



*Getman explosives chargers are versatile explosives charging vehicles designed to work in development drifting, production charging, up-hole charging applications and more. They can be configured for ANFO charging, emulsion charging, or both.*

*Getman's A64 ExC 2-500 is designed to perform explosives charging functions with a single operator, and the large 10 m wide by 6 m high (30 ft by 20 ft) face coverage area reduces cycle times by ensuring that each section can be charged without having to reposition the machine. An available onboard air compressor allows for fully contained operation, while the optional mine air package allows all charging operations to be performed using mine air for reduced emissions.*

*A64 explosives chargers protect miner safety through purpose-built design, including counterbalance valves on the lifting arm to prevent uncontrolled decent, fall arrest tie-off points in the man basket, engine stop and fire suppression actuation controls in the man basket, and hydraulic stabilizers with internal pilot check valves to ensure stability.*

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## Technical Specifications

### Engine

- Tier III approved engine - 4-cylinder
  - › Mercedes Benz OM904LA, 129 kW (173 hp) @ 2200 rpm
  - › Cummins QSB4.5, 127 kW (170 hp) @ 2200 rpm
- Liquid-cooled, turbocharged
- 113 L (30 gal) fuel tank with self-closing cap

### Exhaust System

- Catalytic exhaust conditioner and silencer

### Transmission

- Dana Clark 32000 powershift transmission
- Three speeds forward and reverse
- 4-wheel drive

### Axles

- Planetary drive axles
  - › Heavy-duty Carraro 28.43 axle package
  - › Enhanced capacity Carraro 28.60 axle package

### Tires

- Mine service tires
  - › 10.00x20-16pr
  - › 12.00x20-28pr

### Brake System

- Fully hydraulic wet disc service brakes on each axle
- Spring applied, hydraulic pressure release wet disc secondary brake
- Automatic secondary brake application upon loss of brake accumulator pressure, transmission pressure or electrical power

### Steering

- Orbitrol controlled articulated frame steering
- Heavy-duty, self-aligning bearings inside replaceable inserts
- Two double-acting steer cylinders with replaceable bushings in cylinder and frame ears
- 40° articulation each direction

### Hydraulic System

- Hot side/cold side engine layout
- Hydraulic hoses routed to cold side of engine
- Open center hydraulic circuits with gear hydraulic pump
- Diagnostic test ports with quick couple fittings for: each axle, service brake application pressure, and hydraulic pumps
- 10-micron return filter
- 151 L (40 gal) hydraulic reservoir

### Operator Compartment

- Three-point contact for entry and exit
- ROPS/FOPS certified compartment (SAE J1040C, CSA B-352, ISO 3471)
  - › Open canopy
  - › Enclosed cabin with heater and air conditioner
- Operator and passenger seating
- Mechanical suspension operator seat
- Retractable lap seat belts

### Instrumentation

- Engine and transmission gauges
- Engine temperature
- Engine oil pressure
- Voltmeter
- Hour meter
- Tachometer
- Transmission clutch pressure
- Converter temperature
- Brake accumulator pressure gauge
- Brake accumulator low-pressure warning
- Park brake applied warning light
- Audio/visual alert for high engine temperature
- Audio/visual alert for low engine pressure

### Electrical System

- 24 V, 100 A alternator
- Lockable electrical master switch (lockout)
- Maintenance-free 12 V batteries
- 50 W sealed beam headlights: two front, two rear, four on boom
- Sealed and oil resistant wiring
- Fully sealed connectors
- Fully sealed electrical boxes

### Other General Equipment

- Variable audio backup alarm (87-112dBA)
- Two 4.5 kg (10 lb) fire extinguishers
- Wheel chocks
- Four nozzle Ansul fire suppression system tied to engine shutdown (LTA-101-30)

### Optional Equipment

- Wiggins fill system
- Lincoln auto-lubrication package
- Stabilizer interlock control system (SICS) package
- Ansul Checkfire automatic actuation fire suppression system with linear detection loop

### Explosives Charging System\*

#### ANFO Package

- Air-powered electric/hydraulic system (using mine air) powers boom and all charging functions
- Grounding reel with heavy-duty clamp
- Three blasting cap and detonator storage compartments (one on operator side, two on passenger side) lined with plywood and gypsum board to prevent transfer of static charge, 810 mm/330 mm/356 mm (32 in/13 in/14 in) W/H/D
- Stainless steel ANFO vessels (ASME section viii div 1 uk 12 1995)
  - › One or two 450 kg (1,000 lb) ANFO vessel(s)
  - › One or two 900 kg (2,000 lb) ANFO vessel(s)
- Non-skid, 3-point contact platform for filling ANFO vessel
- Single-delivery system for each ANFO vessel
- Remote pneumatic controlled material valve
- Remote pneumatic controlled cleanout air valve
- 25 mm (1 in) diameter Rubber ANFO transfer hose mounted up boom
- 4.5 m (15 ft) of 25 mm (1 in) plastic anti-static hose for in-the-hole charging

#### ANFO Package – Air Supply Options

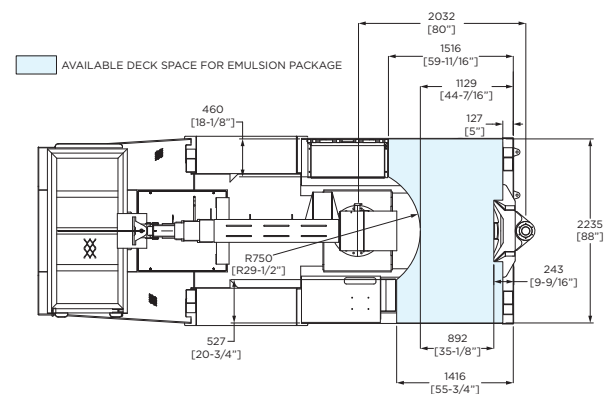
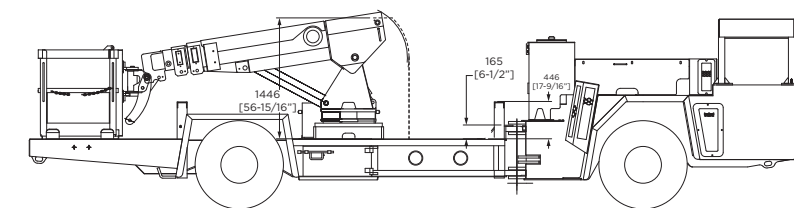
- Onboard engine-driven hydraulic-driven air compressors covered by fire suppression system (additional 2 nozzles)
  - › 1.70 m<sup>3</sup>/min (60 cfm) reciprocating compressor
  - › 2.41 m<sup>3</sup>/min (85 cfm) rotary screw compressor
  - › 3.54 m<sup>3</sup>/min (125 cfm) rotary screw compressor

#### Uphole ANFO Charging

- 45 mm (1.75 in) diameter, 6 m (20 ft) hole can be charged with 1.70 m<sup>3</sup>/min (60 cfm) compressor using 19 mm (.75 in) hose
- 75 mm (3 in) diameter, 30 m (100 ft) hole can be charged with 2.41 m<sup>3</sup>/min (85 cfm) compressor using 25 mm (1 in) hose
- 100 mm (4 in) diameter, 30 m (100 ft) hole can be charged with 3.54 m<sup>3</sup>/min (125 cfm) compressor using 25 mm (1 in) hose

#### Emulsion Package

- Air-powered electric/hydraulic system (using mine air) powers boom and all charging functions
- Grounding reel with heavy-duty clamp
- Three blasting cap and detonator storage compartments (one on operator side, two on passenger side) lined with plywood and gypsum board to prevent transfer of static charge, 810 mm/330 mm/356 mm (32 in/13 in/14 in) W/H/D
- Hydraulic gear pump installed to match third-party emulsion pumping system requirements
- 12 V or 24 V output for connection of third-party system
- Suction strainer and hydraulic return filter included in hydraulic system to accommodate third-party emulsion pumping system
- Ball valve added to enable installation of third-party pumping system without draining hydraulic system
- Different deck configurations available to accommodate various sized emulsion pumping packages



\*Consult Getman for special configurations and additional deck space

### Man-Lift Package\*

#### Telescopic Boom

- Getman 2-500 telescopic boom with 2800 mm (110 in) hydraulic extension
- Counterbalance valves
- 6 m x 10 m (20 ft x 30 ft) face coverage based on 2140 mm (7 ft) man reach
- Dual boom and basket controls mounted at the boom turret and in man basket

#### Man Basket

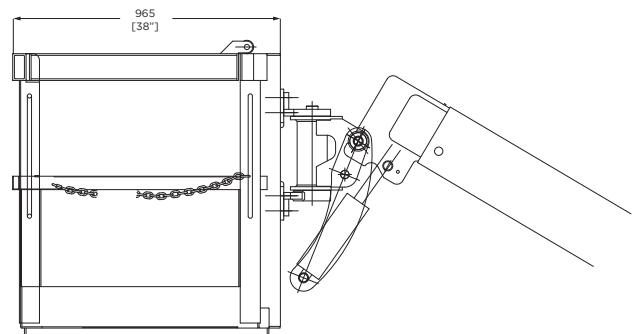
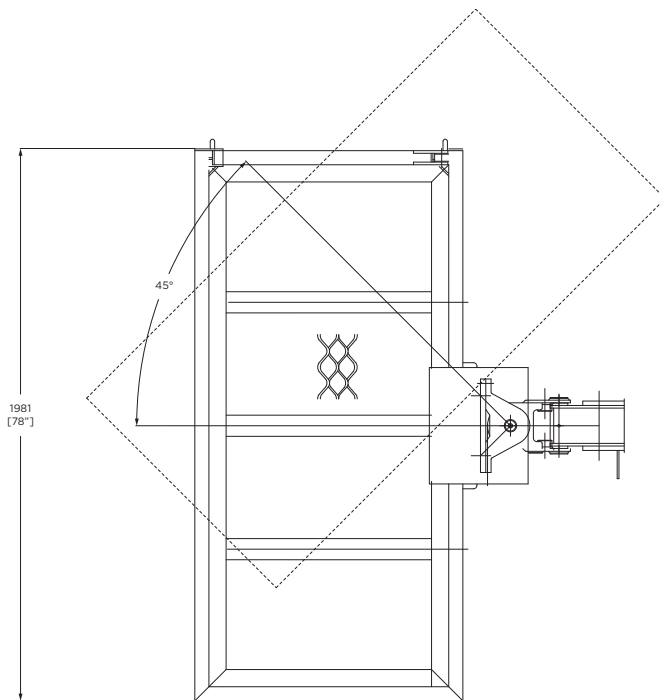
- Self-leveling, rotating man basket with 227 kg (500 lb) capacity
- Non-skid deck
- Fall arrest tie-offs
- Engine start and engine stop in man basket
- Fire suppression actuator in man basket

#### Stability

- Four 610 mm (24 in) hydraulic stabilizers with internal pilot check valves

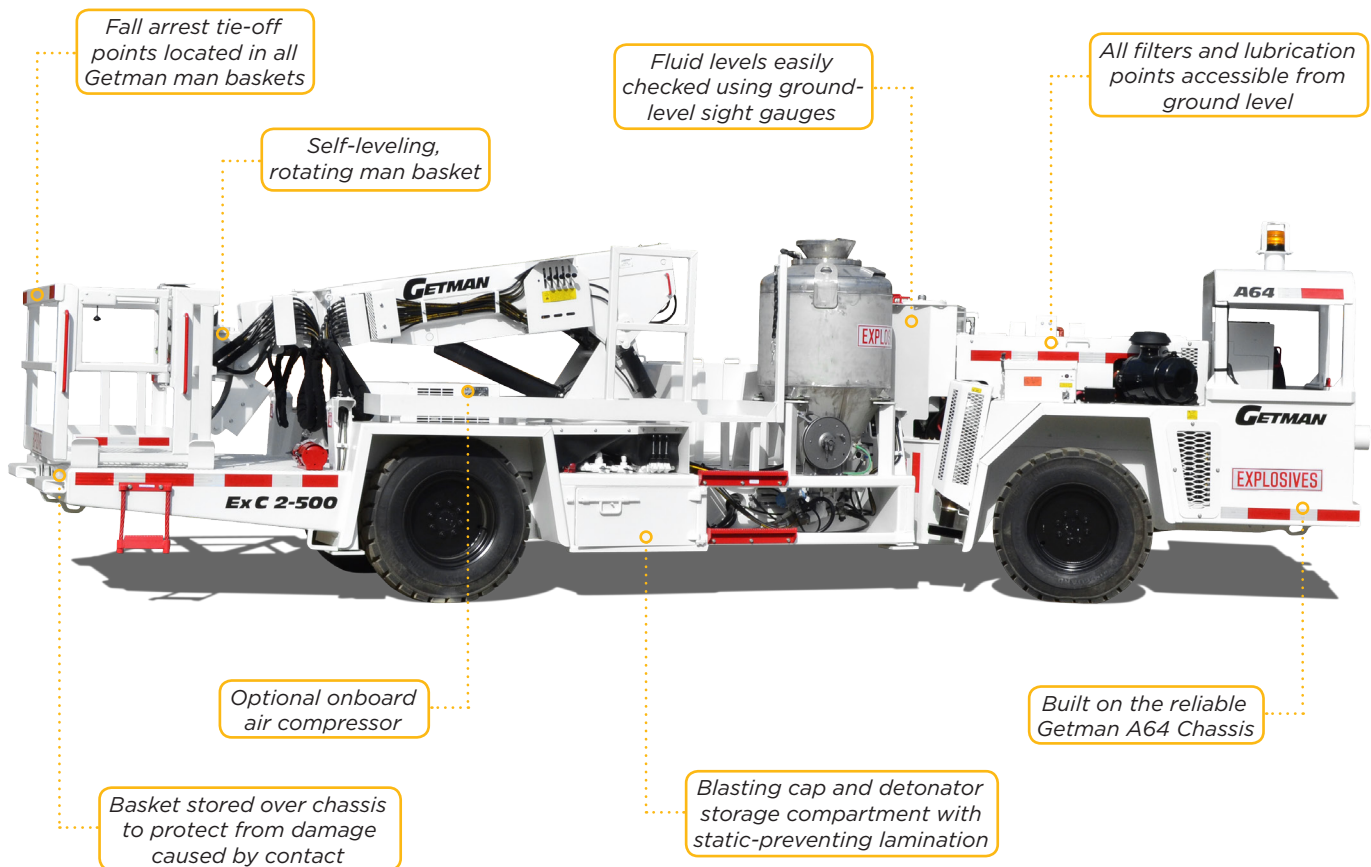
#### Telescopic Boom - Additional Options

- Emergency boom lowering package (electric powered hydraulic)



\*Consult Getman for special configurations

### Design Features and Layout



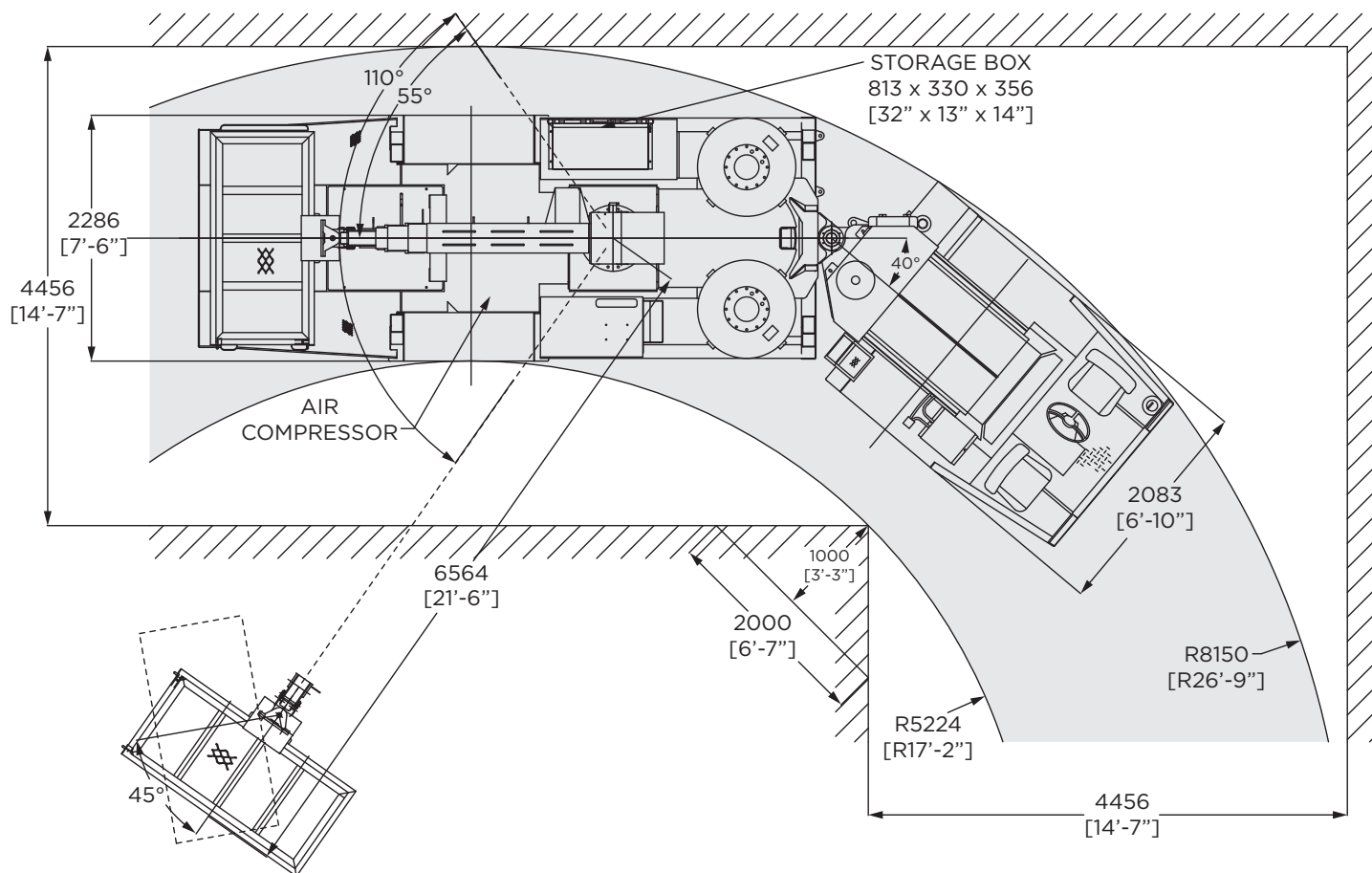
Technical drawing of the REX 1000 mobile crushing unit, showing dimensions and components. The unit is shown in profile, with a large hopper at the rear and a crushing mechanism at the front. Dimensions are provided in both millimeters and feet/inches.

Key dimensions and components labeled:

- Overall height: 6096 [20']
- Hopper height: 2134 [7']
- Crushing mechanism height: 5634 [18'-6"]
- Crushing mechanism width: 2785 [110"]
- Hopper width: 2415 [95"]
- 900 kg ANFO VESSEL
- 450 kg ANFO VESSEL
- 311 GRND [12.25"] CLRN
- 4877 [16'] (Wheelbase)
- 9319 [30'-7"] (Overall length)
- 2287 [7'-6"] (Overall width)
- 12.00 x 20 TIRES
- 18° (Tire angle)

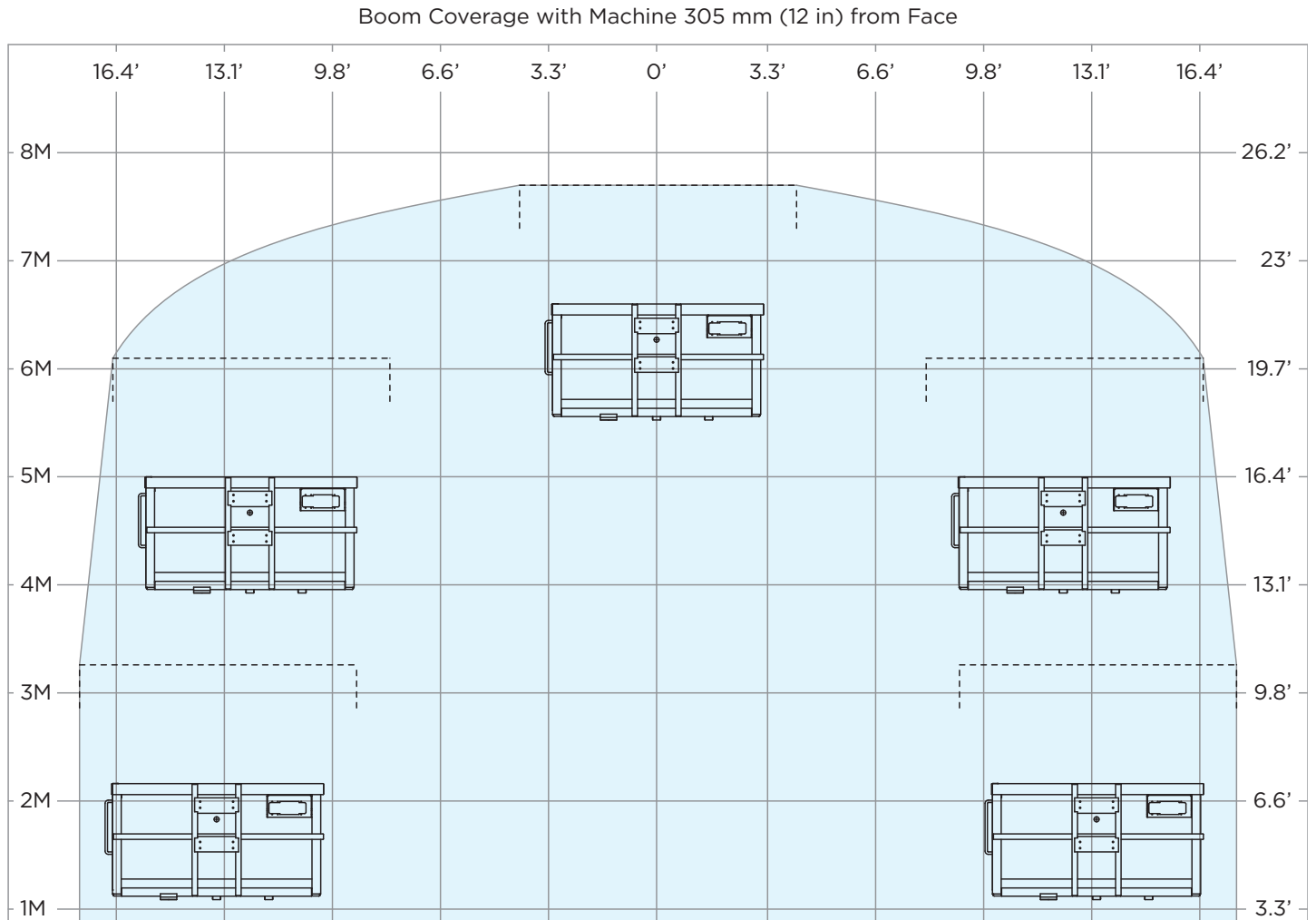
Machine Length	9319 mm	367 in
Wheelbase Length	4877 mm	192 in
Ground Clearance	311 mm	12.25 in
Machine Height (Canopy)	2287 mm	90 in
Machine Height (450kg ANFO Vessel)	2415 mm	95 in
Machine Height (900kg ANFO Vessel)	2785 mm	110 in

### Dimensions and Maneuverability



Machine Width	2286 mm	90 in
Inner Turning Radius	5224 mm	206 in
Outer Turning Radius	8150 mm	321 in

## Face Coverage Area





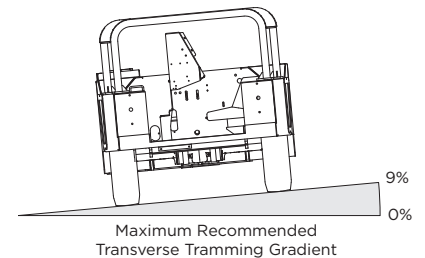
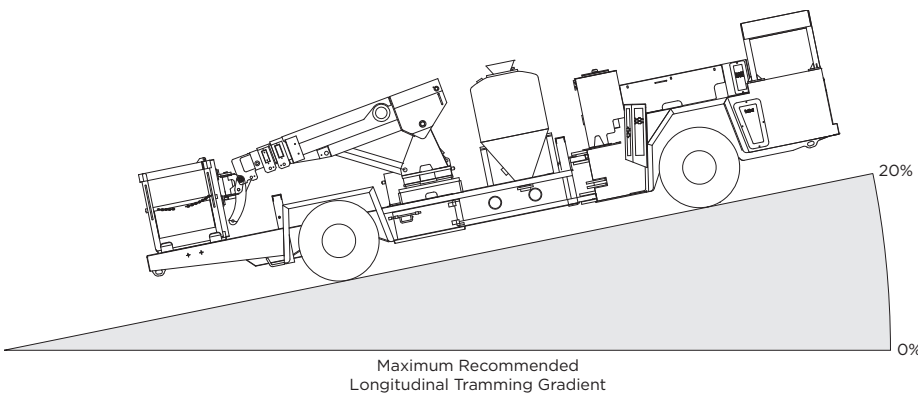
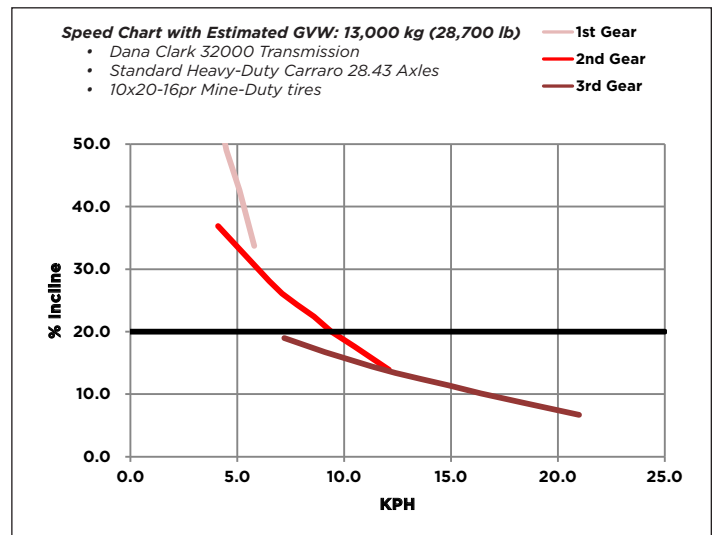
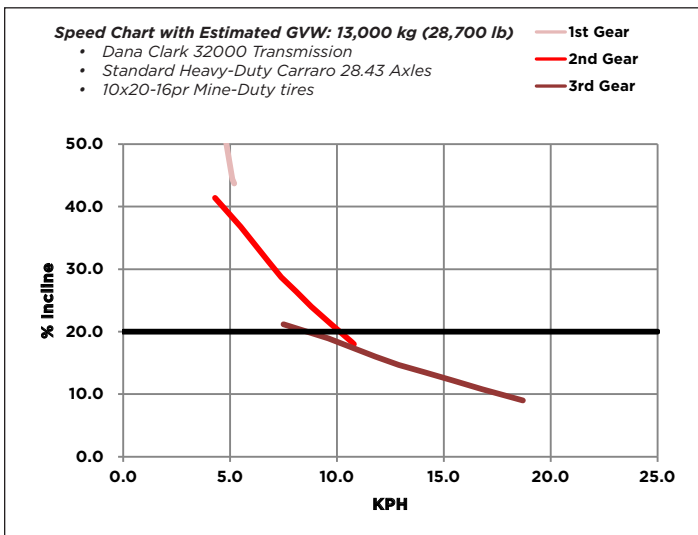
### Engine and Performance

#### Mercedes Benz OM904 Engine Package

Manufacturer	Mercedes
Model	OM904
Stage	Tier III
Design	4 Cylinders in line, water cooled
Max Power	129 kW (173 hp) @ 2200 rpm
Exhaust System	Catalytic exhaust conditioner and silencer
Aspiration	Turbocharged
Fuel Consumption	220 g/kW-hr (0.361 lb/hp-hr)

#### Cummins QSB4.5 Engine Package

Manufacturer	Cummins
Model	QSB4.5
Stage	Tier III
Design	4 Cylinders in line, water cooled
Max Power	127 kW (170 hp) @ 2200 rpm
Exhaust System	Catalytic exhaust conditioner and silencer
Aspiration	Turbocharged
Fuel Consumption	243 g/kW-hr (0.399 lb/hp-hr)



### **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 fifty 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 trucks for the underground mining industry is what we do. We take pride in being the preferred supplier of underground production and production support equipment to miners globally by offering customer-specific, value-driven and long-lasting solutions.

For more information contact your Getman distributor or email us at [info@getman.com](mailto:info@getman.com), or visit our website at [www.getman.com](http://www.getman.com).

For parts or service support, email us at [parts@getman.com](mailto:parts@getman.com) or [service@getman.com](mailto:service@getman.com).



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