

MINING LOADER L350D

DIESEL

4 t

1,8m³



HIGH
PRODUCTIVITY



LOW
MAINTENANCE
COST



COMFORT



SAFETY

ULTRA COMPACT SIZE - UNIQUE COMFORT
ULTIMATE LOADING PRODUCTIVITY

 **Aramine**
NEVER STOP MINING

A FIRST-CLASS LOADER

MINING LOADER L350D

DIESEL



Next generation of underground mining loader, the L350D is the only machine of its category available with an enclosed cabin offering an enjoyable journey in our tough underground environment.

The very robust frame design and system combination makes it the most productive and effective loader to increase safely your productivity in narrow vein mines.

Safety at each level :

From the spring brake applied in each wheel to the escape window in the cabin, the L350D was designed to protect not only its operator, but all person around it, and the facts are :

- ISO ROPS/FOPS approved open or enclosed cabin
- Steering and Boom-up locking device. Audio-visual reverse alarm. Easy and anti-skid access. Emergency stop
- Automation ready Canbus System

Productivity at a high rate :

We have achieved an incomparable “size to capacity“ ratio, to carry more in smaller gallery sections. As a leader in mining equipment for narrow vein mines, Aramine has the greatest expertise and understanding of the needs of this market.

Ergonomics has finally changed era:

The unique cabin design and the unmatched stability make you feel you're on board a large size loader, in term of comfort and security.

Now available for narrow vein mines ! Great working solution for increasing productivity.

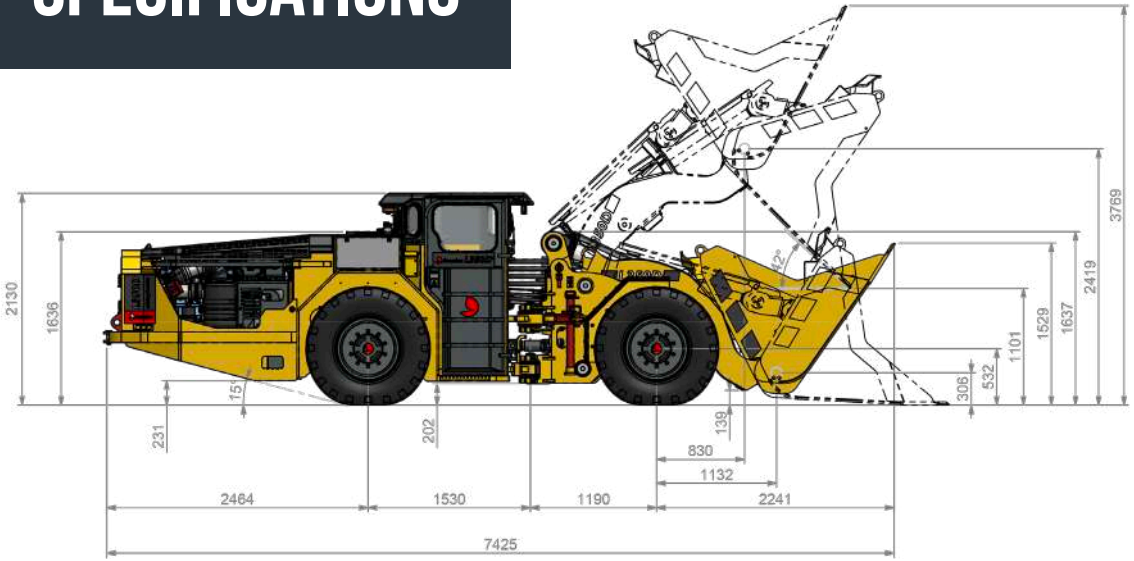


Durability as a philosophy:

Strong newly designed frame guarantees long life, easy maintenance and remanufacturing.

- Hydraulic systems with total suction and return filtration
- Oversized central articulation designed with conical bearing
- Parallel bucket design with stabilizer link insure high dumping angle with less articulations
- Penetrating bucket design and powertrain force offer fast and efficient mucking

SPECIFICATIONS



CAPACITIES

With 4ton tramping capacity and 1,8m³ standard bucket volume, the L350D is the most compact of its categorie.

Tramping capacity	4 000 kg
Static tipping Load	9 400 kg
Breakout force, tilt (SAE)	9 600 kg
Breakout force, lift (SAE)	11 000 kg
Empty weight	13 900 kg
Empty weight distribution	Front 5 400 kg / Rear 8 500 kg
Loaded weight distribution	Front 10 900 kg / Rear 7 000 kg
Standard bucket volume	1,8 m ³

BUCKET SPEED

With its intelligent Boost function, the bucket speed can be adjusted by the operator for more agility or productivity.

Raising time	6,5 s
Lowering time	4,5 s
Dumpling time	7 s

STEERING SYSTEM

Hydraulically operated, articulated frame, double acting cylinder, steering controlled by left hand joystick, cab door interlock protection.

Steering cylinders	1 pc, 110 mm (4,3") piston diameter
Steering pump	Gear pump

HYDROSTATIC DRIVE SYSTEM

Powerfull hydrostatic transmission offer a full torque or full speed without energy loss.

Drive pump	Rexroth A4VG 110cc @ 410 bar
Drive motor :	Rexroth variable displacement 68 to 215 cc
Dedicated hydrostatic tank	42 l (11 gal)
Filtration	Suction and return filter 10µ integrated in tank

BRAKES

SAHR brakes on each wheel, with hydraulic forced cooling system for temp control in any type of operation.

Service : spring applied hydraulically released, multidisc brake in each wheel end

Parking : Same as service brakes with manual button activation

Emergency : Same as service ones with automatic activation in case of failure of : engine, hydraulic or electrical system

FRONT AND REAR AXLES

Front and rear axles with Planetary and enclosed SAHR brakes on each wheel end.

Front & Rear axles	Kessler D71
Front	Limited spin differential
Rear	Limited spin differential

Oscillation : Rear axle mounted on bolted flange oscillating frame : 12° total

TIRES

Tires to meet the extreme conditions of the underground mining industry.

Tire size	Michelin X-mine D2; 12,00R20 L5
-----------	---------------------------------

Application: approved for underground loader application, other type on demand

ENGINE & SYSTEM

Standard Water Cooled tier 3 Deutz engine and optional Tier 5 or Air Cooled, depending on your needs.

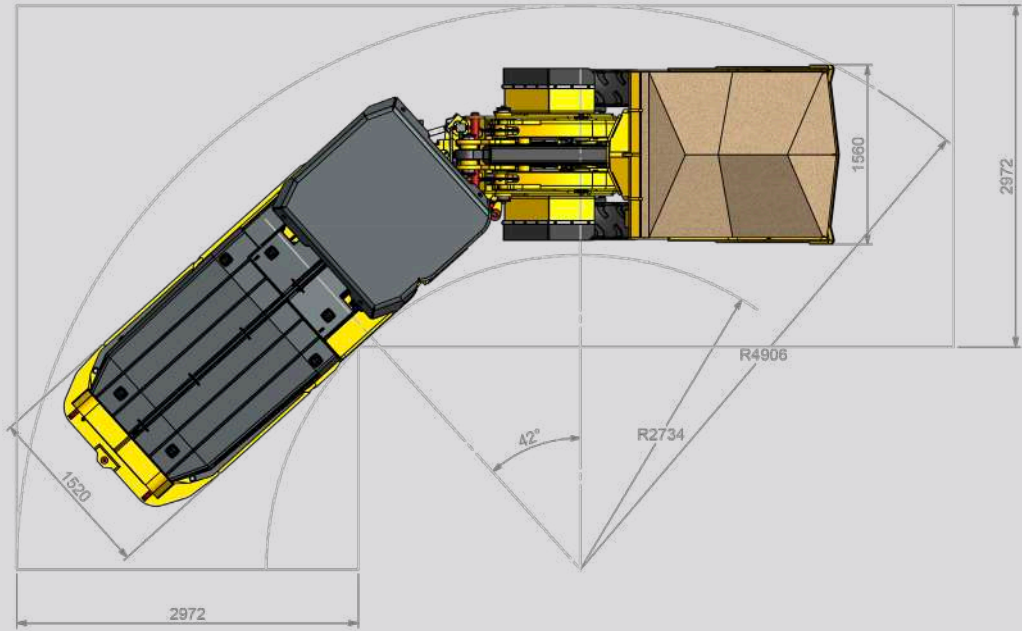
Make and model	Deutz diesel TCD 3.6 L4
Power	90 kW (121 hp) @ 2 300 rpm
Number of cylinders	4 in line
Displacement and cooling	Tier 3 CANMET certified system charged
	Liquid-cooled
Air filtration	Dry type system
Electric system	24 V
Exhaust system	Catalytic purifier and silencer
Fuel tank capacity	140 l (37 gal)

HYDRAULIC SYSTEM

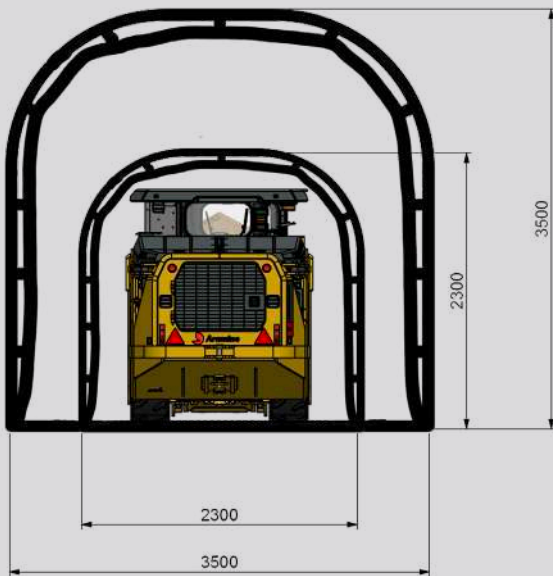
Hydraulic Cooling system for extreme temp and Filtration on return and suction for longer component lifetime.

Dedicated hydraulic tank	105 l (28 gal)
Filtration	Suction and return filter 10µ integrated in tank
Right hand joystick bucket and boom control with Cab door interlock protection	
Pump Type	Gear pump
Lift cylinders	(2), 150 mm (4,9") piston diameter
Dump cylinder	(1), 160 mm (5,5") piston diameter
Hose fittings	ORFS type

TURNING RADIUS



RECOMMENDED DRIFT SIZE



OPERATOR'S COMPARTMENT

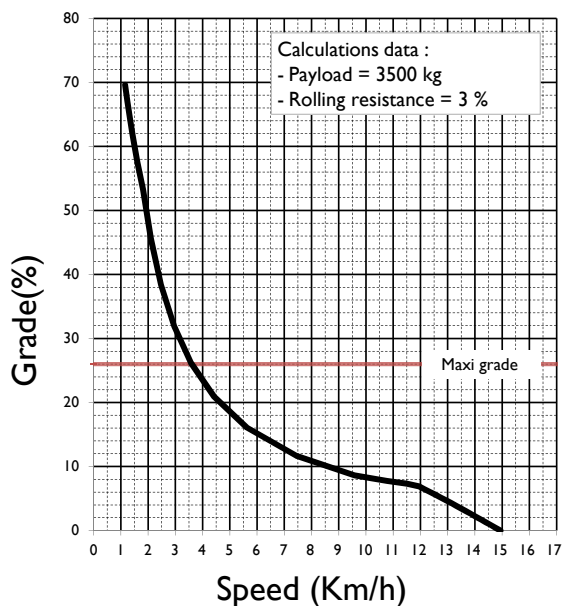
- Radio remote control ready
- Side seated operator, for better visibility in both directions
- Comfortable seat with safety belt
- Ergonomic built-in armrests with integrated joystick (bucket & steering)
- Intuitive indicator display with 7" screen, multilingual
- ROPS/FOPS certified bolted cabin with a unique replaceable rooftop
- Safe operator cabin with no hydraulic pressurized devices
- Forward/Reverse/Neutral control buttons on left joystick
- Right foot pedal for tramping speed control
- Left foot pedal for service brake (posistop)

ELECTRICAL EQUIPMENT

- Canbus system with programmable PLC and monitoring system
- Alternator 100 A
- Batteries 2 x 12 V
- Starter 24 V
- Driving lights LED type, front (2) rear (2)
- Brake lights rear (2), red LED type
- Dashboard 7" color display
- Lockable main switch
- Fully sealed replaceable harness with water-proof connections
- Service light LED type, rear (1) on cabin roof

The drawings and images of this brochure may show equipment with specific options.
The specifications and equipment are subject to change without notice.

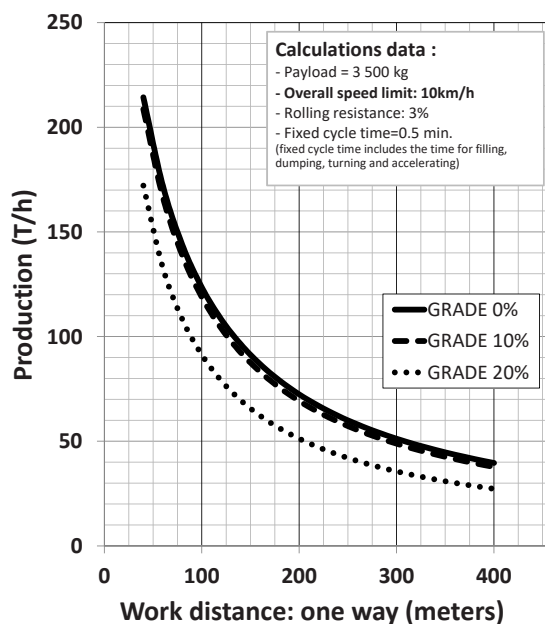
SPEED ON GRADE



STANDARD EQUIPMENTS

- Reverse alarm with rotating beacon
- External emergency shutdown button (x2 on rear frame)
- ISO type decals and instructions
- Door interlock for boom, bucket and steering controls, with automatic brake apply
- Temporized automatic neutral brake apply (adjustable)
- Boom raised and central articulation, safe locking systems
- Centralized manual lubrication in central hinge
- Centralized manual pressure and flow control points
- Multilingual display of all pressures, temperatures,... on the dashboard main screen
- Fire extinguisher, 6kg
- Dedicated hydraulic and hydrostatic tanks with return suction filters

PRODUCTION in T/h



OPTIONS & CUSTOMIZATION

- DEUTZ BF6L914 engine.
114 kW @ 2300 rpm.
Turbo 6.5l Air cooled
- DEUTZ TCD 3.6 L4 engine.
90 kW @ 2300 rpm. Liquid-cooled.
Stage V EU / CANMET certified
- Manual fire suppression system ANSUL, one tank, 4 nozzles, incl. Auto engine shut down
- Automatic CHECKFIRE Ansul system (order in addition of manual Ansul system)
- Radio Remote Control system (transmitter & receiver)
- Arctic package (engine and hydraulic tank heater)
- Jump start
- Enclosed cabin with air conditioner, heater, window wipers/washers and emergency escape window
- Low profile cabin 2000m high
- Ground engagement tool for bucket
- Wheel stocks
- Automatic central lubrication

MINING LOADER L350D

DIESEL

NEVER STOP MINING



PAAP-BP 60205
158 Rue Henri Bessemer
13796 Aix en Provence
+33(0) 04 42 53 53 00
info@aramine.com
www.aramine.com
www.shop.aramine.com

