

2011 Atlas Copco MT6020 Underground Truck UT011



Make	Atlas Copco		Model	MT6020		
Year	2011	Hours	11074		As at	01/12/2019
Mileage				km	As at	
Serial/VIN	AVO11X101			Engine Serial		
Details	2011 Atlas Copco MT6020 Truck Asset no UT011. Offered for sale via online auction ex Site Nifty Copper Mine via Telfer Western Australia, running to drive on to buyers transport. See Google Maps link: https://goo.gl/maps/Xvaa3uBAFso9MP7A8					
Asking price	AUD	Under review - call for pricing				
Ex site	Australia, Western Australia, Telfer					

Service history	
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**For further details, to make an offer or book an inspection, contact
Global Equipment Solutions on Office: 08 9201 1142**





OPERATORS PRE-START CHECKLIST

SITE: _____

REPORT ALL INCIDENTS AND UNSAFE CONDITIONS **BE SAFE**

NOT SAFE **TRUCK SAFE** **BE SAFE**

A PRESTART CHECKLIST MUST

BE COMPLETED AT THE BEGINNING OF EVERY SHIFT IN ORDER OPERATING WHEN PROCEEDING STARTING THE SHIFT

REMEMBER Use these and report to your supervisor and addressing machine:

- Never drink and drive or work on an impaired basis.
- Never drink and operate any equipment.
- Report all damage to your supervisor, and
- Report to the authority for your employer, and
- Make repairs and replace parts your have been trained and allowed as competent to do so.

Plant No: _____ Hour Meter: 11128

CHECK	CATEGORY A FAULTS		DESCRIPTION OF FAULT (operator to describe)	REPORTED DATE / INITIAL
	SATISFACTORY	NO		
Oil level	<input type="checkbox"/>	<input type="checkbox"/>		
Water level	<input type="checkbox"/>	<input type="checkbox"/>		
Windshield wipers	<input type="checkbox"/>	<input type="checkbox"/>		
Seat belts	<input type="checkbox"/>	<input type="checkbox"/>		
Brake lights	<input type="checkbox"/>	<input type="checkbox"/>		
Emergency brake (EBS)	<input type="checkbox"/>	<input type="checkbox"/>		
Engine oil level	<input type="checkbox"/>	<input type="checkbox"/>		
Hydraulic fluid level	<input type="checkbox"/>	<input type="checkbox"/>		
Working fluid (engine, water)	<input type="checkbox"/>	<input type="checkbox"/>		
Warning horn, lights	<input type="checkbox"/>	<input type="checkbox"/>		
Seat	<input type="checkbox"/>	<input type="checkbox"/>		

If any of the following checks identify faults, then these faults have to be reported to your supervisor and repaired, or replaced, before the machine can be put to work.

CHECK	CATEGORY B FAULTS			DESCRIPTION OF FAULT (operator to describe)	REPORTED DATE / INITIAL
	SATISFACTORY	NO	N/A		
Fluid, oil and water levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Fluid, oil and water levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Tires (valves, TREAD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
SAFETY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Check gauges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Mirrors and vision	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Windshield wipers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Door catches working	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Thru and rollers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Hand rails and steps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Hardware for damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Psychical monitoring system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Air conditioner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Water Cabs / Fire Units Only					
Water Pump	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Water Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Water Hose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

CATEGORY C FAULTS (other)

DESCRIPTION OF FAULT (operator to describe)	REPORTED DATE / INITIAL







2.1.17 UT011 UG HAUL ATLAS MT6020

- Off-site re-build 3/11/2016 - 21509 hours
- Mid-life 9312 hours
- Table 1 includes all-time SMU and outstanding work orders
- Table 2 includes current component life.

Table 1. All-time SMU and outstanding work orders

Asset Number	Model	Serial Number	Current SMU reading (hrs)	All-time SMU
UT011	MT6020	AVO-11X101	11074	32583
Work Order	Description	Start Date	Status	Key/Section
4172512	SERVICE TYPE [D] - 1000 HOUR SERVICE	25-Nov-19	I	SERVICE

Table 2. Current Component life

COMPONENT	Frequency	LAST CHANGE	HOURS TO GO
ENGINE	12000	21002	419
ENGINE MIDLIFE	6000	21002	-5581
UPBOX	8000	30778	6195
TRANSMISSION	8000	28409	3826
TRANSMISSION COOLER	6000	25088	-1495
DROPBOX	8000	28409	3826
R/H SUSPENSION CYL	6000	29479	2896
L/H SUSPENSION CYL	6000	30787	4204
RADIATOR CORE	16000	25088	8505
HYDRAULIC COOLER	6000	25088	-1495
FRONT DIFF	16000	21509	4926
FINAL DRIVE FRONT R/H	16000	21509	4926
FINAL DRIVE FRONT L/H	16000	21509	4926
REAR DIFF	16000	22156	5573
FINAL DRIVE REAR R/H	16000	22156	5573
FINAL DRIVE REAR L/H	16000	22156	5573
A-FRAME	6000	21509	-5074

2.1.18 UT011 SUMMARY

Run to end of life. VMS fitted.

Specifications

Capacities		Motion times	
SAE regulations		Dump box	
Tramming capacity	60 000 kg	Dumping	15 seconds

Engine

- Cummins.....QSK19-C760, Tier 1/Stage I A
- Power Rating at 2100 rpm..... 567 kW/760 hp
- Maximum torque at 1300 rpm.....3 084 Nm
- MSHA Part 7 ventilation rate TBA
- Ventilation particulate index TBA
- Rock Tough purifier and silencer.
- Dry type air cleaner.
- Exhaust heat protection.
- Remote engine oil drain.
- Cooling package with flat, round, mechanical radiator.

Transmission and converter

- Planetary, automatic 6 speeds forward/2 speeds reverse with integral single stage converter with automatic lock up.
- Allison.....M6610AR
- Up box: Power transmitted through a 1:1 gear ratio box.
- Drop box: Power transmitted through a 1:1 gear ratio box.

Axles

- Kessler 111
- Conventional front and rear differential.
- Front-axle oscillating suspension "A" frame with hydraulic suspension cylinders and accumulator cushioning.
- All wheel drive.

Brakes

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



The MT6020 is standard equipped with a rear vision camera. A small detail, but definitely worth viewing - is the standard equipped camera for improved operator's visibility.

Tyres

- Tubeless, steel radial, lug tread design for underground mine service.
- Dimensions 35/65, R33*
- * As applications and conditions vary, Atlas Copco recommends that the user consults with tyre suppliers to obtain the optimum tyre selection.

Suspension

- The suspension is a gas-hydraulic system for improved operator comfort and vehicle handling while minimizing frame stress.
- Suspension, max:105 mm
 - Individual self leveling suspension.

Operator's compartment

- Forward facing seat.
- Cabin; MSHA-ISO ROPS/FOPS approved.
- Grammer seat with retractable seat belts.
- Airconditioner.
- Trainer seat.
- Back up video monitor.

Hydraulic system

- System pressure 20.7 MPa
- Hydraulic tank capacity 238 litres
- Filtration, return line 4.0 µm
- Heavy duty gear type pumps.
- Cylinders diameter:
 - Steer cylinders (2) 160 mm
 - Dump cylinders (2) 177.8 mm
 - Suspension cylinders (2) 125 mm

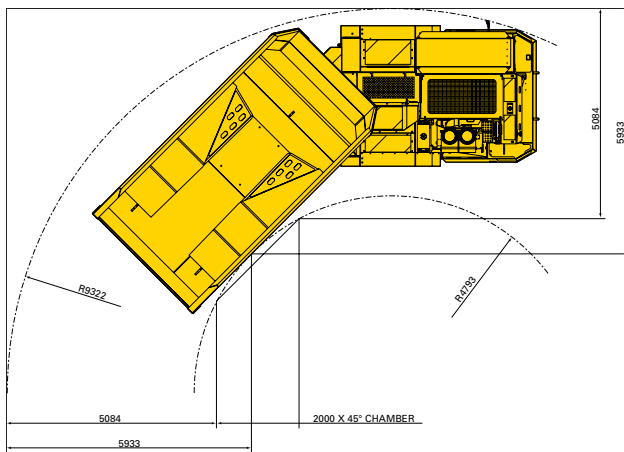
Electrical system

- Voltage, system start & accessories 24 V
- Alternator, high output 100 A
- Hydraulic warning system; temperature, hyd. oil level.
- Rock Tough projection lights.
- Isolation switch lockout.

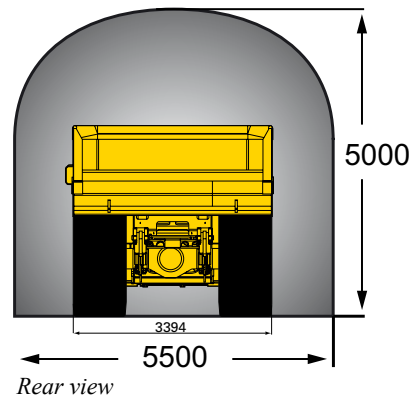
Fuel

- Fuel tank capacity 644 litres
- Fuel consumption, full load 67 litres/hour
- Fuel filtration 10 µm
- Anti-siphon fuel supply.

Turning radius



Recommended drift size



- Turning angle +/-42.5°.
- Dimensions shown are based on standard vehicle configuration with 27 mm tyre deflection.
- 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	8.0	10.0	12.0	14.0	16.0	18.0	20.0
Ratio					1:12	1:10	1:8	1:7			1:5
1st gear (km/h)	6.4	6.4	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2nd gear (km/h)	9.5	9.5	9.4	9.4	9.4	9.4	9.3	9.3	9.3	9.3	9.2
3rd gear (km/h)	12.6	12.6	12.5	12.5	12.4	12.4	12.4	12.3	12.3	12.2	12.2
4th gear (km/h)	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.5	17.1
5th gear (km/h)	25.2	25.1	24.9	24.7	24.5	24.3	24.2	23.2	21.2		
6th gear (km/h)	37.5	37.1	36.7	36.3	35.6	30.9					

Standard configuration, box loaded

Percent grade	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
Ratio					1:12	1:10	1:8	1:7			1:5
1st gear (km/h)	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0
2nd gear (km/h)	9.4	9.3	9.3	9.2	9.2	9.1	9.0	9.0	8.3	7.3	
3rd gear (km/h)	12.5	12.4	12.3	12.2	12.1	11.9	10.6				
4th gear (km/h)	18.1	17.9	17.6	17.2	13.5						
5th gear (km/h)	24.8	24.3	22.5								
6th gear (km/h)	36.5	31.7									

Optional equipment

Main frame

- Wheel chocks and chock brackets.
- Tele dump

Ergonomic

- KAB 555 seat W/retractable seatbelts.
- Heater

System

- Ansul dual bottle fire suppression with Engine kill.
- Electric hydraulic tank fill pump.
- Dual fuel filter.

- Lincoln auto lube with timer.
- Wiggins fast fuel-, transmission-, hydraulic- oil fill.

Electrical system

- Amber strobe light - power on.
- Load lights.
- Side light opposite operator.
- Tail and brake lights.
- Turn signals, front and rear.
- 24/12 V power converter.
- Loading camera.
- Battery heater, 120 V.
- Block heater, 120 V.
- Hydraulic oil heater, 120 V.

- Engine oil heater, 120 V.

- Diesel Filter with heater and water separation (7 micron).
- Fire extinguisher (20 LB)

Drive train

- Neutral brake apply.

Controls and instruments

- Blockout 5th and/or 6th gears.
- Emergency steering- accumulator type.
- Extended data gauge package.

Power unit

- Epoxy coated radiator.

Documentation

- LinkOne parts catalogue, CD.
- Parts and service manual - plasticised.

Parts kit

- 1 000 hour consumables.

Other

- Tool box.

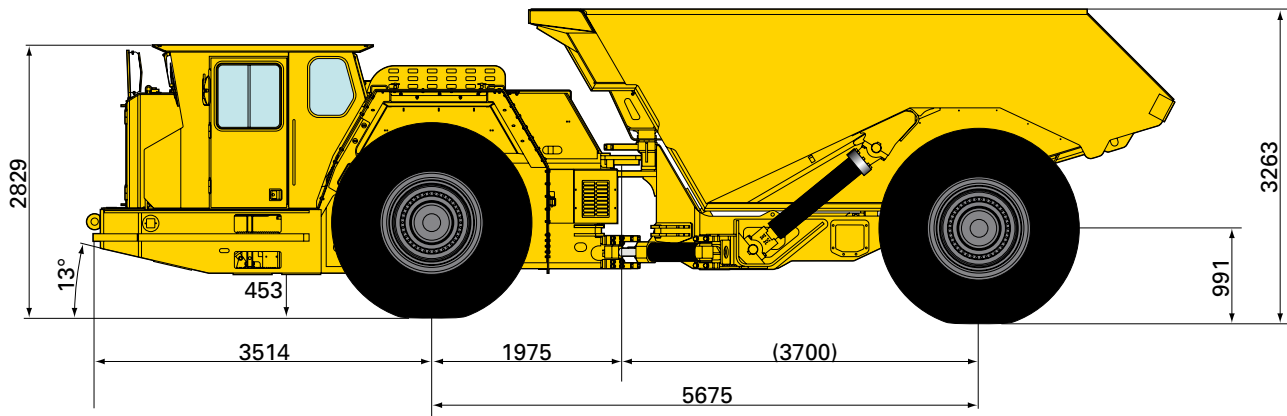
Dump boxes

Dump box data		STD			
Material density (t/m ³)	1.8	2.0	2.2	2.4	
Volume, SEA struck (m ³)	30.4	26.6	24.1	21.7	
Volume, Semi-heaped (m ³)	33.3	29.7	27.3	25.0	
Volume, SAE heaped (m ³)	36.3	32.8	33.4	28.2	
Width, dump box (mm)	W	3 440	3440	3440	3440
Dump position: Box height, max (mm)	H1	6909	6842	6750	6689
Tramming position: Dump box height (mm)	H2	3462	3263	3122	2993
Dump position: Clearance (mm)	C	471	471	471	471

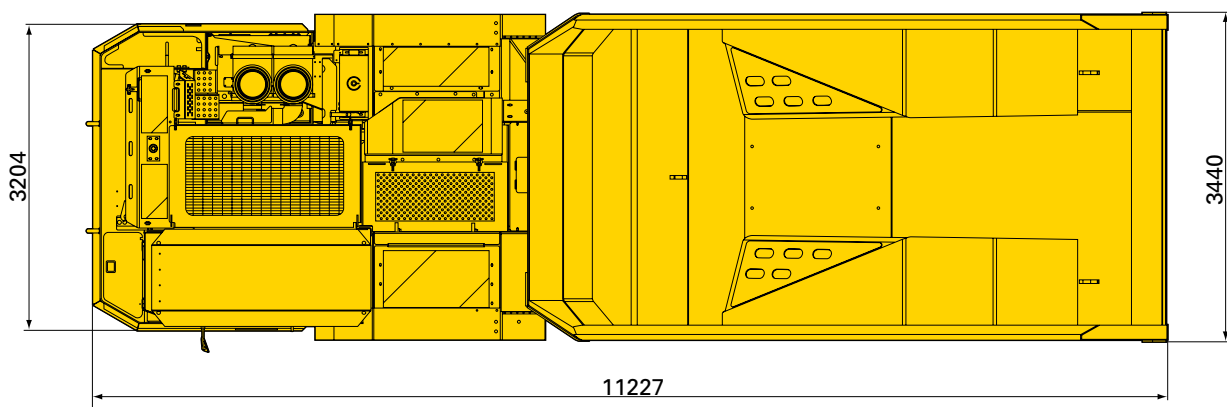
Dimensions and weights

Approximate net weight.....	43 900 kg
Axle load, front end.....	29 700 kg
Axle load, back end.....	14 200 kg

Standard equipped vehicle with empty box.



Side view



Top view

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