Operation weight:
6000 kg

Power:
55,4 kW (75,4 HP)

Shovel capacity:
1,0 m³
Small e. Big effect.

ATLAS Weyhausen wheel loaders are more than the sum of their parts. They reflect true passion, a fascination with technology and ‘made in Germany’ quality.

It’s thanks to the innovative spirit of our people, their dedication to detail and their passion for powerful engine technology that this new e-generation of wheel loaders has been developed.

The small “e” stands for
- emission reduction: even lower emissions than statutory requirements*
- efficient: higher power, lower consumption
- evolutionary: advanced designs that are optimised down to the smallest detail
Deutz engine technology

TD 2.9 L4

Newly designed, water-cooled 4-cylinder inline engine with cooled, external exhaust gas recirculation with and without turbocharging and optionally with and without charge air cooling.

Use of DVERT® oxidation catalyst (DOC) enables maintenance-free operation under all application and ambient conditions.

The powerful Common Rail injection system and highly efficient combustion process with cooled external exhaust gas recirculation ensure optimum engine performance at low fuel consumption and exhaust emissions.

Best cold starting performance even under extreme conditions. The engines meet the requirements of the EU Stage IIIB and US EPA Tier 4 interim with DVERT® oxidation catalyst.

Hydraulic quick-change attachment

By allowing you to change the wheel loader’s attachments in a few seconds, it turns the vehicle into an all-rounder.

Latest kinematics technology

The proven and tested ATLAS kinematics with its exceptional tear-out force and excellent lifting heights. Telescopic cylinder with endposition cushioning.

Easy maintenance

Low-maintenance and quick, easy servicing is achieved by central, consolidated, easy-to-reach service points.

Comfortable cabin

In addition to the excellent circumferential visibility in the wheel loader, its clearly arranged controls and its ergonomic design.

Powerful drive unit

ATLAS WEYCOR wheel loaders are equipped with state-of-the-art engines which combine high power reserves for challenging operations with up-to-date low emission values.

Articulated joint

The combination of pendulum joint and the rear oscillating axle provides for excellent maneuverability and cross-country mobility.

Even on challenging terrain, the low center of gravity ensures exceptional stability.

Negative brake

Serves to maintain a stable position while the wheel loader is driven on slopes with the brake or inching function activated. All four wheels are automatically blocked as soon as the engine is stopped.

Separate inching pedal.

Less wear & tear and fuel consumption: In contrast to the conventional combined brake/inching pedal, with the separate inching pedal, the risk of inadvertently activating the main brake while you drive is eliminated.
AR 75*\text{E} T

**TECHNICAL DATA**

**Engine**
Make: AR
Type: TA 2.9 L4
Power: 55.4 kW (75.4 HP)
Max. torque: 2500 Nm
Max. speed: 11800 min\(^{-1}\)

**Steering**
- Fuel hydraulic center pivot steering and oscillating rear axle
- Steering angle of 40° to each side
- ±10° angular movement at rear of vehicle
- Operating pressure of steering hydraulics 175 bar
- Emergency steering function

**Axles**
- Rigid axle front, pendulum rear axle with planetary reduction gears in wheel hubs, electrically connected 100% - differential lock in front and rear axle.
- 4th hydraulic sector
- Hydraulically hydraulically pre-actuate via ATLAS joystick, including float position
- Operating pressure 230 bar, delivery 69 l/min

**Brakes**
- Standard: 4x4 - disc brakes in oil bath
- Emergency steering function
- Multi-disc brake in oil bath
- POWER for thrust and lifting forces
- Drive operation under 45°
- Powerful and solid Z – kinematics

**Tires**
- Standard: 16/70 R20 MPT 14 PR - Multi-purpose tires for earth moving machines, with good traction, self-cleaning and firm stability
- Special tires upon request

**Fuel/oil capacities**
- Diesel: 80 l
- Engine oil: 13 l
- Gear oil: 2.5 l
- Cooling liquid: 15 l

**Operating data**
- Shovel capacity acc. to SAE: 1.0 m\(^3\)
- Track width: 1520 mm
- Tread width: 4300 mm
- Towing load, straight: 4310 mm
- Tipping load, straight/extended: 2300 mm
- Lifting capacity at ground level: 3600 daN
- Service weight: 6000 kg
- Differing data for use of pallet forks (500 mm distance to center of gravity)

**Electrical System**
- Operating voltage: 12 V
- Battery: 12 V/160 Ah
- Alternator: 14 V/95 A
- Starter: 12 V/2.6 kW
- Engine speed ready for EU Stage IIIB. Common Rail injection system with cooled external exhaust gas recirculation and oxidation catalyst.
- No regeneration necessary.

**Standard equipment**
- Stability damping system
- High speed version 40 km/h
- Air conditioning
- Hand throttle unit
- Load check valve
- Main battery switch
- Corrosion prevention against salt
- Special paintings and sides
- Trailer coupling
- Heatable and air cushioned seats
- Auxiliary heating, comfort cab
- Radio
- Warning beacon
- Doors with sliding windows, left and right side
- Anti-theft device with code stick
- Glass roof arrangement

More options upon request

**Systems**
- Heat protection glazing with largetinted screens
- Sound absorbing ROPS cab
- Engine oil heating with heat exchange
- Comfortable access to cab from both side
- Heatable rear screen
- Control lights featuring a diagram for shovel selection
- Joystick with integrated proportional steering including preheating

**Options**

**Technical options**
- Stability damping system
- High speed version 40 km/h
- Air conditioning
- Hand throttle unit
- Load check valve
- Main battery switch
- Corrosion prevention against salt
- Special paintings and sides
- Trailer coupling
- Heatable and air cushioned seats
- Auxiliary heating, comfort cab
- Radio
- Warning beacon
- Doors with sliding windows, left and right side
- Anti-theft device with code stick
- Glass roof arrangement

More options upon request

**Operating data**

**Sound level**
- Average acoustic power level L\(_{A,eq}\): 100.0 dB(A)
- Guaranteed acoustic power level L\(_{A,eq}\): 101.0 dB(A)
- Sound pressure level L\(_{Pa}\): 77.0 dB(A)
- Specific vibration data Hand- / arm- / body
- vibration\(\text{L}_{imm}\): 2.9 / 0.5 m/s\(^2\)

**Special data**
- Shovel capacity acc. to SAE: 1.0 m\(^3\)
- Track width: 1520 mm
- Tread width: 4300 mm
- Towing load, straight: 4310 mm
- Tipping load, straight/extended: 2300 mm
- Lifting capacity at ground level: 3600 daN
- Service weight: 6000 kg
- Differing data for use of pallet forks (500 mm distance to center of gravity)

**Technical data AR 75 e T with standard shovel**

**Technical data AR 75 e T with pallet forks**

**SPECIFIC GRAVITY FOR MATERIAL HANDLING**

<table>
<thead>
<tr>
<th>Material</th>
<th>Specific Gravity</th>
<th>Density (kg/m(^3))</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>1.9</td>
<td>2450</td>
</tr>
<tr>
<td>Sand</td>
<td>2.4</td>
<td>1500</td>
</tr>
<tr>
<td>Soil</td>
<td>2.6</td>
<td>1750</td>
</tr>
<tr>
<td>Rock (limestone)</td>
<td>2.5</td>
<td>1750</td>
</tr>
<tr>
<td>Gravel (sand)</td>
<td>2.8</td>
<td>1500</td>
</tr>
<tr>
<td>Gravel (limestone)</td>
<td>2.1</td>
<td>1750</td>
</tr>
<tr>
<td>Gravel (concrete)</td>
<td>2.1</td>
<td>1500</td>
</tr>
<tr>
<td>Plastic</td>
<td>1.2</td>
<td>1000</td>
</tr>
<tr>
<td>Glass</td>
<td>2.5</td>
<td>2500</td>
</tr>
<tr>
<td>Tin</td>
<td>2.7</td>
<td>1750</td>
</tr>
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</table>

**INDUSTRY**

<table>
<thead>
<tr>
<th>Material</th>
<th>Density (kg/m(^3))</th>
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<tbody>
<tr>
<td>Earth</td>
<td>1.9</td>
</tr>
<tr>
<td>Sand</td>
<td>1.7</td>
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<tr>
<td>Cement</td>
<td>1.4</td>
</tr>
<tr>
<td>Gravel</td>
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</tr>
<tr>
<td>Clay</td>
<td>1.0</td>
</tr>
<tr>
<td>Concrete</td>
<td>2.4</td>
</tr>
</tbody>
</table>

**LANDSCAPING, AGRICULTURE**

<table>
<thead>
<tr>
<th>Material</th>
<th>Density (kg/m(^3))</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay</td>
<td>2.5</td>
</tr>
<tr>
<td>Sand</td>
<td>2.7</td>
</tr>
<tr>
<td>Gravel</td>
<td>2.1</td>
</tr>
<tr>
<td>Crushed stone</td>
<td>2.3</td>
</tr>
</tbody>
</table>

**Diagram of shovel selection**

**Specific vibration data Hand- / arm- / body
- vibration\(\text{L}_{imm}\): 2.9 / 0.5 m/s\(^2\)**

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* Source: http://www.atlas.de

**Hand- / arm- / body
- vibration\(\text{L}_{imm}\): 2.9 / 0.5 m/s\(^2\)**

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* Source: http://www.atlas.de
Product range

**AR 30**
- **Operation weight**: 2150 kg
- **Power**: 24,6 kW/33,5 HP
- **Shovel capacity**: 0,32 m³

**AR 35 / AR 35 Super**
- **Operation weight**: 2500 kg/2875 kg
- **Power**: 24,6 kW/33,5 HP
- **Shovel capacity**: 0,34 m³/0,40 m³

**AR 40**
- **Operation weight**: 3300 kg
- **Power**: 29,4 kW/40 HP
- **Shovel capacity**: 0,50 m³

**AR 60**
- **Operation weight**: 4300 kg/4650 kg
- **Power**: 36,5 kW/49,7 HP
- **Shovel capacity**: 0,80 m³

**AR 65 e**
- **Operation weight**: 5000 kg
- **Power**: 55,4 kW/75,4 HP
- **Shovel capacity**: 0,8 - 1,00 m³

**AR 75 e**
- **Operation weight**: 5760 kg
- **Power**: 55,4 kW/75,4 HP
- **Shovel capacity**: 1,00 m³

**AR 75 e S**
- **Operation weight**: 6280 kg
- **Power**: 55,4 kW/75,4 HP
- **Shovel capacity**: 0,80 m³

**AR 75 e T**
- **Operation weight**: 6000 kg
- **Power**: 55,4 kW/75,4 HP
- **Shovel capacity**: 1,00 m³

**AR 80 e**
- **Operation weight**: 6220 kg
- **Power**: 70 kW/95 HP
- **Shovel capacity**: 1,00 - 1,20 m³

**AR 85 e**
- **Operation weight**: 7000 kg
- **Power**: 80 kW/109 HP
- **Shovel capacity**: 1,30 - 1,40 m³

**AR 90 e / AR 95 e Super**
- **Operation weight**: 7900 kg/8200 kg
- **Power**: 85 kW/115,5 HP
- **Shovel capacity**: 1,40 m³/1,60 m³

**AR 95 e**
- **Operation weight**: 9450 kg
- **Power**: 105 kW/143 HP
- **Shovel capacity**: 1,60 - 1,80 m³

Compliance with the new statutory limits for exhaust emissions is one thing. Deriving tangible benefits for our customers is another. We are proud to have incorporated both in the development of the new generation of wheel loaders.

**Higher power - lower consumption** plus a series of other innovative features that make a genuinely positive difference in a construction site environment. All the features inside are now represented on the outside by a small “e” and the new product name “ATLAS weycor”.

*ATLAS WEYCOR is an ATLAS WEYHAUSEN GMBH brand*