ATLAS SINCE 1919

PRODUCT RANGE

HEAVY WHEEL LOADERS

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IN A CLASS OF THEIR OWN

ATLAS Heavy Wheel Loaders combine compact dimensions with impressive productivity for outstanding value. Their strengths really come to the fore in applications including earth moving, road construction, recycling, wood processing, agriculture and certain areas of the alternative energy industry.

L160

Operating weight	9,200 kg
Engine power	74.5 kW (102 HP)
Bucket capacity	1.5 - 3.0 m³

L210

Operating weight	12,500 kg
Engine power	119 kW (162 HP)
Bucket capacity	2.0 - 3.5 m³

L260

Operating weight	14,400 kg
Engine power	128 kW (174 HP)
Bucket capacity	2.5 - 4.5 m³

L310

Operating weight	17,600 kg
Engine power	149 kW (203 HP)
Bucket capacity	3.0 - 5.0 m³

CONTENTS

ATLAS Heavy Wheel Loaders	**2**
Applications	**4**
Walkaround	6
Power: loading technology and travel drive	**8**
Power: engine and hydraulics	**10**
Productivity	**12**
Operator comfort	**14**
Ease of operation	**16**
Options	**18**

READY FOR ANYTHING

Machines produced with more than 50 years experience, ATLAS has the specialist knowledge to deliver high quality machines for the widest range of applications.

What this means for you:

- Large selection of loader sizes.
- Snap coupling with good visibility of attachments.

EARTH MOVING

Fast work cycles thanks to fluid bucket movements and high manoeuvrability allow operators to shift more earth.

AGRICULTURE

With impressive lifting heights, various cab lift mechanisms and high-powered engines, the widest variety of tasks are handled with ease.

ROAD CONSTRUCTION

With a compact design and high manoeuvrability road construction applications are undertaken with ease.

RECYCLING

Ideally suited to recycling applications with specialised cooling and pressurised cab environments available.

MATERIAL HANDLING

Precise articulated steering and transverse engine installation ensure ease of operation when transporting heavy ballast and stone.

BACK LOADING

High tear-out and lifting forces thanks to a combination of high stability and parallel and Z kinematics.

PRODUCTIVE AND POWERFUL

Single-lever pilot control with integrated direction of travel switch for simple directional changes.

Load sensing hydraulic system (LUDV) delivers hydraulic power only when needed.

Outstanding overhead loading height, large dumping widths and powerful tear-out and lifting forces.

Powerful loading technology with ATLAS SP-kinematics combining the advantages of parallel and Z-kinematics.

Continuously variable travelling speed up to 40Km/h for reduced journey times.

Additional 'Versa Steer' steering mode as standard for optimal control and reduced operator fatigue.

ROPS/FOPS cab and fully glazed second door.

Ergonomic cab with excellent rear visibility and climate control system for operator comfort.

High-performance cooling system with reversible fan for greater productivity.

Short tail with transverse engine installation provides optimum stability and excellent rear visibility.

High performance engines with impressive power development even at low speeds.

Wide-opening hood for easy service access.

Low wear multi-disc brakes integrated in the axles providing protection from dirt and damage.

High-performance steel chassis with outstanding ground clearance for access to the toughest job sites.

ECONOMICAL

ATLAS Heavy Wheel Loaders are designed to be powerful in operation with low operating costs for an enhanced return on customer investment.

HYDROSTATIC TRAVEL DRIVE – EFFICIENT PERFORMANCE

High work performance with low fuel consumption: The load-limit-controlled VarioPower hydrostatic travel drive enhances mobility during use – easy, fast and economical.

- The driver always gets maximum torque for maximum transverse force.
- Brake wear is reduced because the wheeled loader is hydrostatically braked.
- The machine travels with optimum traction from a standstill up to 40 km/h without shifting.
- At high speed, a travel motor is disengaged, which in turn lowers fuel consumption.

Two travel motors ensure powerful starts and more power for difficult work. Travel speed and transverse force adapt automatically to the site demands.

What this means for you:

The hydrostatic drive delivers powerful performance and lower fuel consumption.

Permanent four-wheel drive.

Reduced brake wear.

HIGH PERFORMANCE LOADING TECHNOLOGY

The ATLAS SP loading kinematics combine the force of the Z-kinematics with the advantages of P-kinematics.

- Large dumping widths, high tear-out and lifting forces in all bucket positions.
- The bucket and stacking device are guided exactly parallel over the entire lifting height.

Pure control
The optional load oscillation damping system increases productivity by reducing the movement of the load whilst in transit.

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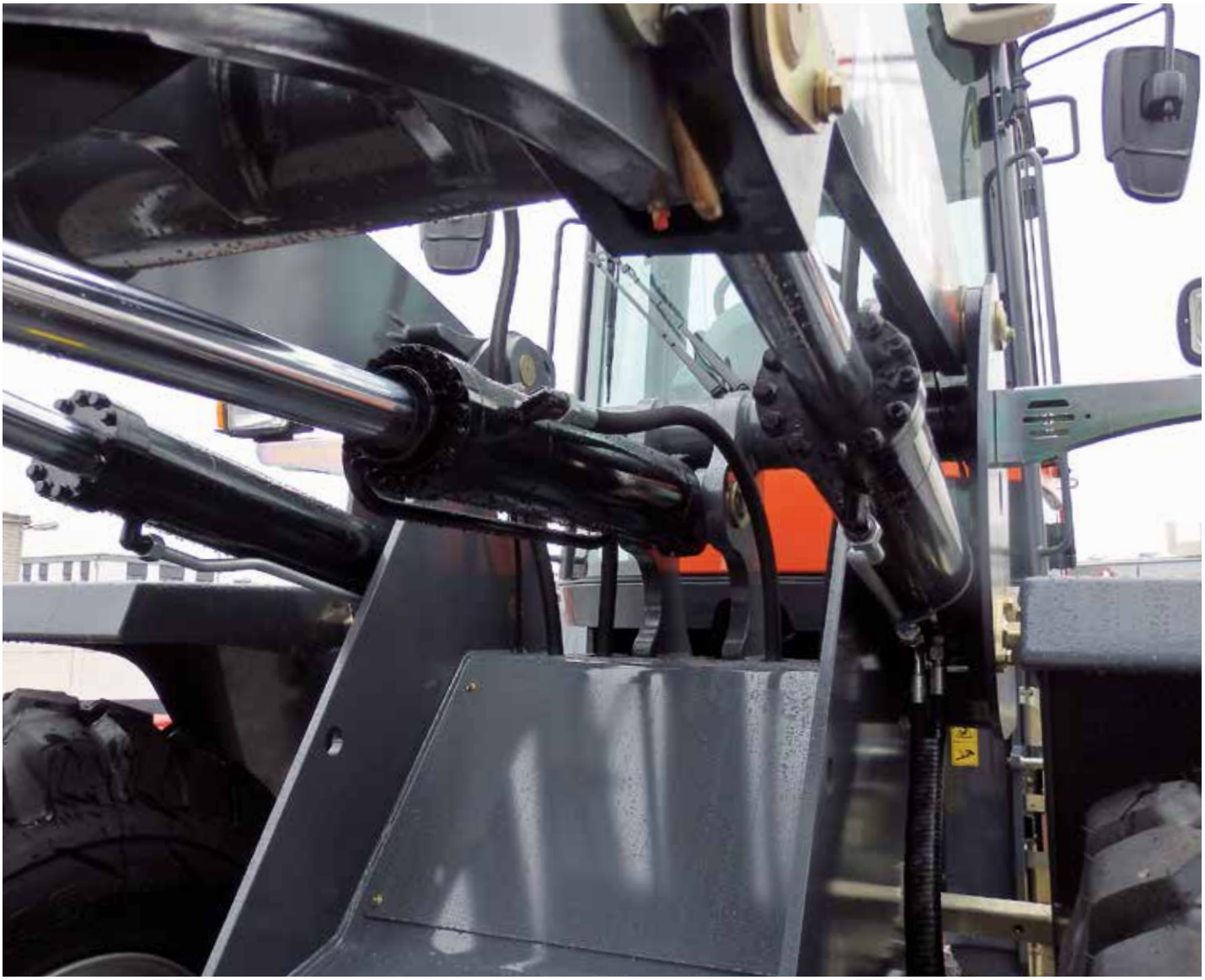


PURE POWER

UNDER THE HOOD

The very fuel efficient four and six cylinder engines offer a high number of loading cycles per tank. The constant power throughout the speed range from 1400 to 2200 rpm yields high torque when starting out and maintains sufficient reserves if operation becomes more difficult.
The transversally installed engine acts as a counter-weight, increasing stability allowing for higher tipping loads.
The lighter overall design reduces the fuel consumption.
The compact design allows the driver to manoeuvre with ease. With the wide-opening one-piece hood, all engine components are easily accessible for routine maintenance and servicing.

What this means for you:

- Increased stability and higher tipping loads with transversally installed engine.
- Reduced fuel consumption thanks to lighter overall design
- Excellent rear visibility with a short engine hood
- Higher manoeuvrability thanks to the compact design
- Long maintenance intervals at 500 hours.

THE HYDRAULICS

The ATLAS SP load kinematics are ideally supplemented by load-sensing high-pressure hydraulics. Steering and working movements are smooth and easy thanks to hydraulic pilot control. All loading functions can be controlled simultaneously with pressure limiting valves preventing the system from being overloaded.
With thermostatic control, the hydraulic fluid warms up quickly, helping avoid wear from cold oil.

What this means for you:

- Load sensing hydraulic system (LUDV) delivers hydraulic power only when needed.
- Efficient performance as working hydraulics act independently from drive hydraulics.
- Thermostatic control for hydraulic oil.

FULL POWER AHEAD

INCHING DEVICE

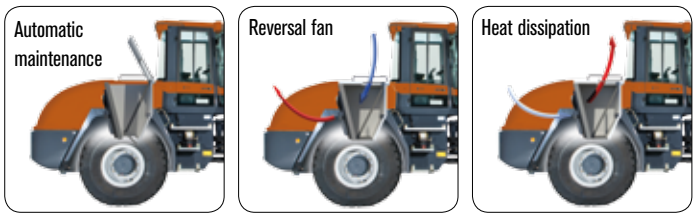
Engine power is diverted from the travel hydraulics into the working hydraulics, allowing for optimised productivity and accurate movement.

SMOOTH, EFFECTIVE BRAKING

Reduced wear, multi-disc brake running in the oil bath with long service life. The brakes are integrated in the axles and thereby protected from damage and dirt. The hydraulically powered 2-circuit brake system offers the highest possible safety.

ROAD LICENCE

All heavy wheel loaders can be licensed for road travel – thus saving transport costs.



UNIQUE COOLING SYSTEM

The hydrostatic, temperature-controlled fan drive operates only when required, reducing fuel consumption and noise levels. The air intake innovatively located behind the cab takes in less contaminates thereby reducing cleaning and maintenance requirements.

What this means for you:

- Inching pedal gives operators precise control.
- Powerful and precise loading technology.
- The unique cooling system reduces fuel consumption and service expense.

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BUILT AROUND THE DRIVER

COMFORTABLE AND FUNCTIONAL

A workplace that is designed to enhance the operator experience, providing exceptional comfort, safety and productivity. Stepping into the generously proportioned cab, operators can enjoy the comfort from the hydraulic suspension seat and air conditioning, which comes as standard. Ergonomically designed instrument panels ensure that the driver has everything important in view whilst the telescopic steering column can be height and angle adjusted for additional comfort.

What this means for you:

- Excellent visibility for ease of manoeuvring and productivity.
- Noise dampening and reduced vibrations.
- Operator is relaxed and focused, improving productivity thanks to the comfortable hydraulic suspension seat.
- Coolant/hydraulic level display from the cab.
- Comfortable working temperature thanks to standard air conditioning system.
- Overpressure system for cab protection ventilation is optional.
- Second door on the right for better visibility to the side.

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POWERFUL AND PRECISE

ONE OPERATING LEVER – ALL FUNCTIONS

All travelling and work movements of the wheeled loader are precisely controlled with the multi-function joystick, allowing the left hand to remain on the steering wheel. With the right hand, the driver controls the following functions:

- Operation of the loading hydraulics
- Operation of the additional control circuit
- Floating position
- Switching the direction of travel from forward to reverse

OPTIMUM DELIVERY

In all steering movements, the hydraulic power adapts to the exact requirement thanks to the load sensing hydraulic system with variable LUDV flow rate (load-independent flow distribution).

SELF-LOCKING DIFFERENTIAL

The automatic self-locking differential supplies optimum power to the wheels for increased traction in difficult and shifting terrain allowing the operator to concentrate fully on the job.

STEERING

The central articulated steering with extreme steering angle lock provides operators with complete control in the narrowest sites. With the rear axle suspension and articulated steering operators enjoy excellent off-road mobility and driver comfort.

VERSA STEER

Operators can select Versa-Steer mode when working in applications that require numerous steering movements. This causes the steering wheel to behave like a joystick. Small movements equate to full wheel lock thereby reducing operator effort and increasing productivity.

What this means for you:

- Simple operation via an operating lever increases productivity.
- High operating reliability thanks to the operator friendly arrangement of the operating and warning lights.
- Reduced steering effort from innovative steering control. The combination of articulated steering and rear axle suspension increases productivity.
- Keep working in slippery conditions with reduced wheel slip thanks to the self-locking differential.

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HIGHER FURTHER

The ATLAS loader arm lift mechanism makes all the difference: high volume performance, fast work cycles, precise operation and enormous power development in all work movements.

With optional extensions, you can attain even more impressive lifting heights while significantly expanding the action radius.

ROBUST CONSTRUCTION

The 3-point suspension of the bucket consists of 80 mm bucket hinge pins. To protect material while working, the bucket anchor points are located directly on the lifting frame. Sealed bearing points on the lifting frame/bucket make for increased service life.

MAXIMUM DUMP HEIGHT

Extended cab lift mechanisms are available as an option in a 0.65 and 1.25 meter size.

What this means for you:

- Large bucket opening and ideal bucket angle make for productive filling.
- High tear-out/rack-back force over the entire lifting range, especially in the highest position – important for buckets with hydraulic clamping device.
- Excellent view of attachments.
- Suspension point quick-change device: Many different work attachments can be used.

USE WITH PALLET FORK

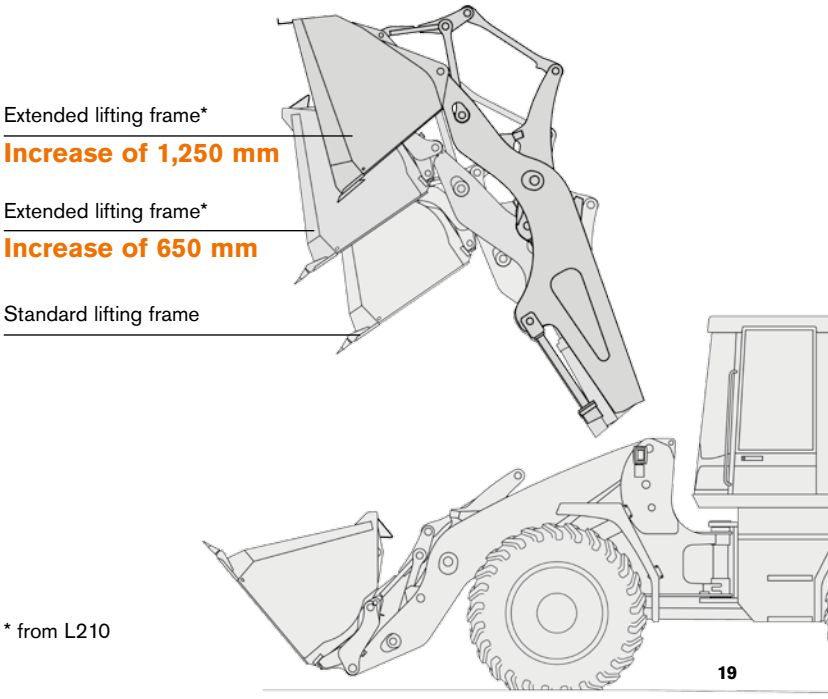
The ATLAS lift mechanism is perfectly suited for use with pallet fork thanks to 100% parallel guidance. Depending on the model, up to 3.94 m stacking height and cargo loads of up to 9 tonnes can be transported.

ALWAYS THE RIGHT TOOL

With the right tool tool, a ATLAS wheeled loader can handle a wide variety of work.

The choice is yours

- Universal bucket (4-in-1)
- Grab bucket (compost bucket)
- High-tilt bucket
- Fork carrier
- Quick-change device
- Timber grab



* from L210

ATLAS GmbH

Atlasstrasse 6
27777 Ganderkesee
Germany
T: +49 (0) 4222 954 0
F: +49 (0) 4222 954 343
info@atlasgmbh.com

www.ATLASGMBH.com

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