

# EXTRA CAP MINI LOADER L150XD L150XE

DIESEL OR ELECTRIC

CAPACITY : 1,6T



EXTRA  
CAPACITY



LOW  
MAINTENANCE  
COST



COMFORT



SAFETY

MAXIMISED PRODUCTIVITY  
MINIMISED DILUTION

 **Aramine**  
NEVER STOP MINING

# MINILOADER L150XD

**DIESEL**



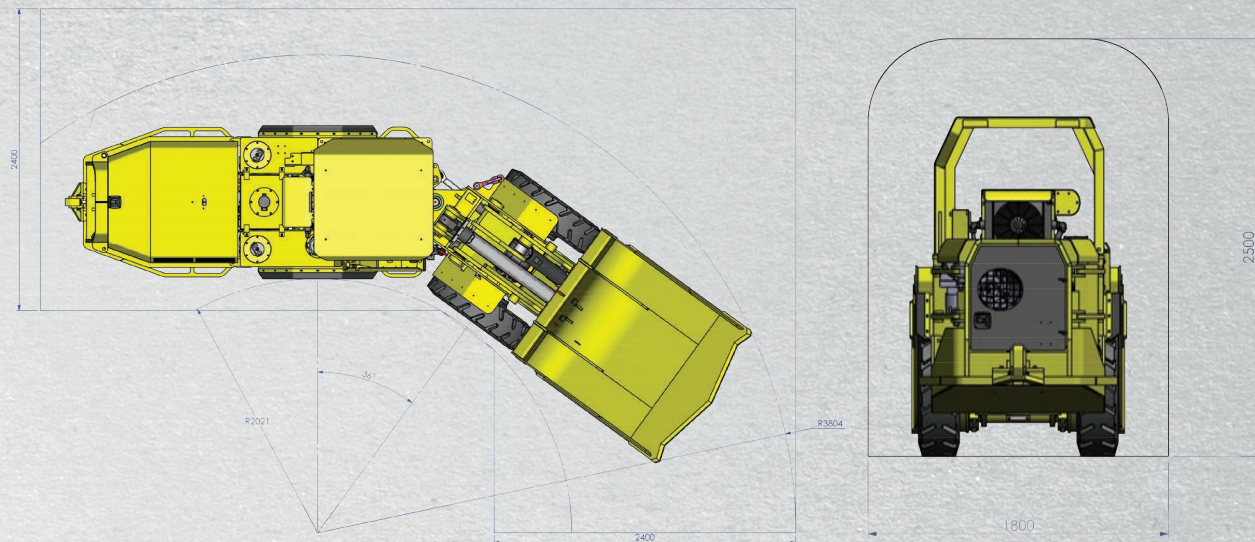
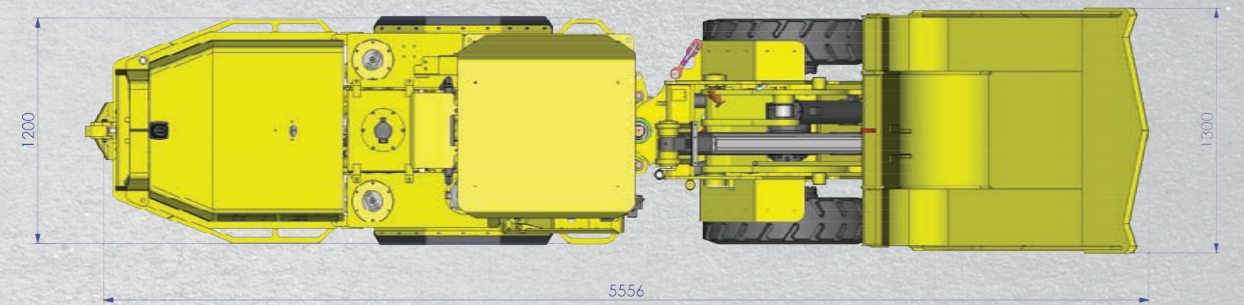
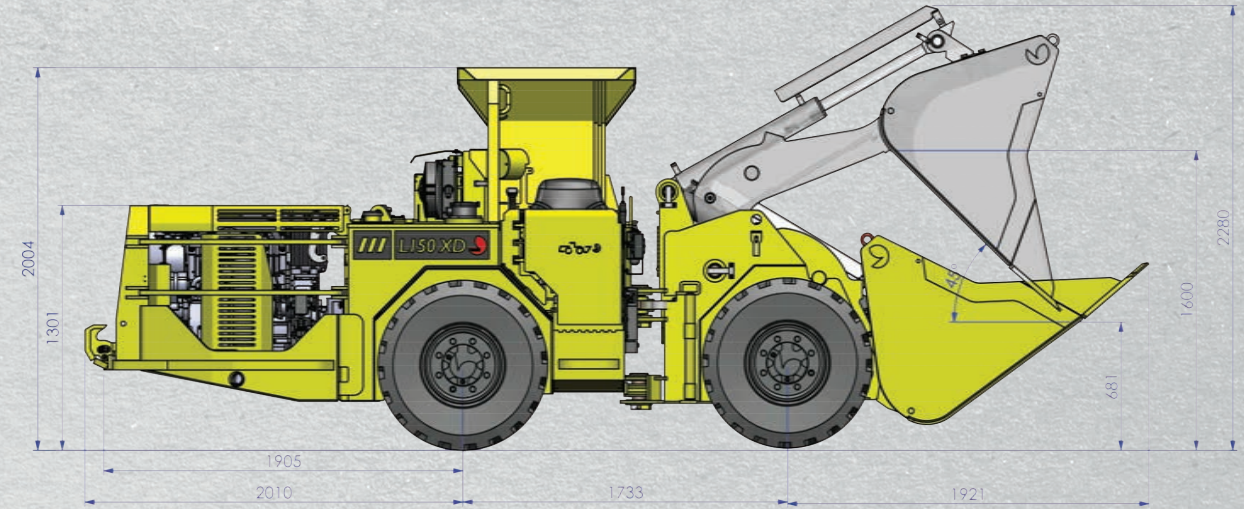
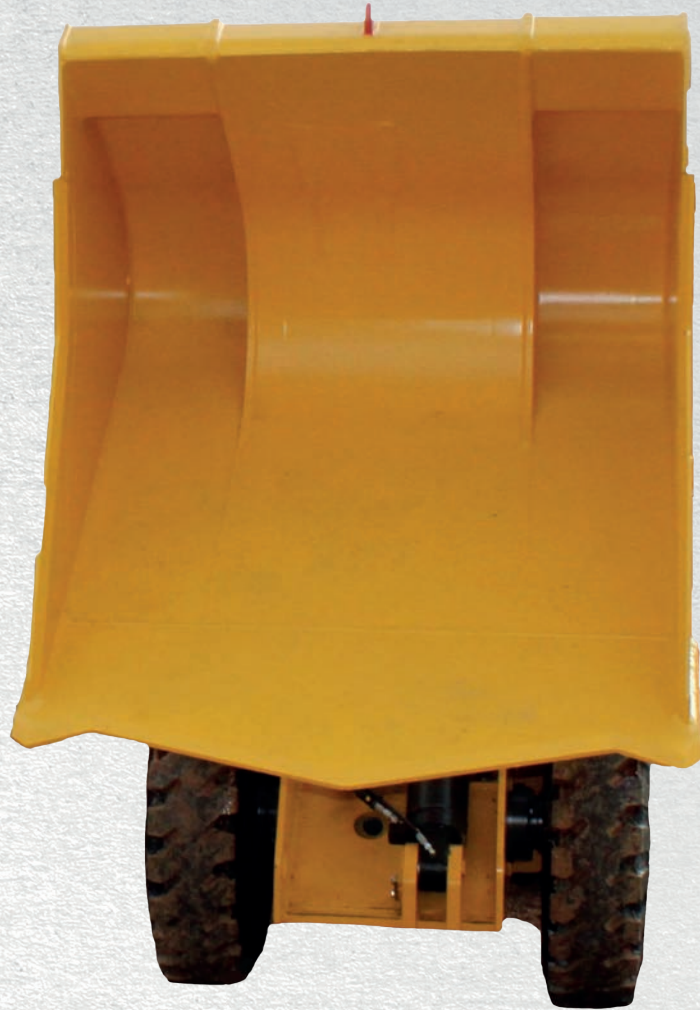
PROVEN  
COMPONENTS



MODERN



MARKET STANDARD  
IN ITS RANGE



## EXTRA CAPACITY DIESEL LOADER

As our machines always have been, the miniloader® L150XD is designed for the highest certifications to offer comfort and reliability to our customers. This extra capacity will allow an increased productivity in narrow vein mining while maintaining low maintenance costs.

*\*Drawing shown with optional «Brake Release Tow Hook»*

# MINILOADER L150XE

**ELECTRIC**

0%  
CO<sub>2</sub>

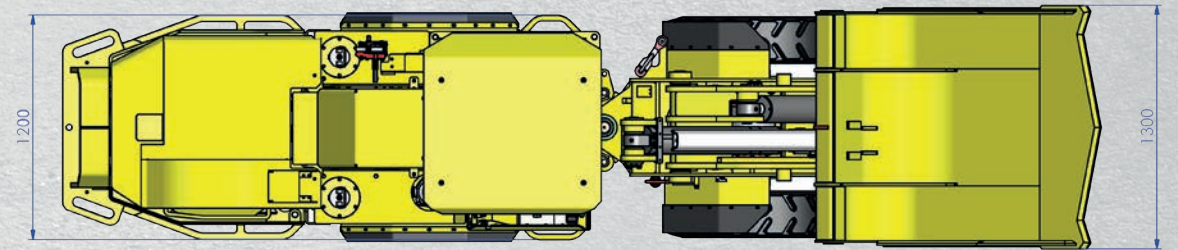
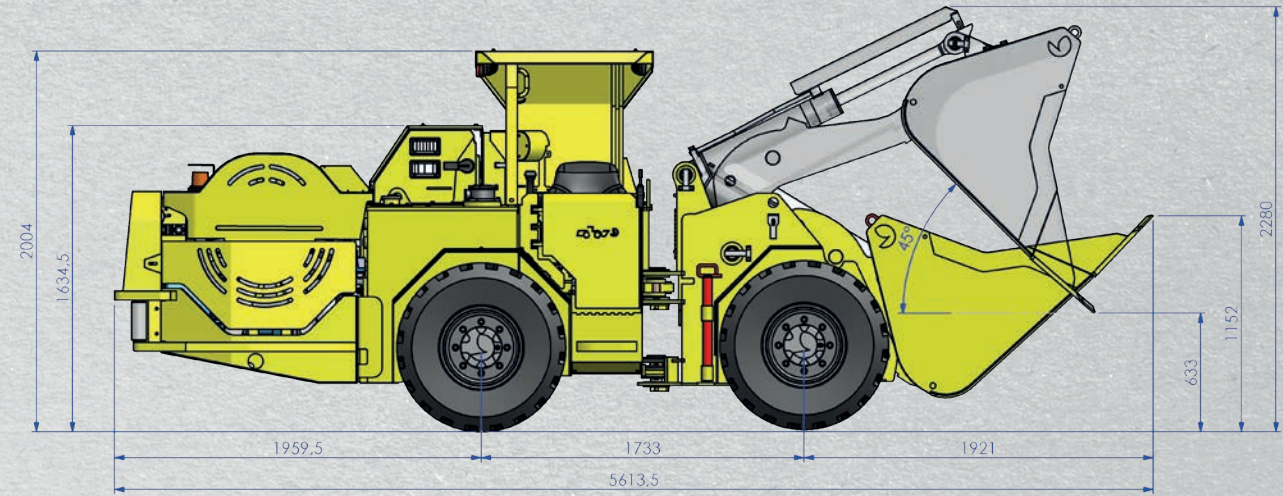
EMISSION



LOW NOISE



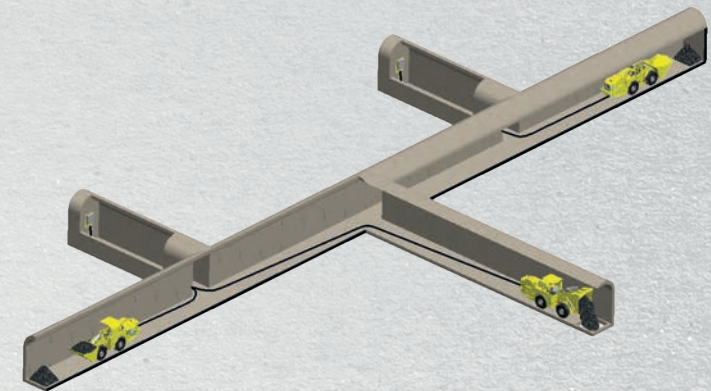
CABLE REEL



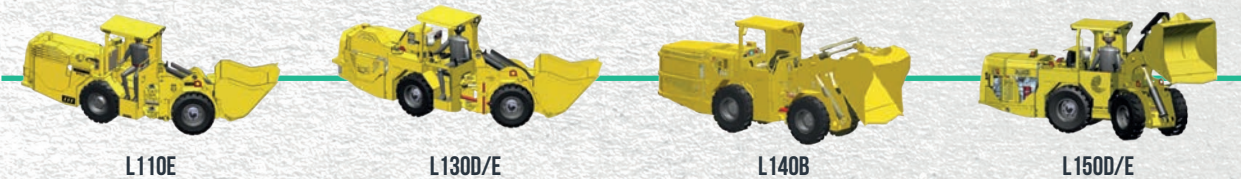
## EXTRA CAPACITY ELECTRIC LOADER

The miniLoader® L150XE has been designed to offer a comfortable and pure environment to the driver and miners around. The electric power brings less noise and no CO<sub>2</sub> emission in the working environment while the extra capacity increase your productivity.

Typical use of Aramine electric loader



## DISCOVER OUR FULL RANGE OF NARROW VEIN MINILOADER®



L110E

L130D/E

L140B

L150D/E

# COMMON SPECIFICATIONS

CAPACITIES			
Tramming capacity	1 600 kg		
Static tipping load	30 kN		
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	0,8 m <sup>3</sup>		
Density (t/m <sup>3</sup> )	1,8	2	2,3
Volume (m <sup>3</sup> )*	1,2	1	0,9
Volume (Yd <sup>3</sup> )*	1,6	1,3	1,2
Width (mm)	1,3	1,3	1,2

\* Heaped SAE

## TIRES

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

## TRANSMISSION

Hydrostatic Transmission fully reversible  
Pump: variable displacement 90 cm<sup>3</sup> @ 400 Bars  
Motor: fixed displacement 63 cm<sup>3</sup>

## 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  
Manuel 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 type pump 41 cc	
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 en 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 / Visual Alarm

Replaceable inserts to central hinge, bucket and boom articulations

Dump cylinder protection

Safety central hinge locking device

Safety boom raised 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  
Emergency Power Steering (electro-hydraulic)  
Bucket with high abrasive blades reinforcement  
EOD Ejector Blade Bucket  
Brake release tow hook

# SPECIFIC TO L150XD

## DIESEL

### SPEED

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

### ENGINE & ENERGY

Choice between 2 Deutz Engine  
Model D914L04 - CE: I I I 3A & 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

Batteries 12 V 105 Ah

Starter & accessories: 12V

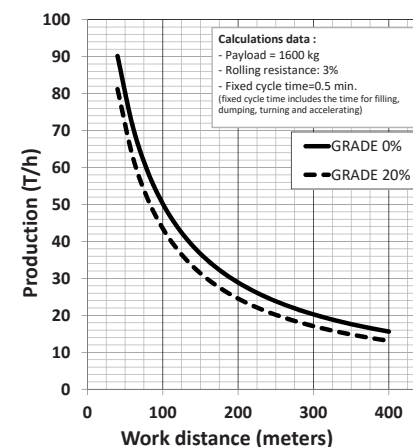
2 Front & 2 Rear LED lights : 12V

Alternator : 12V 95A

### SPEED ON GRADE

GRADE (%)	SPEED (km/h)	
	EMPTY	LOADED
0	10,8	10,7
5	10,3	10,1
10	9,9	9,4
15	9,3	8,0
20	8,5	5,9
25	6,8	4,5
30	5,5	3,6

### PRODUCTION in T/h



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

# SPECIFIC TO L150XE

## ELECTRIC

### SPEED

Vehicle Speed loaded 0 to 6 km/h with 60Hz  
0 to 5 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 Cagel P55 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

Electrical system with pilot cable

### CABLE & CABLE REEL

Hydraulic driven with self tension cabl reel

Heavy duty cable guiding for underground mining application

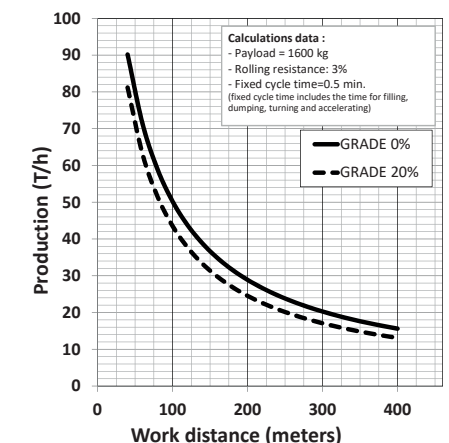
Capacity :

80m of cable 4 x 16mm<sup>2</sup>  
(800mm diam cable reel)

### SPEED ON GRADE

GRADE (%)	SPEED (km/h)			
	50HZ		60HZ	
	EMPTY	LOADED	EMPTY	LOADED
0	6,6	6,6	8,0	7,9
5	6,5	6,4	7,8	7,7
10	6,3	6,2	7,7	7,5
15	6,2	6,1	7,5	7,4
20	6,1	4,5	7,4	5,6
25	5,1	3,4	6,3	4,4
30	4,1	2,7	5,2	3,5

### PRODUCTION in T/h



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# NEVER STOP MINING



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