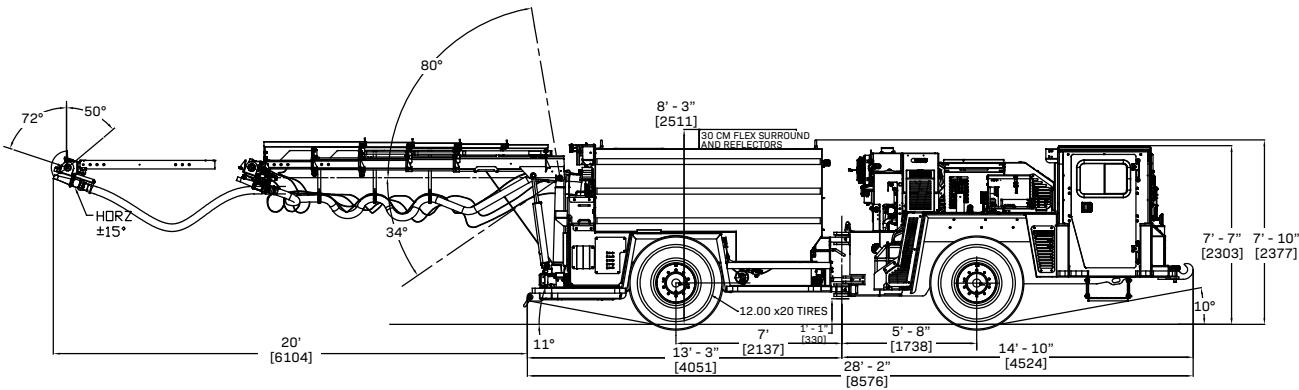
### BOOM WITH 6 M EXTENSION AND HINGED BREAKAWAY NOZZLE.

(Shown stowed for Trimming)

### DESIGN FEATURES AND LAYOUT

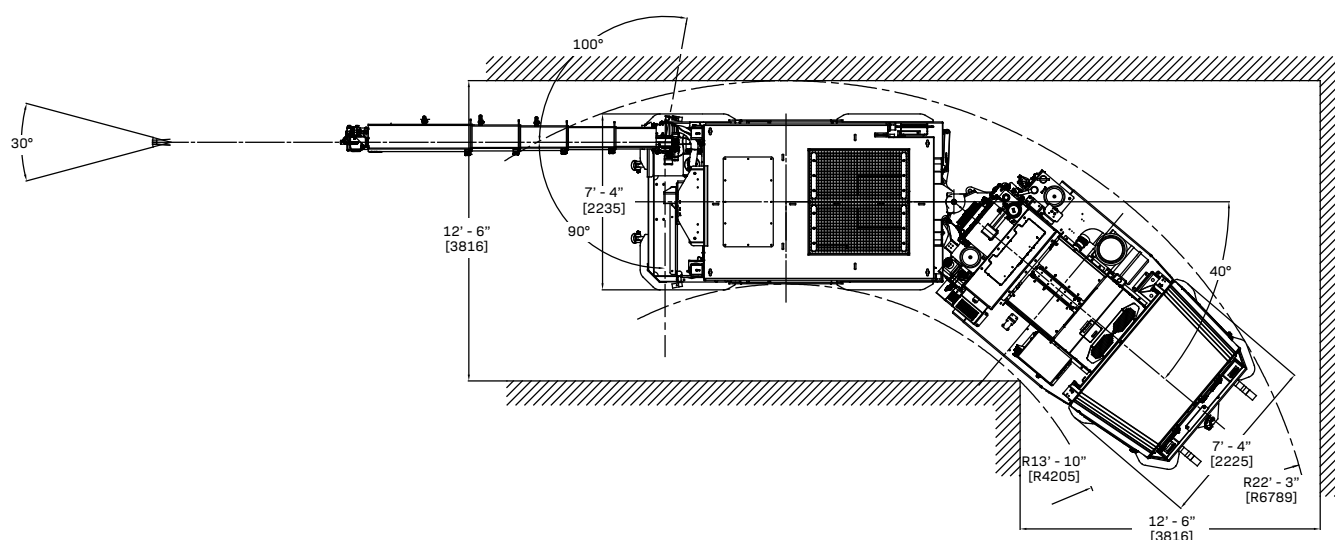


DIMENSIONS AND MANEUVERABILITY



MACHINE LENGTH	8576 mm	338 in
WHEELBASE LENGTH	3864 mm	152 in
GROUND CLEARANCE	330 mm	13 in
MACHINE HEIGHT (Canopy)	2303 mm	91 in
MACHINE HEIGHT (Water Tank)	2377 mm	94 in

## DIMENSIONS AND MANEUVERABILITY



<b>MACHINE WIDTH</b>	2225 mm	88 in
<b>INNER TURNING RADIUS</b>	4205 mm	166 in
<b>OUTER TURNING RADIUS</b>	6789 mm	267 in





## ABOUT GETMAN CORPORATION

Getman Corporation is a global supplier of mobile equipment to the mining industry, offering customer-specific solutions to underground mines in the production and production support classes of equipment. All Getman equipment is designed with extensive research and development and is supported by over seventy years of experience in serving the underground mining industry.

Through our network of distributors we sell and support our products on six continents, offering exceptional product solutions and following up with world class aftermarket support. At Getman Corporation, designing and building vehicles for the underground mining industry is what we do. We take pride in being the preferred supplier of underground production and

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Pictured machines in this document may contain optional and additional equipment.

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