

MINI LOADER L150D L150E

DIESEL OR ELECTRIC

1,4 t

0,7m³



HIGH
PRODUCTIVITY



LOW
MAINTENANCE
COST



COMFORT



SAFETY

MAXIMISED PRODUCTIVITY
MINIMISED DILUTION

 **Aramine**
NEVER STOP MINING

MINILOADER L150D

DIESEL



PROVEN
COMPONENTS



MODERN

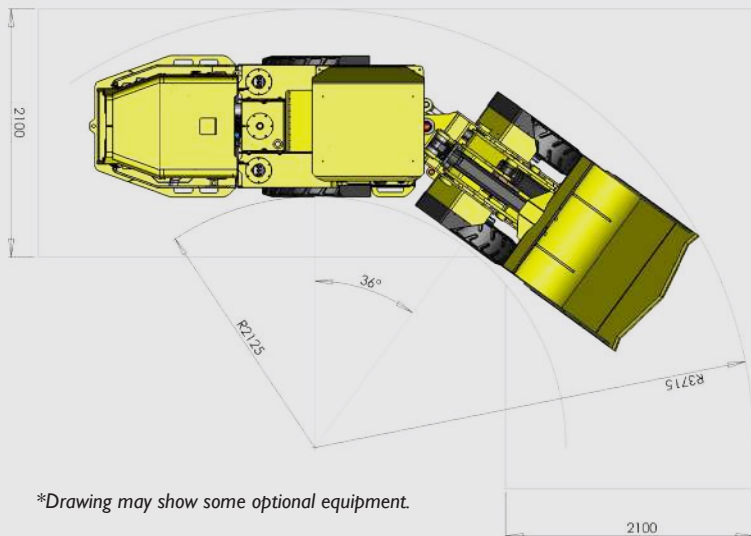
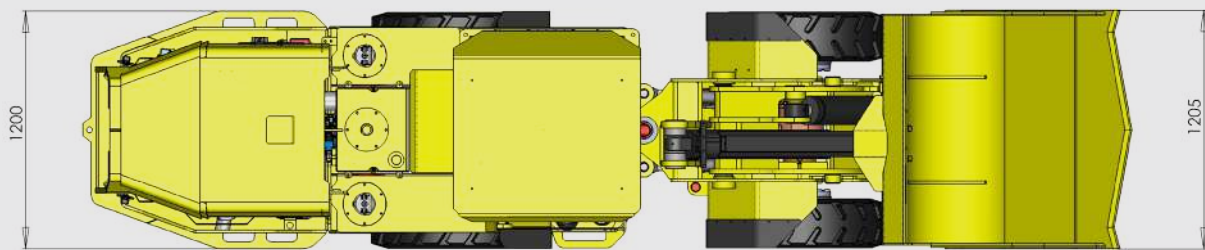
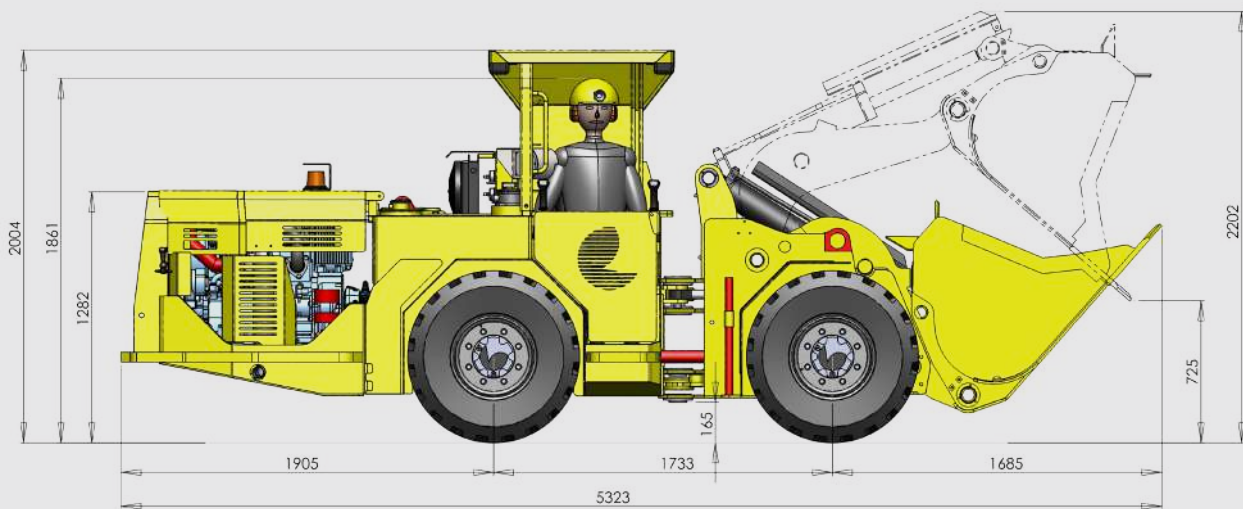


MARKET STANDARD
IN ITS RANGE

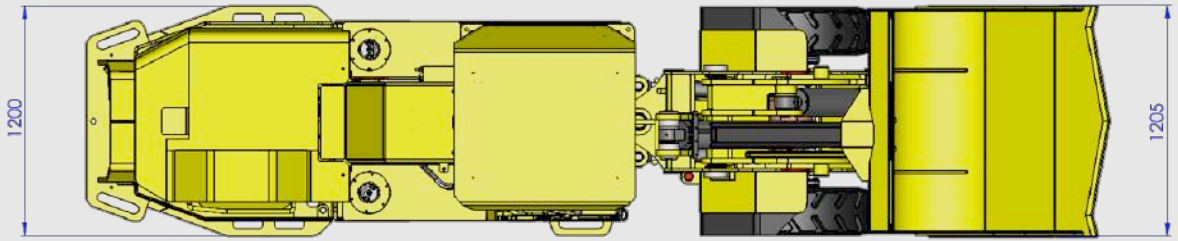
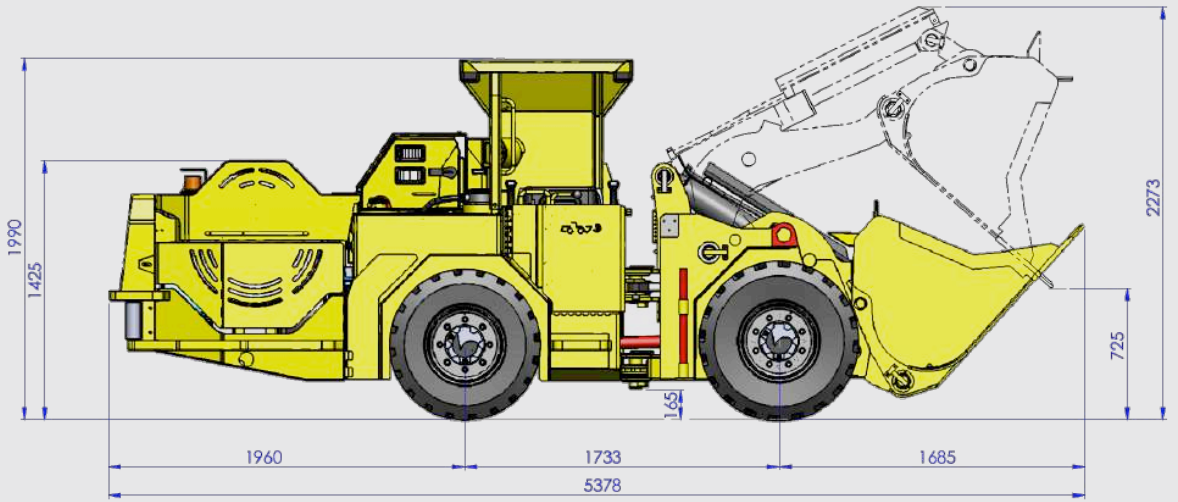


DIESEL MINILOADER

The L150D miniLoader is specially designed for underground mining in narrow sections and narrow vein mines. With a width of 1.205 to 1.290 m and a tramming capacity of 1.4 tonnes, the L150 is ideal for increasing productivity without having to increase the cross-section of your galleries.



**Drawing may show some optional equipment.*



Typical use of Aramine electric loader



COMMON SPECIFICATIONS

CAPACITIES

Tramming capacity	1 400 kg		
Static tipping load	3 150 kg		
Breakout force, tilt (SAE)	40 kN		
Breakout force, lift (SAE)	34 kN		
Tractive effort	32 kN		
Empty weight	4 800 kg		
Empty	Front 1 400 kg / Rear 3 400 kg		
Loaded	Front 3 400 kg / Rear 2 800 kg		
Standard bucket volume	0,7 m ³		
Density (t/m ³)	1,7	2,0	2,3
Volume (m ³)*	1	0,9	0,8
Volume (Yd ³)*	1,3	1,2	1,05
Width (mm)	1290	1205	1205

* Heaped SAE

TIRES

MICHELIN: 8,25 R15 Xmine D2
Mounted on demountable rims

TRANSMISSION

Hydrostatic Transmission fully reversible
Pump: variable displacement 71 cm³ @ 400 Bars
Motor: fixed displacement 56 cm³

OSCILLATION

Rear axle mounted on oscillation frame with 12° articulation
(6 degrees in each side)

OPERATOR'S COMPARTMENT

Side seated operator, for better visibility in both directions
Seat with suspension, armrests and safety belt
Ergonomically located Steer & Bucket pilot joystick
ROPS/FOPS certified bolted Canopy with back protection
Entry door with bucket & steering interlock

BRAKES

Service: hydrostatic brake with pedal control and spring applied multi-disc assistance
Parking & Emergency: LCB multi-discs brake, spring applied hydraulic release, mounted in rear axle
Manual and/or automatic actuation in case of energy loss (hydraulic, electric, engine) and when operator is out of seat

SPEED

Vehicle speed loaded	0 to 9 km/h	
Boom speed	Raising 3,8s / Lowering 3 s	
Bucket speed	Roll Back 4,4 s / Dumping 5,7 s	

TANK CAPACITY

Hydraulic	80 L (welded to frame)
Hydrostatic	70 L (welded to frame)
Tank with access cover (easy cleaning)	

HYDRAULIC SYSTEM

Suction strainer	100 microns
Return & suction filter	25µ Cartridge
Fluid	Class 68
Hydraulic gear pump	
Hydraulic pilot steering & bucket controls	
Hydraulic cylinders, double acting type: One (1) for Stab One (1) for Hoist Two (2) for Steering	

FRONT AND REAR AXLES

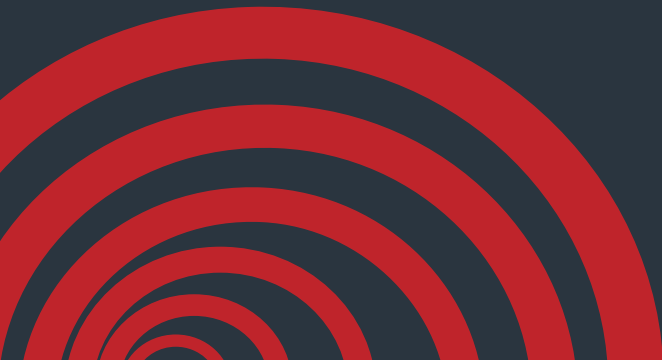
Front & Rear axles, Aramine A5107 Series
Front: rigid axle with wheel end planetary and Nospin® differential lock type
Rear: oscillating mounted axle with wheel end planetary and standard differential
Dropbox mounted on rear axle

STANDARD EQUIPMENTS

Certified ROPS/FOPS Canopy over operator
Hydrostatic transmission
Pilot operated steering joystick (left)
Pilot operated steering joystick (right) with Fwd, Neut & Rev integrated buttons
Seat with armrest and safety belt
Dash Board with Default Indic Gage, Front & Rear lights and Horn switch. Engine Stop/Start keyed switch
Manual centralized lube system
BackUp Audio Alarm
Replaceable inserts to central hinge, bucket and boom articulations
Dump cylinder protection
Safety central hinge locking device
Safety dump box locking device
Brake test system
Safety joystick interlock
Michelin 8,5R15 X-Mine D2

OPTIONS

Automatic lube system
Extinguisher
Fire suppression system (powder)
Radio remote control system
Entry door with bucket & steering interlock
EOD Bucket
Gear basket "Fit in" bucket
Cylinders pilot check valves



SPECIFIC TO L150D

DIESEL

ENGINE & ENERGY

Choice between 2 Deutz engines

Model D914L04 - CE: I113A & MSHA certified 53kW

Model BF4L914 - High Altitude 53kW @ 4000m ASL

Exhaust: Catalytic purifier and Silencer

Fuel Tank 50L (bolted)

ELECTRIC SYSTEM

Sealed electrical system with replaceable harness

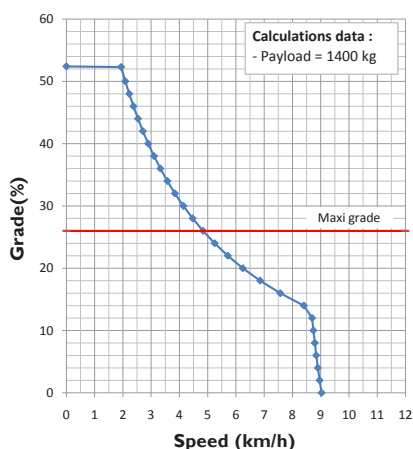
Battery: 12V 105 Ah

Starter & accessories: 12V

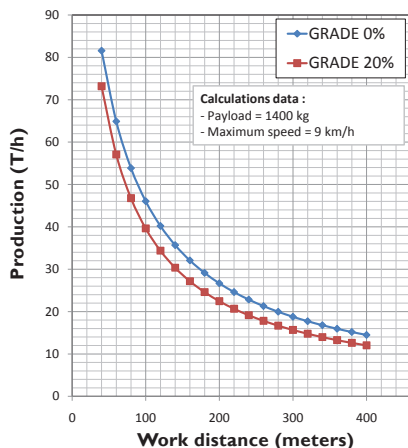
2 front & 2 rear LED lights: 12V 17W

Alternator: 95A

SPEED ON GRADE



PRODUCTION in T/h



*One way. For longer distance, contact our sales department.

SPECIFIC TO L150E

ELECTRIC

SPEED

Vehicle speed loaded 0 to 7 km/h with 60Hz
0 to 6 km/h with 50Hz

Boom speed Raising 4,5s-3,7s / Lowering 3,5s/2,9 s

Bucket speed Roll Back 5,2s-4,3s / Dumping 6,8s-5,6s

ENGINE & ENERGY

Motor:

Three-phase asynchronous - Squirrel Cage IP55 Degree of protection
Power, frequency and speed

37kW power @ 50Hz - 1500 rpm

43 kW power @ 60Hz - 1800 rpm

System: Electrical system compatible with 380V-50Hz and 440V-60Hz

ELECTRIC SYSTEM

Sealed electrical system with replaceable harness

2 front & 2 rear lights: 24V - H3 - 70W

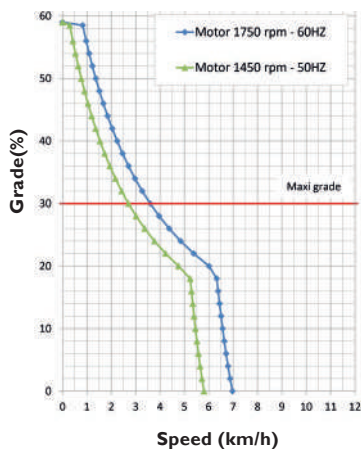
CABLE & CABLE REEL

Hydraulic driven with self tension cable reel

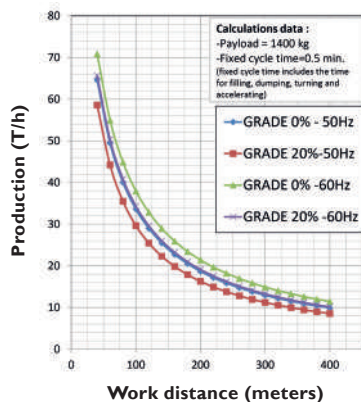
Heavy duty cable guiding for underground mining application

Capacity: 80m of cable 4 x 16mm² (800mm diam cable reel)

SPEED ON GRADE



PRODUCTION in T/h



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