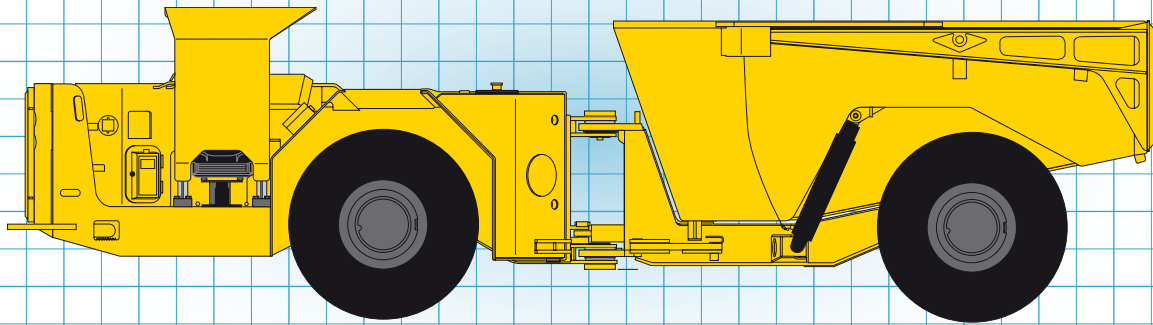


# Minetruck MT2010

## Technical specification



The Minetruck MT2010 is a 20 metric tonne underground truck, developed for small to medium-scale underground operations and high speed development.

## Features

### Dump box

- Optimum box profile for clean and fast dumping
- Box support for safe work under box

### Operator's compartment

- MSHA canopy with back protection
- 3 point mounting access for entry and exit from operator's compartment
- Optional back up camera and monitor for operator assistance
- Optional spacious and ergonomically designed compartment for maximum safety and minimal operator fatigue with:
  - Forward seated enclosed cabin
  - ROPS and FOPS certified for maximum safety
  - Air conditioning for convenient working conditions
  - Windows for safety and enhanced operator's visibility

### Power frame

- A high power-to-weight ratio
- Oversized power train components for long life and low costs

### General

- Great serviceability with centralized service points
- Long-life roller bearing centre hinge
- Anti skid material at service access points
- Maximum operating ambient temperature 52°C (125F)
- Central manual lubrication
- Hydraulic hoses, electric cables and hot surfaces are well routed and protected
- High ramp haulage performance
- SAHR brake system
- CE certified

# Specifications

| Capacities                     |           | Motion times |            | Matching vehicle*       |
|--------------------------------|-----------|--------------|------------|-------------------------|
| SAE regulations                |           | Dump box     |            | For Minetruck MT2010    |
| Tramming capacity, semi heaped | 20 000 kg | Dumping      | 15 seconds | Scooptram ST710, ST1030 |

*\* For sizing of buckets and boxes, please consult your local Customer Center*

## Engine

- Cummins..... QSL9C300, Tier/Stage 3
- Power rating at 2 100 rpm ..... 224 kW/300 hp
- Maximum torque at 1 350 rpm ..... 1 369 Nm
- MSHA Part 32 ventilation rate ..... 368 m<sup>3</sup>/min
- MSHA Part 32 particulate index ..... 396 m<sup>3</sup>/min
- Rock Tough purifier and silencer
- Dry type air cleaner
- Exhaust heat protection
- Cooling package with tube type radiator

## Transmission and converter

- Converter; single stage with automatic lock-up
- Dana..... 5000 Series

## Axles

- Spiral bevel differential, full floating, planetary wheel end drive
- Rock Tough..... 457
- Conventional front and rear differential
- Degree of oscillation..... 20° (10° on each side)

## Brakes

- Fully enclosed, force cooled, multiple wet discs at each wheel end
- Service/parking/emergency ..... SAHR

## Tyres

- Tubeless, steel radial, lug tread design for underground mine service
- Dimension..... 18.00R25

*\* As applications and conditions vary, Atlas Copco recommends that the user consults with tyre suppliers to obtain the optimum tyre selection*

## Operator's compartment

- Side seated operator for bi-directional operation
- Canopy; MSHA approved with integrated rib roll protection
- Grammer seat with retractable seat belt
- Two pilot operated levers for steering and gear shifting

## Hydraulic system

- Filtration, suction
- Heavy duty gear type pumps
- Hydraulic tank capacity..... 223 litres
- Cylinders, double acting, chrome plated stems, diameter:
  - Steer cylinders (2)..... 115 mm
  - Dump cylinders (2) ..... 140 mm
- System pressure..... 15.5 MPa

## Electrical system

- Voltage, system start & accessories ..... 24 V
- Alternator, high output ..... 140 A
- Hydraulic warning system; temperature, level
- Hella projection lights 4 x x70W
- Isolation switch lockout

## Fuel

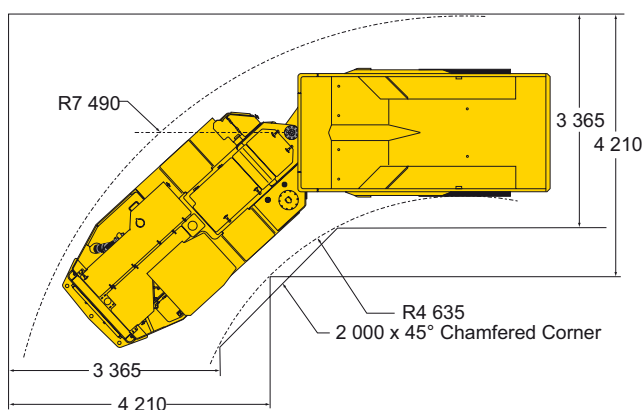
- Fuel tank capacity..... 379 litres
- Fuel consumption, full load ..... 29.4 litres/hour

## Other

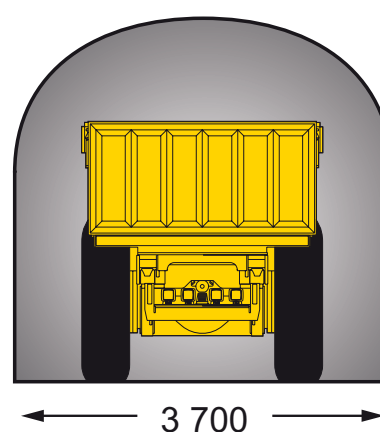
- Central manual lubrication
- Fire extinguisher ..... 2x6 kg
- Fuel gauge in panel



## Turning radius



## Recommended drift width



Rear view

- Turning angle  $\pm 42.5^\circ$
- Turning radius left and right are symmetrical
- All dimensions are shown in millimetres

## Grade performance

NB. 3% rolling resistance assumed. Actual performance may vary depending on the application

### Standard configuration, box empty

| Percent grade   | 0.0  | 2.0  | 4.0  | 6.0  | 8.3  | 10.0 | 12.5 | 14.3 | 16.0 | 18.0 | 20.0 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|
| Ratio           |      |      |      |      | 1:12 | 1:10 | 1:8  | 1:7  |      |      | 1:5  |
| 1st gear (km/h) | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.4  | 4.4  | 4.4  | 4.4  | 4.4  | 4.4  |
| 2nd gear (km/h) | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  | 7.9  | 7.9  | 7.9  | 7.9  | 7.8  | 7.8  |
| 3rd gear (km/h) | 14.1 | 14.1 | 14.0 | 13.9 | 13.8 | 13.8 | 13.7 | 13.6 | 13.5 | 13.5 | 13.1 |
| 4th gear (km/h) | 25.1 | 24.9 | 24.7 | 24.4 | 24.2 | 23.4 | 21.9 | 19.6 |      |      |      |

### Standard configuration, box loaded

| Percent grade   | 0.0  | 2.0  | 4.0  | 6.0  | 8.3  | 10.0 | 12.5 | 14.3 | 16.0 | 18.0 | 20.0 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|
| Ratio           |      |      |      |      | 1:12 | 1:10 | 1:8  | 1:7  |      |      | 1:5  |
| 1st gear (km/h) | 4.5  | 4.5  | 4.4  | 4.4  | 4.4  | 4.4  | 4.4  | 4.4  | 4.3  | 4.3  | 4.3  |
| 2nd gear (km/h) | 8.0  | 7.9  | 7.9  | 7.8  | 7.8  | 7.8  | 7.7  | 7.7  | 7.6  | 7.3  | 7.0  |
| 3rd gear (km/h) | 14.0 | 13.8 | 13.7 | 13.5 | 13.2 | 12.3 | 10.9 |      |      |      |      |
| 4th gear (km/h) | 24.7 | 24.2 | 22.4 | 17.6 |      |      |      |      |      |      |      |

## Optional equipment

### Main frame

- Optional box sizes
- Shipping covers
- Wheel chocks
- Tele dump

### Ergonomics

- Forward facing enclosed cab with wheel control steering
- Low built canopy
- Heater (not for low built)
- Air conditioner, cabin

### System

- Ansul Checkfire, autofire suppression
- Ansul single bottle fire suppression with engine shutdown
- Lincoln auto lube with timer
- Wiggins fast fuel fill
- Back up camera and monitor
- Manual hydraulic tank fill pump

### Drive train

- Neutral break apply

### Electrical system

- Tail and brake lights
- Block heater (120V or 240V)

### Controls and instruments

- Blockout 3<sup>rd</sup> and/or 4<sup>th</sup> gears
- Speedometer

### Power unit

- Epoxy coated radiator

### Documentation

- LinkOne parts book, CD
- Operator's and maintenance manual - plastized

### Parts kit

- 1 000 hour consumables

### Other

- Tool box

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04/2009