

MINETRUCK® T1801XC

DIESEL

20 t

9,5m³



SAFETY



LOW MAINTENANCE COST



COMFORT



HIGH PRODUCTIVITY

HIGH CAPACITY FOR
MAXIMUM PRODUCTIVITY

 **Aramine**
NEVER STOP MINING

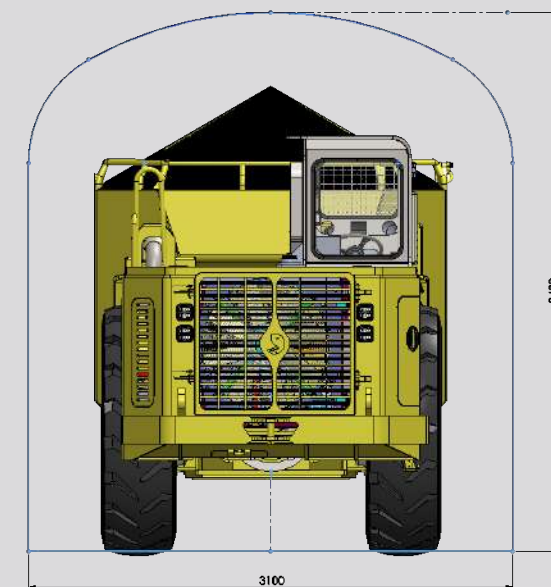
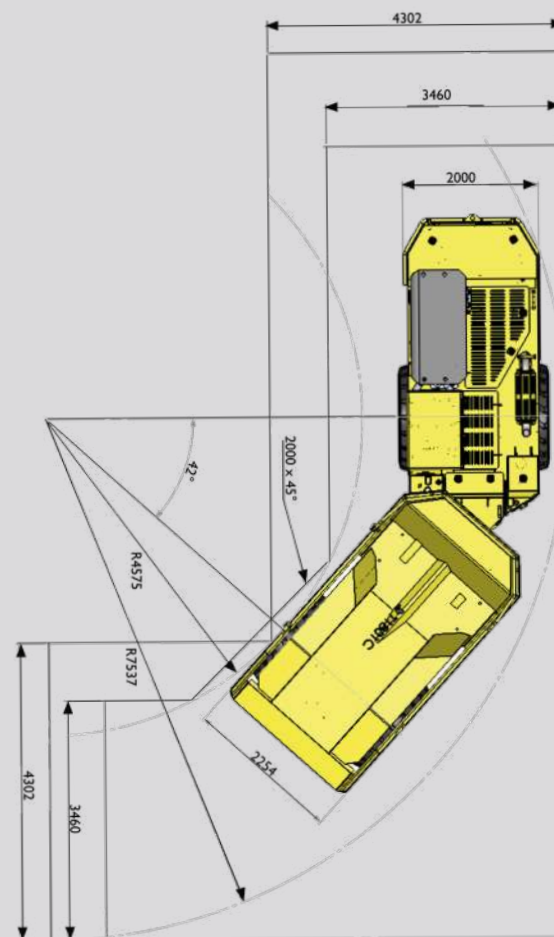
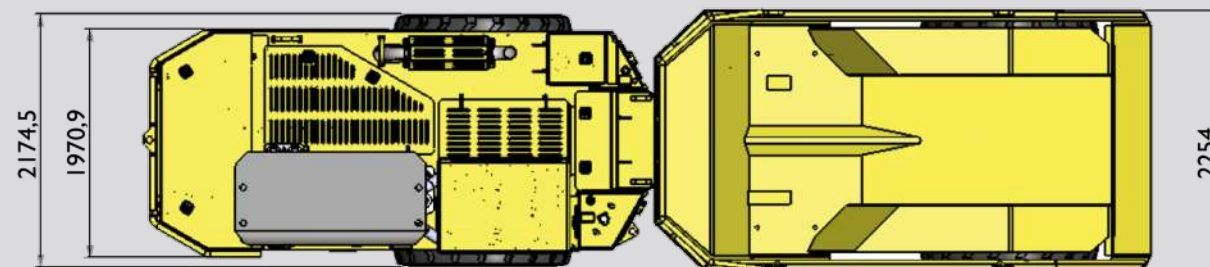
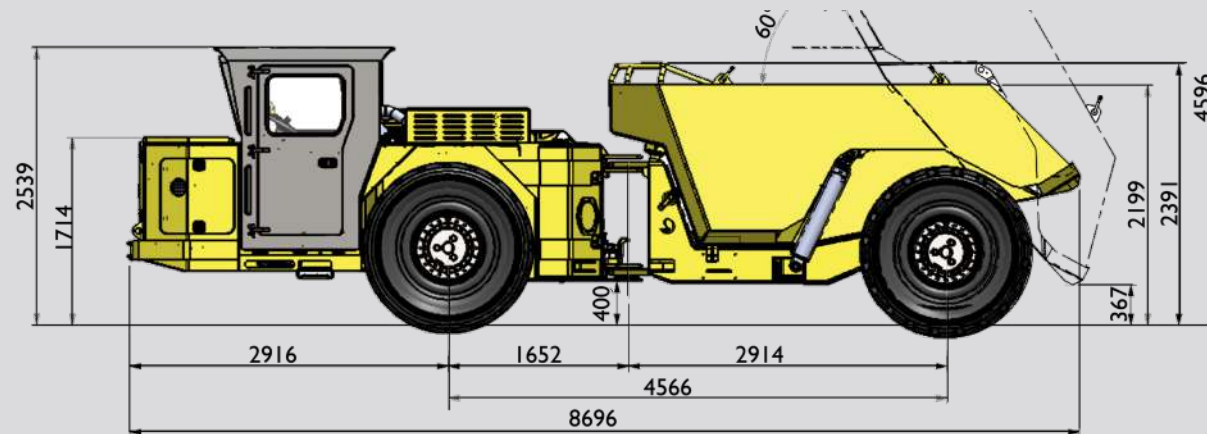
MINING TRUCK® T1801XC

DIESEL

CUMMINS
ENGINE
TIER 3

CANBUS
SYSTEM WITH DCS*
*DATA COLLECT SYSTEM

OPEN OR
ENCLOSED
CABIN



ARTICULATED LOW PROFILE DUMP TRUCK

Developed for small to medium scale underground operations, the MineTruck 1801XC is ideal for sections from 10 to 16 m³. The operator compartment is designed to offer the best comfort and ergonomics. The operator's seat faces forward and features ergonomic controls to improve working conditions.



PERFECT MATCH

Find the perfect match for your mining truck from our range of machines.



Loaders between 3 to 7 t with a dumping height of 2 meters or with an ejector bucket.
Contact our Sales department



SPECIFICATIONS

CAPACITIES

Tramming capacity	20 t
Dump box volume in dome	9,5 m ³

LOADED VEHICLE SPEED ON FLAT GROUND

Forward or Reverse with 3% rolling resistance				
Gear	1st	2nd	3rd	4th
Speed in km/h	5,5	11	18	30

DISCHARGING

Time	12 seconds
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ENGINE

Cummins tier 3 QSB6.7
 MSHA Power Rating @ 2200 rpm 190kW/260HP
 Max Torque @ 1,500 rpm 959 Nm
 Displacement 6.7L

EXHAUST SYSTEM

Catalytic purifier, exhaust silencer

TRANSMISSION

Dana R-32000 Series
 Fully Power Shift Transmission
 4 Speeds Forward, Reverse
 Gear shift with electrical control or automatic mode

TORQUE CONVERTER

Dana CL 323.1
 With automatic lock-up

AXLES

Dana 16D with standard differentials and wheel-end planetaries
 Posi-Stop brake in each wheel-end with forced cooling system

BRAKE SYSTEM

With both axle options
 Spring Applied Hydraulically Released in each wheel end
 Parking and Emergency : same as service in each wheel end, manually applied by push button
 Auto Brake Apply in case of : Hydr Press Loss, Transm Press Loss, Elect Failure

WHEEL & TIRES

16.00R24 deeplog type for mining application

HYDRAULIC SYSTEM

Cylinders Double Acting with Chrome Plated Stems
 Steering Cylinders (x2) Diameter 110mm
 Hoist Cylinders (x2) 2 Stages
 First stage Diameter 140 mm
 Second stage Diameter 95 mm
 Pumps : heavy duty gear type for steering /dump/brake
 Filtration Suction Line : 25Micron

ELECTRICAL SYSTEM

24 Volt Starting, 24 Volt Accessories
 Fully sealed electrical system with replaceable harnesses
 Canbus type System for easy monitoring, and control of each function
 LED type lights

FRAME

Strong welded power frame with independant rubber
 Mounted cabin, well protection and accessible water
 Cooled Engine and radiator cooling system

OPERATOR'S COMPARTMENT

Open cabin, forward seated operator with ergonomical controls
 Orbitrol steering wheel
 Dashboard with all controls & indicator screen
 Operator seat with suspension & safety belt
 Built-in-cab armrest for high ergonomics and a perfect operator position
 Rubber mounted open cabin

TANK CAPACITY

Fuel 220 L
 Hydraulic Oil 210 L

DUMP BOX

Strong welded Box with angled corner for better protection, smooth interior for easy material unloading
 Rear tailgate type to avoid material spilling during tramming
 Optional rear mechanical tail gate to increase capacity and avoid material spillage on grade
 Optional telescopic DumpBox for unloading on low back height or backfilling application

OPTIONS

Stage V – Tier4 final engine VOLVO model TAD583VE
 MSHA Approval
 Power Rating 175 kW / 238 HP @ 2,200 rpm
 Max Torque 975 N.m @ 1,380 rpm
 Liquid cooled
 DPF / SCR aftertreatment system
 Engine displacement 5.1 L
 Fire suppression system ANSUL
 Auto Lube system
 Enclosed pressurized cabin with AirCooled and Heater
 Cement mixer drum (5 to 8 m³)
 DumpBox without front balcony for limited dumping height
 DumpBox with automatic tailgate
 Fully enclosed Low Profile cabin with sound suppression, pressurisation, air cooled, heater, wind shield washer and wipers

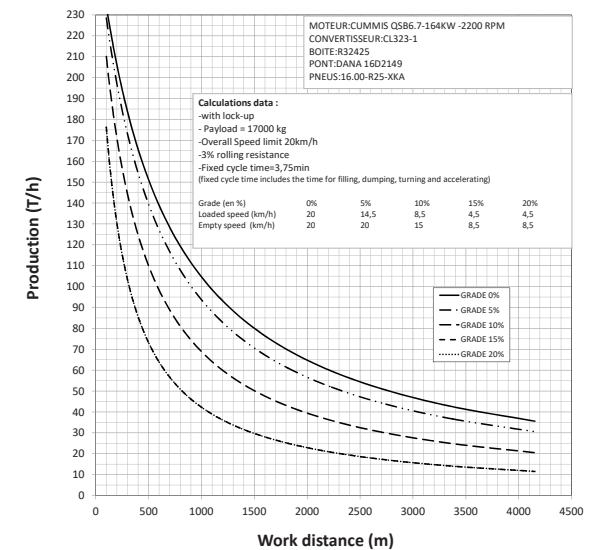
PERFORMANCES

Grade performance

	Percent grade		0		2		4		6		10		12,5		14,3		16		18	
	Ratio																			
EMPTY	1st gear (kph)		5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5
	2nd gear (kph)		11,0	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	10,5	9,5
	3rd gear (kph)		18,0	18,0	18,0	18,0	18,0	17,0	15,0	12,0										
	4th gear (kph)		30,0	30,0	29,0	23,5														
LOADED	Percent grade		0		2		4		6		10		12,5		14,3		16		18	
	Ratio																			
	1st gear (kph)		5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5
	2nd gear (kph)		11,0	10,5	10,5	9,5	9,0	8,0												
3rd gear (kph)		18,0	18,0	17,0	12,0															
4th gear (kph)		30,0	23,0																	

With 95% load and 3% rolling resistance

T1801XC Productivity curve



NEVER STOP MINING



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