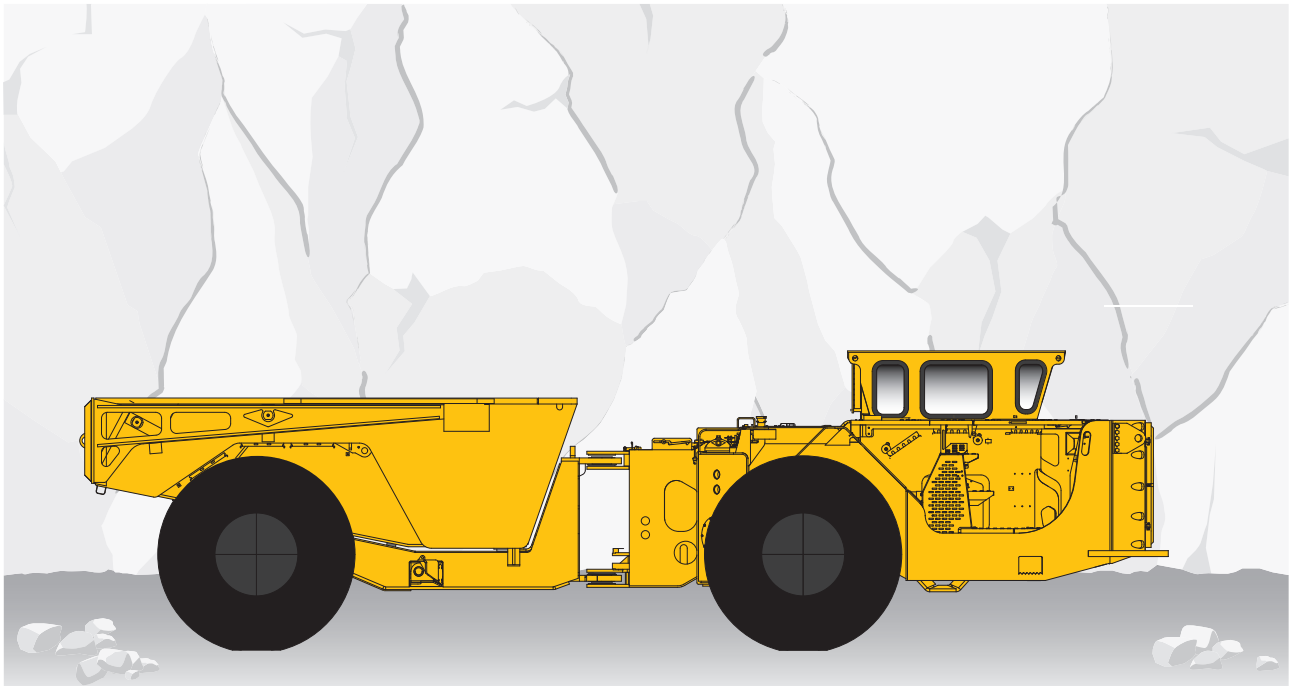


Minetruck MT2010

Technical specification



The Minetruck MT2010 is a 20 metric tonne underground truck, designed 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

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

Power frame

- A high power-to-weight ratio for high ramp haulage performance
- 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
- Central manual lubrication
- Hydraulic hoses, electric cables and hot surfaces are well routed and protected
- SAHR brake system
- CE certified

Specifications

CAPACITIES

| | | |
|----------------|----------------------------------|--------|
| kg | Tramming capacity | 20 000 |
| m ³ | Standard box volume (SAE heaped) | 9.0 |

MOTION TIMES

| | | |
|-----|---------|----|
| sec | Dumping | 15 |
|-----|---------|----|

WEIGHTS

| Standard equipped vehicle (empty weight) | | |
|--|--------------------|--------|
| kg | Approximate weight | 20 500 |
| | Front axle load | 13 800 |
| | Rear axle load | 6 700 |

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 7 ventilation rate 368 m³/min
- MSHA Part 7 particulate index 396 m³/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 Model 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*

Optional equipment

Main frame

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

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

Operator's compartment

- Side seated operator for bi-directional operation
- Canopy FOPS/ROPS approved
- Grammer seat with retractable seat belt
- Two pilot operated levers for steering and gear shifting
- External sound level according to ISO 6393 LwA 122 dB(A)
- Sound level in canopy according to ISO 6394 LpA 108 dB(A)
- Sound level in cabin according to ISO 6394 LpA 85 dB(A)
- Whole body vibration value A(8)w in range of 0.5 to 2m/s² (typical value for similar machines).

Hydraulic system

- Filtration type 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
- LED lights 8 x 40W
- Isolation switch lockout

Fuel

- Fuel tank capacity 379 litres

Other

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

Drive train

- Neutral break apply

Electrical system

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

Controls and instruments

- Blockout 3rd and/or 4th gears
- Speedometer

Power unit

- Corrosion resistant radiator

Documentation

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

Parts kit

- 1 000 hour consumables

Other

- Tool box

Grade performance

STANDARD CONFIGURATION, BOX EMPTY

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

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

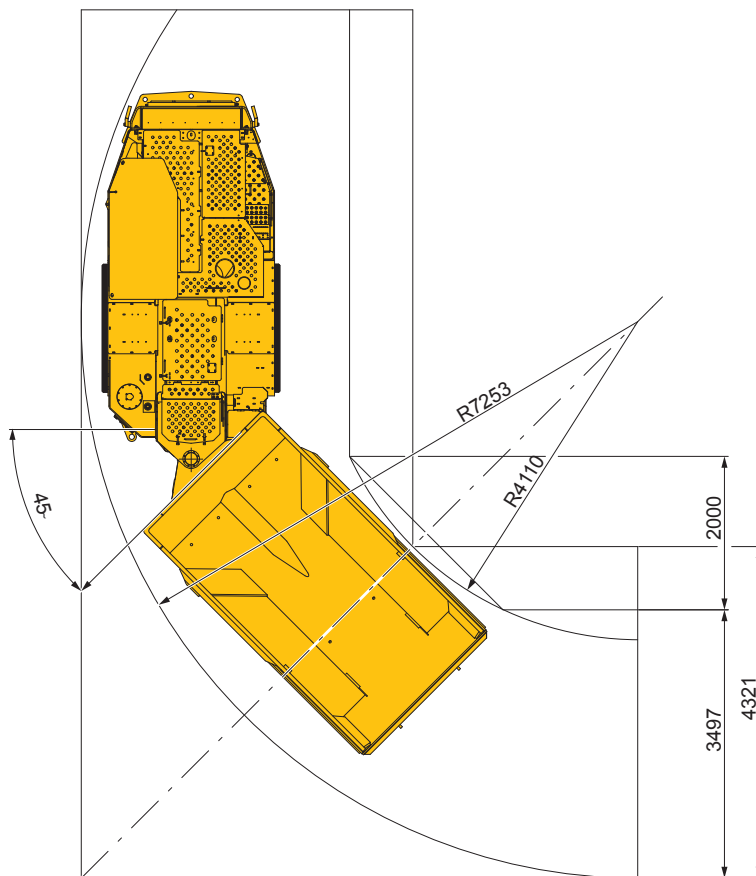
STANDARD CONFIGURATION, BOX LOADED

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

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

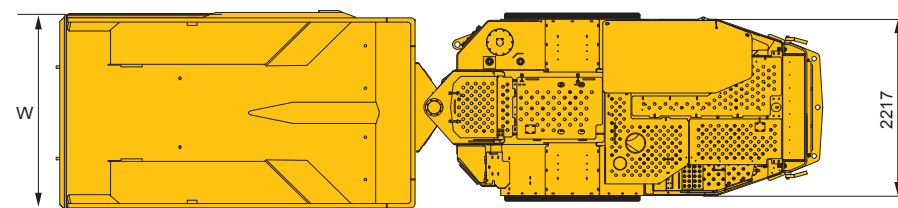
Measurements

TURNING RADIUS



» Dimensions

- All dimensions are shown in millimetres
- All dimensions shown are based on standard vehicle configuration with 27 mm tyre deflection, unloaded



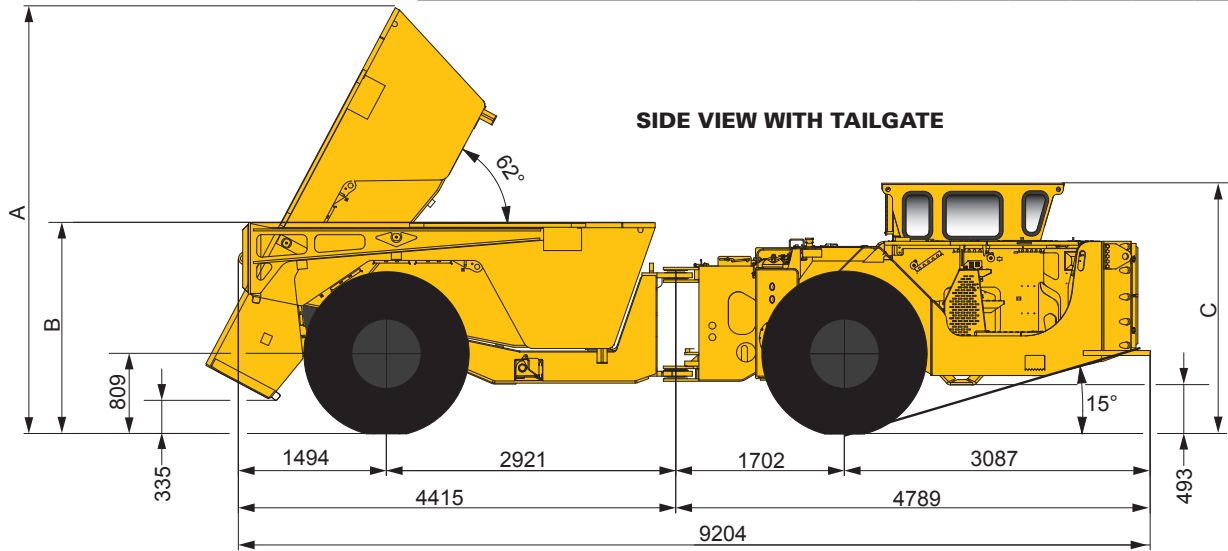
TOP VIEW BOX WITH TAILGATE

Measurements and weights

DUMP BOXES WITH TAILGATE

STD

| | | | | | |
|---|-----|-------------|-------------|------------|------------|
| Volume, SAE heaped (m3) | | 11.0 | 10.0 | 9.1 | 8.4 |
| Volume, SAE struck (m3) | | 9.2 | 8.0 | 7.1 | 6.5 |
| Maximum material density (t/m3) | | 1.8 | 2.0 | 2.2 | 2.4 |
| Width, dump box (mm) | (W) | 2 400 | 2 400 | 2 400 | 2 400 |
| Dump position: box height, max (mm) | (A) | 4 445 | 4 341 | 4 301 | 4 199 |
| Tramming position: dump box height (mm) | (B) | 2 358 | 2 230 | 2 131 | 2 059 |



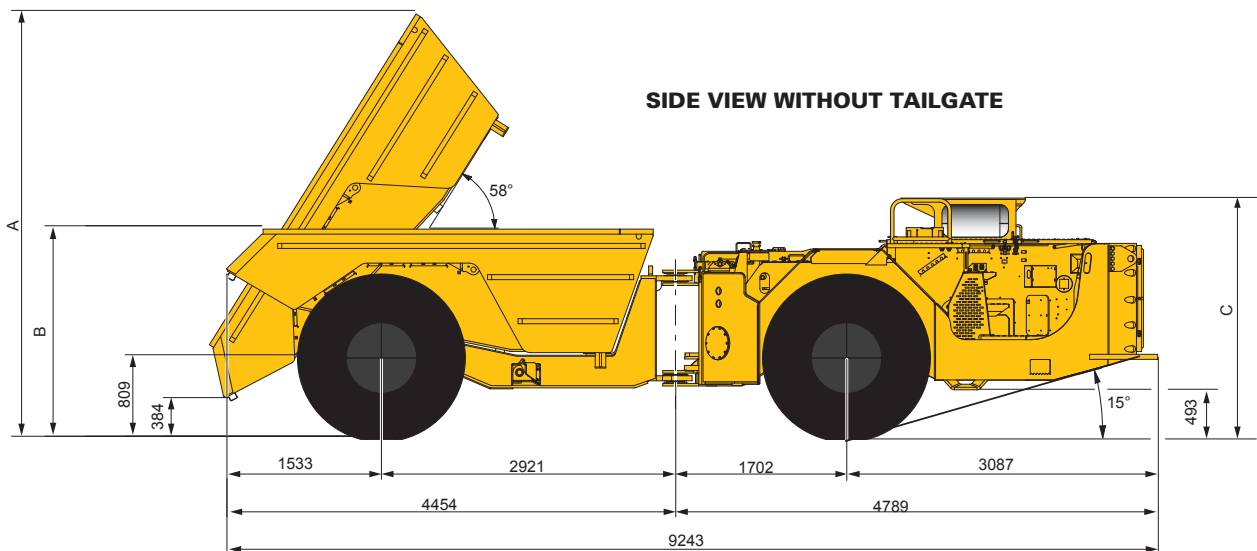
OPERATORS COMPARTMENT

| Height (mm) | C |
|--------------------|-------|
| Cabin | 2 530 |
| Canopy standard | 2 510 |
| Canopy low profile | 2 400 |

DUMP BOXES WITHOUT TAILGATE

STD

| | | | | | | | |
|---|-----|-------------|-------------|------------|------------|------------|------------|
| Volume, SAE heaped (m3) | | 11.0 | 10.0 | 9.0 | 8.4 | 7.7 | 6.7 |
| Volume, SAE struck (m3) | | 9.2 | 8.0 | 7.0 | 6.3 | 5.6 | 4.6 |
| Maximum material density (t/m3) | | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 3.0 |
| Width, dump box (mm) | (W) | 2 435 | 2 435 | 2 435 | 2 435 | 2 435 | 2 435 |
| Dump position: box height, max (mm) | (A) | 4 444 | 4 330 | 4 226 | 4 197 | 4 097 | 4 097 |
| Tramming position: dump box height (mm) | (B) | 2 351 | 2 214 | 2 089 | 2 054 | 1 934 | 1 934 |



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