

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



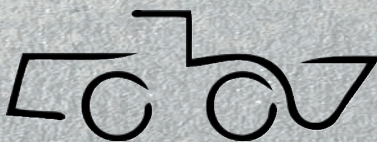
ARTICULATED LOW PROFILE DUMP TRUCK

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.



3 to 7

TON

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. I
With automatic lock-up

AXLES

Dana I6D with standard differentials and wheel-end planetaries
Posi-Stop brake in each wheel-end with forced cooling system

BRAKE SYSTEM

<i>With both axle options</i>
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

I6.00R24 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 m ³)
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

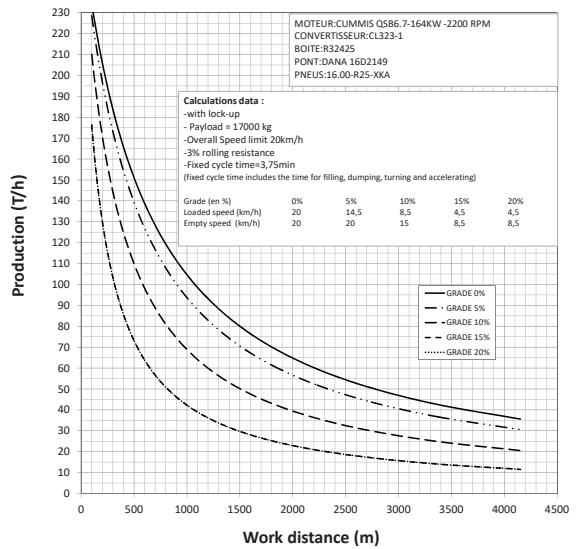
Grade performance

EMPTY	Percent grade	0	2	4	6	10	12,5	14,3	16	18
	Ratio					1:10	1:8	1:7		
1st gear (kph)	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	9,5
3rd gear (kph)	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					1:10	1:8	1:7		
1st gear (kph)	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

T180IXC Productivity curve



NEVER STOP MINING



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