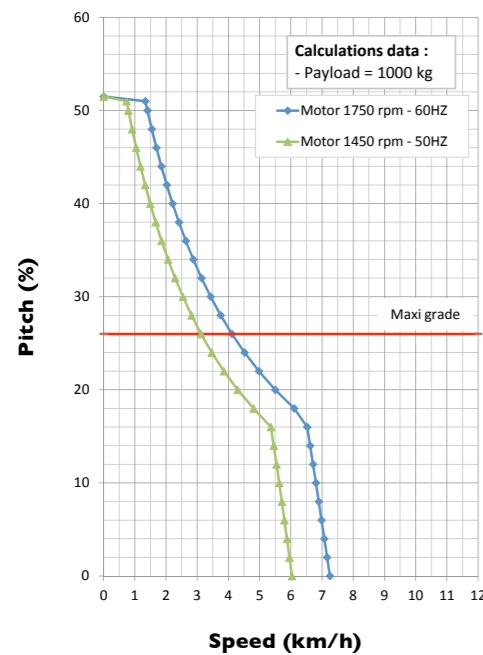
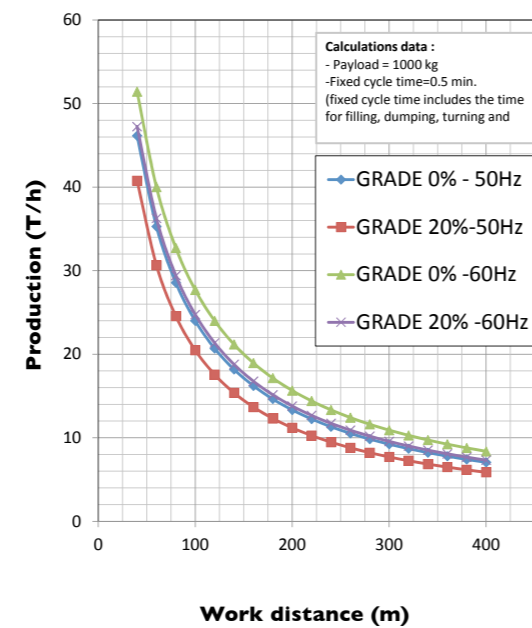


PERFORMANCES

SPEED ON GRADE



PRODUCTION IN T/h



STANDARD EQUIPMENTS

- Certified ROPS/FOPS Canopy over operator
- Hydrostatic Transmission
- Pilot operated Steering Joystick (Left Hand)
- Pilot Operated Bucket Joystick (Right Hand) 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
- Audio & Visual back-Up 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

OPTIONS

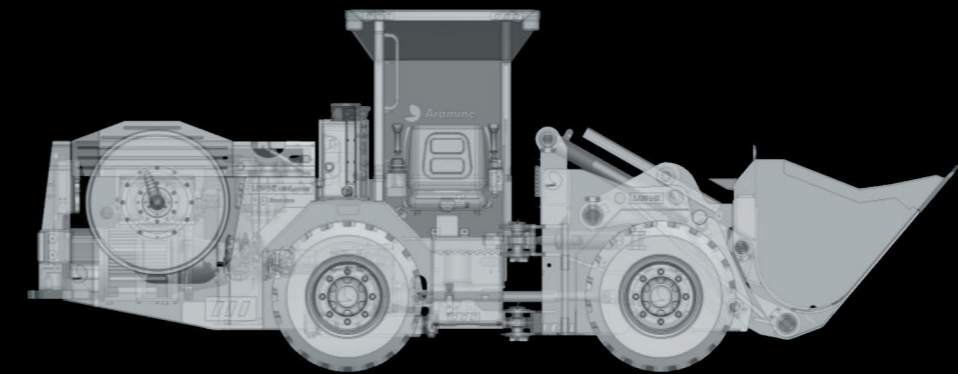
- Automatic lube system
- Extinguisher
- Radio Remote Control system
- Bi-Xenon or LED compact light
- Bucket with high abrasive blades reinforcement
- Cylinders pilot check valves

LI 10E miniLoader® TECHNICAL SPECIFICATIONS
En20150906



LI 10E miniLoader®

Electrical power - Technical specifications



Capacity 1000kg

Bucket 0,4 to 0,6 m³

Width 880 mm

Electrical Power

The miniLoader LI 10E, is specially designed for underground mining works in narrow section and narrow vein mining. With a width of 0,88 m and a tramming capacity of one tonne, the LI 10 is ideal to raise your productivity without the need of increasing your gallery sections. Its modern transmission and components result in a high reliability with simple maintenance and fully safe operation.

The chassis and articulations are designed for the toughest application, in order to allow a high availability with a longer life time.

The operator's compartment is side seated to comply perfectly with the underground requirements, with smooth and ergonomically located joysticks to offer comfort and safety to the operator and maintenance personnel.

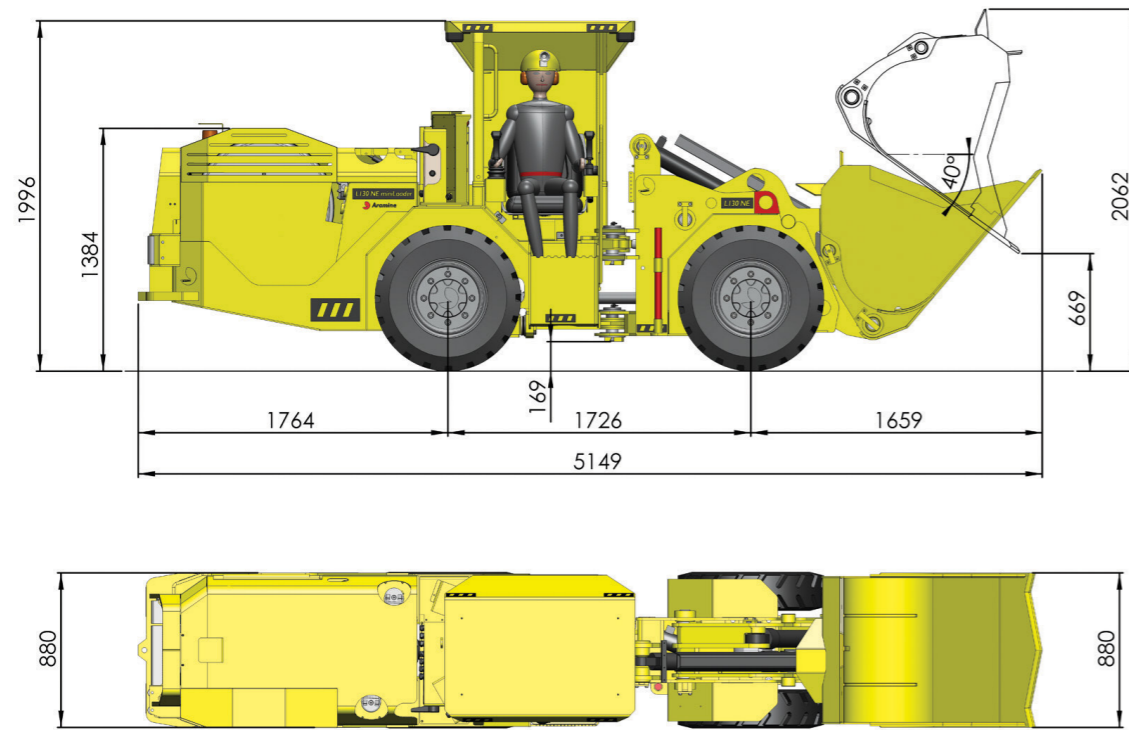
The miniLoader LI 10E fitted with a simple and robust cable reel designed for tramming and equipped with an automatic cable tension system, allows the utilization of the miniLoader with less noise and low ventilation.



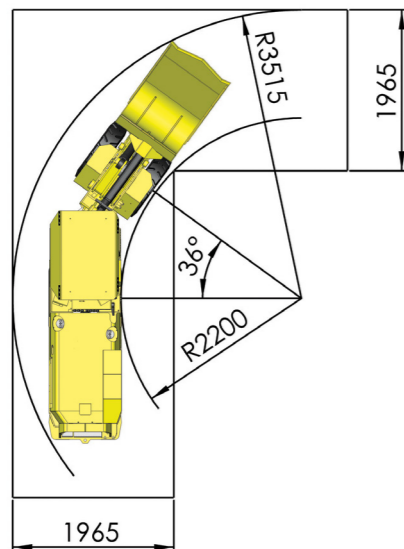
SPECIFICATIONS

DIMENSIONS (0,5m³ bucket view)

Vehicle shown can be different from the original

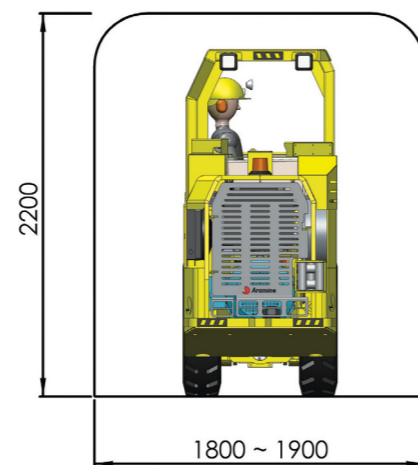


TURNING RADIUS (0,5m³ BucketView)



RECOMMENDED DRIFT SIZE

(Canopy mounted)



SPECIFICATIONS

CAPACITIES

Tramming Capacity 1 000 kg
 Static Tipping Load 30 kN
 Breakout Force Tilt (SAE) 29 kN
 Breakout Force Lift (SAE) 30 kN
 Empty weight 4 000 kg
 Empty: Front 1 350 kg / Rear 2 650 kg
 Loaded: Front 3 700 kg / Rear 1 300 kg
 Standard bucket volume: 0,5m³

Density (T/m³)	1.6	2.0	2.4
Volume (m³)	0.6	0.5	0.4
Width (mm)	1060	880	880

SPEED

Vehicle Speed loaded : 0 to 7 km/h with 60Hz
 0 to 6 km/h with 50Hz
 Bucket and Boom speed : 50Hz - 60Hz
 Boom : Raising 4,5 s - 4 s / Lowering 3 s - 2,5 s
 Bucket : Roll Back 4 s - 3,5 s / Dumping 6,5 s - 5,5 s

ELECTRICAL ENGINES & SYSTEM

Engine:
 Three-phase asynchronous – Squirrel Cage
 IP55 Degree of protection
 Power, Frequency and speed :
 30 kW power @ 50 Hz – 1500 rpm
 34 kW power @ 60 Hz – 1800 rpm
System :
 Electrical system compatible with 380V-50Hz and 440 V-60Hz

CABLE & CABLE REEL

Hydraulic driven with self tension cable reel.
 Heavy duty cable guiding for underground mining application.

Capacity : 90m of cable 4x10mm²
 80m of cable 4x16mm²
 (800mm diam cable reel)

TRANSMISSION

Hydrostatic Transmission fully reversible
 Pump : variable displacement 71 cm³
 Motor : fixed displacement 50 cm³

FRONT AND REAR AXLES

Front & Rear axles, Aramine A5086 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

OSCILLATION

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

ELECTRIC SYSTEM: 24V

Sealed electrical system with replaceable harness
 2 Front & 2 Rear lights: 24V-H3-70W

HYDRAULIC SYSTEM

Suction strainer 100 microns
 Return filter 25 microns cartridge
 Fluid: Class 68
 Hydraulic tandem gear type pump
 Hydraulic Pilot Steering & Bucket Controls
 Hydraulic Cylinders, double acting type:
 One (1) for Stab
 One (1) for Hoist
 One (1) for Steering

BRAKES

Service : Hydrostatic brake
Parking & Emergency : LCB multi-discs brake, spring apply 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 the seat.

TIRES

Michelin 7,5R15 X-Mine D2
 Mounted on demountable rims

TANKS CAPACITIES

Hydraulic : 60 L (Welded to frame)
 Hydrostatic : 45 L (Welded to frame)
 All tanks with access cover (easy cleaning)

OPERATOR'S COMPARTMENT

Side Seated Operator, for better visibility in both directions
 Seat with suspension, armrests and safety belt
 Removable canopy
 Ergonomically located Steer & Bucket pilot joystick