AR 250 e

OPERATING WEIGHT
13,800 kg

ENGINE OUTPUT
160 kW (215 HP)

SHOVEL CAPACITY
2.0 – 4.5 m³
WE’VE TAKEN IT TO THE LIMIT AND WE’VE THOUGHT OUTSIDE THE USUAL BOUNDARIES – AND DONE BUSINESS BEYOND THEM.

Artur Gabriel, Head of Development & Construction on the AR 250e
TYPICAL WEYCOR!
The flexibility of a medium-sized enterprise and an outstanding team spirit combine to produce stellar results.

THE FIRST IMPRESSION
The AR 250e in impressive figures.

XXL EQUIPMENT
Six arguments that make our new wheel loaders unique.

LIMITLESS
The AR 250e feels at home everywhere, in earthworks and civil engineering, materials handling or extraction.

GREAT VIEW
360° all-round view and modern ergonomics to ensure comfort and precision while on the job.

INNOVATIVE!
Powerful hydraulics and the latest control technology for work efficiency.

NUMBERS AND FIGURES
All technical specifications and important data at a glance.

BETTER EQUIPPED
The highlights of the AR 250e are impressive!

MORE FROM LESS
Best engine performance with low fuel consumption.
QUALITY AND RELIABILITY. EVEN IN THE XXL SERIES.

The exceptional flexibility of a medium-sized company and the outstanding team spirit which binds our employees as well as our dealers guarantee a high performance potential for our products. “Short and sweet”, just how we like it in northern Germany: our organisation is clearly structured, our dealers are involved in our ideas, and decisions get made very quickly. We also benefited from this intensive cooperation in the lead up to the new wheel loaders AR 250e and AR 250e. What’s more, the opinions of our customers were also very important to us during the development process and had a positive influence on our decisions. The results are impressive: an XXL construction machine that meets the highest requirements in various application areas. 

The AR 250e – the new power class from Atlas Weyhausen.

AR 200e is the very first wheel loader to be produced in Wildeshausen in 1971. The identifier “AR” stands for “ATLAS Radlader (wheel loaders)” and has been used by customers and dealers as part of the naming process ever since.

AR 70 is the very first wheel loader to be produced in Wildeshausen in 1971. The identifier “AR” stands for “ATLAS Radlader (wheel loaders)” and has been used by customers and dealers as part of the naming process ever since.

First wheel loader with hydrostatic drive

The identifier “AR” stands for “ATLAS Radlader (wheel loaders)” and has been used by customers and dealers as part of the naming process ever since.

New wheel loader concept

Rethinking wheel loaders: with a new design characterised by rounded shapes and a newly developed workplace, the best all-round vision and ergonomic aspects, we are ready for the future.

Compaction equipment from Wildeshausen

Compaction technology is in worldwide demand. In order to reach new markets, we are introducing single drum rollers and tandem rollers into our range. The construction and production take place in Wildeshausen.

Wheel loaders of the e-generation

The new wheel loader generation with the suffix “e” fulfills all the requirements of the stricter emission guidelines – and even surpasses them! In addition, all e-models enjoy a significant increase in performance.

weycor by Atlas Weyhausen // New XXL wheel loaders

From the ATLAS brand comes weycor. The products from Wildeshausen now have a new brand name. Nothing else has changed!

Atlas Weyhausen revealed the AR 250e for the first time at the bauma 2016. The series was launched in April 2017.

Company
FIRST IMPRESSIONS COUNT!

We think the waycor XXL wheel loader is great. But the AR 250e is on a whole other level! With the AR 250e, you get a power class that offers plenty for every application worldwide. It is tailor-made in every detail for your driver’s comfort and work. On top of all this, the engine is extremely strong, leading-edge, environmentally friendly and impressively economical in its consumption.

Dimensions
- Operating weight: 13,800 kg
- Engine output: 160.0 kW
- Model: Deutz diesel engine
- Design: water-cooled
- Max. torque: 900 Nm
- Cubic capacity: 6,057 cm³
- Number of cylinders: 6 in line
- Operating voltage: 24 V
- Fuel capacity: 250 litres

Specifications
- Turning radius around shovel edge: 5,497 mm
- Breakout force: 11,900 daN
- Thrust: 11,600 daN
- Tipping load extended: 8,635 kg
- Tipping load bent: 7,854 kg
- Operating weight: 13,800 kg
- Average sound power level $L_{WA(1)}$: 100.0 dB(A)
- Guaranteed sound power level $L_{WA(2)}$: 101.0 dB(A)
- Sound pressure level $L_{PA(3)}$: 69.0 dB(A)
- Vibration values hand/arm/whole body vibration: *< 2.5/0.5 m/s²

13,800 KG OPERATING WEIGHT
160 KW (215 HP) ENGINE OUTPUT
2.4 M³ STANDARD SHOVEL CAPACITY

Important information about the shovel capacity:
The information in this brochure refers exclusively to the standard shovel. Depending on the specific density of the material, shovels with different capacities are also available. However, not only must a stability test be carried out taking into account the dead weight of the shovel, the varied forces on the hoisting unit must also be considered. Under certain circumstances, it is entirely possible to use shovels with a different volume. In this matter, please always contact your local dealer.

(1) In accordance with 2000/14/EC and Annexes. (2) In accordance with 2000/14/EC and Annexes. (3) In accordance with ISO 6396. (4) In accordance with ISO 8041.
AN XXL SIZE WITH XXL EQUIPMENT

1. 100% electrically-operated differential lock in front and rear axles
   Powerful propulsion and high traction when needed. Wear on tyres is reduced.

2. Work cabin – with maximum all-round visibility
   The curved front windshield, the uninterrupted side window to the right with flush sliding window and the recessed rear windshield provide an extraordinary all-round view.
   The modern ergonomics of the driver’s seat and the optimal accessibility of both the display controller and joystick eliminate work fatigue.

3. Most powerful engine and best power to weight ratio in its class
   Slightly tuned 2-stage drive and unique balance between thrust and lifting power: 160 kW (215 HP) offer significant power reserves.

4. Adjustable pulling force limit with 100% kick-down function – for more power
   Adjust the traction force to any substrate via the weycor controller – and go full power at any time using the weycor joystick by pressing the button for maximum push/pull.

5. Separate inch pedal and the drive pedal function – for greater sensitivity
   Typical for weycor wheel loaders is the separate inch pedal for the sensitive distribution of thrust and lifting forces.
   The use of the accelerator as the drive pedal is just as practical. When using the hand throttle, the engine speed is kept constant; however, the angle in the drive pump is variable, so the thrust can be finely regulated.

6. Extremely compact dimensions and low profile – for excellent visibility
   The total height of an AR 250e with the standard tyre is 3.25 m. The compact design is a continuation of the style from the compact wheel loader series with excellent visibility.
APPLICATION WITHOUT LIMITS

The AR 250e – the “Swiss army knife” of wheel loaders. There are no limits to our new workhorse, from the sandpits to industrial or agricultural use. A mighty engine provides a powerful drive with optimum traction, while the proven and robust weycor kinematics ensure high breakout forces and excellent lifting heights. With the appropriate accessory tool, the AR 250e is at home anywhere.

CIVIL ENGINEERING AND EARTHWORK
Loading shovel
For earthmoving work and transporting all kinds of bulk materials.

MATERIALS HANDLING
Light cargo shovel
Large volume shovel with or without teeth – depending on the density of the material.

EXTRACTION
Heavy duty shovel
Suitable for heavy cargo and earthwork, generally in a reinforced construction and with wear-resistant shovel blade.

RECYCLING
Shovel with hold-down device
A hydraulic hold-down device is used to secure loose or bulky material in the shovel.

AGRICULTURE AND BIOGAS
Agricultural attachments
Whether you need a bulk material shovel, high-tipping shovel, green forage fork or silo removal technology – versatility is a must in agriculture.

FORESTRY
Logging fork
Suitable for loading logs and timber, generally in a fork or hook design.
The cabin in the AR 250e is a completely new experience. We ensure a low sound level and a high level of safety as standard. We also place great importance in optimal 360-degree all-round visibility, so the driver of the AR 250e can always keep their eyes firmly on their work environment.

The display and control elements also provide a good overview. Following an extensive visual field analysis, we ensured the optimal placement of all switches in the cabin, while keeping the display tidy and reduced to the essentials. The cabin interior is rounded off with a well thought-out ventilation system and ergonomic design. The perfect atmosphere for work!

GREAT VIEWS FROM THE CABIN

The curved front windshield, the uninterrupted side window to the right with flush sliding window and the recessed rear windshield provide an extraordinary all-round view – for precise work.

Narrow steering column
The steering column occupies only a third of the entire front and ensures seamless control of the shovel movements.

High safety
In addition to the specifications for ROPS, all FOPS Level 2 safety precautions were also included in the construction of the cabin – for maximum safety.

Low sound level
Thanks to good insulation, we have managed to achieve one of the lowest sound levels on the market. All equipment and elements that produce noise and heat are outside the cabin.

Seat comfort to reduce fatigue
The modern ergonomics of the driver’s seat and the optimal accessibility of both the display controller and joystick eliminate work fatigue.

Carefully considered ventilation
The air filter placement at the highest, dust-free point of the machine guarantees fresh air in the interior. Additionally, an overpressure in the cabin prevents the entrance of pollutants.
**CABIN**

**UNIQUE FIELD OF VISION**
- **Front:** Unobstructed view at floor level without steering column blockage
- **Side and rear:** Perfect all-round vision without the need for a rear-view camera

**CAREFULLY CONSIDERED DISPLAY**
- **Display:** Simplified and clear display for ease of operation
- **Controller:** Variable key fields for driving and working

**ADJUSTABLE STEERING WHEEL**
- **Steering wheel:** Individually adjustable in height and angle – the display swivels with

**INTUITIVE OPERATION**
- **Control & operating elements:** Reduced elements for intuitive operation, joystick moves ergonomically with the seat and fits any hand size

**GENEROUS STORAGE SPACE**
- **Storage options:** Fixed place for Euro boxes – for documents and the driver’s private things, ideal for multi-shift operation
MORE FROM LESS

Powerful drive
- Optional traction via 100% electrically-operated differential lock in front and rear axles.
- Wear-free negative brake
  - Holds the wheel loader securely in position on a slope when the brake or inching function is activated.
  - All four wheels are automatically locked, even when the engine is stopped. The multiple-disc brake runs in an oil bath and is particularly low-maintenance and low-wearing as a result.

Comfortable cabin
- Tired and tested weycor kinematics with high breakout forces and an excellent lifting height.
- Precise distribution of shearing and lifting forces, along with reduced wear and fuel consumption. Unlike a combined braking/inking pedal, the separate inching pedal eliminates the risk of inadvertently activating the main brake. The use of the accelerator as the drive pedal is just as practical. When using the hand throttle, the engine speed is kept constant, however the angle in the drive pump is variable. Here, again, the thrust force is finely regulated.

Easy servicing
- Fast, easy maintenance and upkeep as a result of centrally arranged, easily-accessible service points.

Optional hydraulic quick-change mechanism according to ISO 23727
- Makes it possible to change the attachment in seconds and turns the wheel loader into a real all-rounder.

Articulated joint & floating axle
- For outstanding off-road capability and maneuverability. Unique stability because of the low centre of gravity, even off-road.

Only manufacturer with a separate inching pedal & the drive pedal function
- Precise distribution of shearing and lifting forces, along with reduced wear and fuel consumption. Unlike a combined braking/inking pedal, the separate inching pedal eliminates the risk of inadvertently activating the main brake. The use of the accelerator as the drive pedal is just as practical. When using the hand throttle, the engine speed is kept constant, however the angle in the drive pump is variable. Here, again, the thrust force is finely regulated.

Unique engine mount
- Independent suspension of the engine decoupled from the axle to avoid vibration and noise emission.

The latest kinematics
- Tired and tested weycor kinematics with high breakout forces and an excellent lifting height.

Comfortable cabin
- Safe, fatigue-free working with excellent all-round visibility, clearly arranged instruments and ergonomic design. Readied additional mounting points for optional accessories.

Easy servicing
- Fast, easy maintenance and upkeep as a result of centrally arranged, easily-accessible service points.

Optional hydraulic quick-change mechanism according to ISO 23727
- Makes it possible to change the attachment in seconds and turns the wheel loader into a real all-rounder.

Articulated joint & floating axle
- For outstanding off-road capability and maneuverability. Unique stability because of the low centre of gravity, even off-road.

Only manufacturer with a separate inching pedal & the drive pedal function
- Precise distribution of shearing and lifting forces, along with reduced wear and fuel consumption. Unlike a combined braking/inking pedal, the separate inching pedal eliminates the risk of inadvertently activating the main brake. The use of the accelerator as the drive pedal is just as practical. When using the hand throttle, the engine speed is kept constant, however the angle in the drive pump is variable. Here, again, the thrust force is finely regulated.

Unique engine mount
- Independent suspension of the engine decoupled from the axle to avoid vibration and noise emission.

The latest kinematics
- Tired and tested weycor kinematics with high breakout forces and an excellent lifting height.

Easy servicing
- Fast, easy maintenance and upkeep as a result of centrally arranged, easily-accessible service points.

Optional hydraulic quick-change mechanism according to ISO 23727
- Makes it possible to change the attachment in seconds and turns the wheel loader into a real all-rounder.

Articulated joint & floating axle
- For outstanding off-road capability and maneuverability. Unique stability because of the low centre of gravity, even off-road.

Only manufacturer with a separate inching pedal & the drive pedal function
- Precise distribution of shearing and lifting forces, along with reduced wear and fuel consumption. Unlike a combined braking/inking pedal, the separate inching pedal eliminates the risk of inadvertently activating the main brake. The use of the accelerator as the drive pedal is just as practical. When using the hand throttle, the engine speed is kept constant, however the angle in the drive pump is variable. Here, again, the thrust force is finely regulated.

Unique engine mount
- Independent suspension of the engine decoupled from the axle to avoid vibration and noise emission.

The latest kinematics
- Tired and tested weycor kinematics with high breakout forces and an excellent lifting height.

Easy servicing
- Fast, easy maintenance and upkeep as a result of centrally arranged, easily-accessible service points.

Optional hydraulic quick-change mechanism according to ISO 23727
- Makes it possible to change the attachment in seconds and turns the wheel loader into a real all-rounder.

Articulated joint & floating axle
- For outstanding off-road capability and maneuverability. Unique stability because of the low centre of gravity, even off-road.

Only manufacturer with a separate inching pedal & the drive pedal function
- Precise distribution of shearing and lifting forces, along with reduced wear and fuel consumption. Unlike a combined braking/inking pedal, the separate inching pedal eliminates the risk of inadvertently activating the main brake. The use of the accelerator as the drive pedal is just as practical. When using the hand throttle, the engine speed is kept constant, however the angle in the drive pump is variable. Here, again, the thrust force is finely regulated.
INNOVATIVE HYDRAULICS CONCEPT

Power to perform
The hydraulics concept was developed and carefully coordinated with Bosch Rexroth. Powerful hydraulics and extreme user-friendliness position the new Weycor large wheel loader as a front-runner amongst high-performance loaders of this size.

Flexible working hydraulics
Designed for fast movement at low speeds – the latest control valve technology and high forces ensure efficient work.

Fan drive
On-demand fan drive allows reduced emissions and fuel savings, even at outdoor temperatures of up to 50 °C.

Individual settings
The Weycor display control system and quick-access buttons offer the driver a wide range of possible setting options, including diesel engine speed, flow rate and continuous operation.

Drive
Powerful hydrostatic drive with fine dosing allows working in confined space without using the brake. The drive is optimally tuned to the diesel engine and runs steplessly up to 40 km/h with two drive engines. Both engines are operated up to 14 km/h. After that, the engine with the larger volume is swivelled into the zero position and the complete oil flow is made available only to the second engine with the smaller volume. Thermal problems are thus avoided. In addition, different driving modes (optional) can be set.

Charge mode
Maximum performance at up to 2000 rpm, high speed of work functions and dynamic acceleration and deceleration enable high handling performance.

Pallet mode
Thanks to the high engine speed in this driving mode, the machine is also able to accelerate and decelerate smoothly when the driver needs to drive delicately. This mode can also be used for shovel operation.

ECO mode
The engine speed is limited to 1650 rpm, but almost all the power (145 kW/200 HP) is available. Fuel-efficient working and road travel at full speed are possible.

Pulling force limit
Reduction of the pulling force to adapt to different substrates and to minimise tyre wear. Via the kick-down button on the joystick, the limit can be overridden at any time with 100 % power for a short period.

Speed limit
Limit the maximum speed for certain applications - regardless of the driving mode.

Hand throttle
Pre-selectable engine speed for applications such as snow ploughing, etc. The accelerator pedal serves as the drive pedal in this case and determines the speed of the machine.

Cruise control
Relieve the driver during longer journeys at a constant speed.
INNOVATIVE ENGINE TECHNOLOGY

**TCD 6.1 L6 – intelligent and efficient:**
We have been convinced of the quality of Deutz engines for over 40 years. Our cooperation with Deutz also offers numerous benefits for the AR 250e such as the electronic engine control with intelligent connection to the drive management. This ensures the best engine performance with low fuel consumption. The water-cooled TCD 6.1 L6 diesel engine is at the heart of our new power class.

- **Mighty performance**
  160 kW at a maximum of 2000 rpm

- **Compliance with emission standards**
  Thanks to the exhaust system used, the engine complies with DOC/DPF/SCR Tier IV final and is Tier V ready.

Deutz engine technology: TCD 6.1 L6
Water-cooled 6 cylinder in-line engine with turbocharging, intercooling and cooled external exhaust gas recirculation
The powerful Deutz Common Rail (DCR®) injection system and the electronic motor control (EMR 4) with intelligent connection to the drive management ensure the best engine performance with low fuel consumption. The engines meet the requirements of the EU Stage IV and US EPA Tier 4 standards with DVERT® selective catalytic reduction (SCR) and particle filter (DPF). With the use of the DPF, they are already compliant with the EU Stage V emission standard expected from 2019.

HIGH ENGINE POWER – AT LOW ENGINE SPEED

**Engine power curve**

- **ECO mode**
  For light work and road travel, 40 km/h is reached at 1650 rpm. Maximum of 145 kW available.

- **Powerful fan drive with optional fan reversal for quick cleaning**
  Fan drive with electronic control and optimum efficiency in every speed range thanks to a generously sized variable displacement pump.
  Full fan performance is also available in Eco mode.
**TECHNICAL DATA**

### Engine
- **Model**: Deutz TD 6.1 L6 diesel engine
- **Design**: Water-cooled
- **Output**: **160 kW (215 HP) at 2,000 rpm**
- **Max. torque**: 900 Nm at 1,450 rpm
- **Cubic capacity**: 6,057 cm³
- **Number of cylinders**: 6 in line

### Electrical system
- **Operating voltage**: 24 V
- **Battery**: 24 V / 100 Ah
- **Generator**: 24 V / 100 A
- **Starter**: 24 V / 4 kW

### Drive
- **Maximum load-regulated, hydrostatic drive with pressure cut-off and closed circuit, acting on all 4 wheels. Speed ranges apply to standard tyres.**
- **Operation**: 0-34 km/h
- **Fast speed**: 40 km/h
- **Shifting between 1st and 2nd hydraulic gear and between forward and reverse movement possible while under load. Control of forward/reverse movement and drive levels using weycor joystick. Control of the drive system using the drive pedal and a separate inching pedal for optimal distribution of the hydraulic power to thrust and lifting forces.**

### Braking
- **Operating brake**: Oil bath multi-disc brake, acting on all 4 wheels.
- **Supplementary brake function via the inching pedal and hydrostatic drive, acting on all 4 wheels.**
- **Parking brake**: Negative brake in spring-loaded design, acting on all 4 wheels. When the engine is stopped, the spring-loaded brake is activated.

### Steering
- **Fully hydraulic central articulated steering and rear floating axle**
- **Front and rear wheels run on one track**
- **40° articulation angle both sides**
- **Articulation angle ±12° at rear of vehicle**

### Tyres
- **Standard**: 20.5 R 25 – construction machine tyres for use on relatively soft ground with high traction and good self-cleaning

### Hydraulics
- **Variable displacement pump for loading and steering hydraulics**
- **Priority valve prioritises steering**
- **The 1st and 2nd control circuit are standard**
- **Loading hydraulics hydraulically operated, controlled by weycor joystick, including lockable float position**
- **Operating pressure 280 bar, flow rate 190 l/min**

### Capacities
- **Fuel**: 250 litres
- **Hydraulic oil**: 140 litres
- **Engine oil**: 16 litres
- **Front axle**: 19.2 litres
- **Rear axle**: 19.2 litres
- **Gearbox**: 3.5 litres
- **Coolant**: 35 litres
- **AdBlue**: 20 litres

### Loading equipment
- **Powerful and solid Z-kinematics with high breakout force**
- **Operation of all functions via weycor joystick**
- **Automatic return to digging position**
- **Central dashboard with indicators for pre-warming, engine temperature, battery charging, parking brake, air filter monitoring**
  - **Lifting**: 5.9 s
  - **Lowering**: 4.4 s
  - **Tipping**: 1.8 s

### Equipment
- **Weycor diagnostic system (ADS) for monitoring the machine parameters**
- **Foldable exterior rear-view mirror**
- **Heated rear windshield**
- **Single lever operation via weycor joystick**
- **Driving range display, forward/reverse travel**
- **Vehicle lighting acc. to StVZO (German Highway Code)**
- **Individually adjustable driver’s seat with adjustable right armrest**
- **Water heating with heat exchanger and 3-speed fan**
- **Air conditioning**
- **Adjustable front windscreen ventilation**
- **Soundproofed ROPS cabin**
- **Front and rear working headlights**
- **Windshield wiper and washer system front and rear**
- **Parking brake**
- **Warning lights for engine oil pressure, engine overheat, hydraulic oil temperature, battery charging, parking brake, air filter monitoring**
- **Central dashboard with indicators for pre-warming, engine temperature, fuel supply, operating hours counter**
- **Main battery switch**
- **Lifting arm damping**
- **20 km/h Invittration**
- **Trailer coupling**
- **Special coating**
- **All-round lighting**

### Tyres
- **Standard**: 20.5 R 25 – construction machine tyres for use on relatively soft ground with high traction and good self-cleaning

### Hydraulics
- **Variable displacement pump for loading and steering hydraulics**
- **Priority valve prioritises steering**
- **The 1st and 2nd control circuit are standard**
- **Loading hydraulics hydraulically operated, controlled by weycor joystick, including lockable float position**
- **Operating pressure 280 bar, flow rate 190 l/min**

### Capacities
- **Fuel**: 250 litres
- **Hydraulic oil**: 140 litres
- **Engine oil**: 16 litres
- **Front axle**: 19.2 litres
- **Rear axle**: 19.2 litres
- **Gearbox**: 3.5 litres
- **Coolant**: 35 litres
- **AdBlue**: 20 litres

### Loading equipment
- **Powerful and solid Z-kinematics with high breakout force**
- **Operation of all functions via weycor joystick**
- **Parallel guide for pallet fork operation via optional electrical control**
- **Automatically adjustable and telescopic steering column**
- **Heat-proofed panoramic glass panes**
- **Central dashboard with indicators for pre-warming, engine temperature, battery charging, parking brake, air filter monitoring**
- **Main battery switch**
- **Lifting arm damping**
- **20 km/h Invittration**
- **Trailer coupling**
- **Special coating**
- **All-round lighting**
## TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Without quick-change device standard shovel</th>
<th>With quick-change device and standard shovel</th>
<th>With quick-change device and pallet fork</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyres (D=1486)</td>
<td>20.5 25 XHA2</td>
<td>20.5 25 XHA2</td>
<td>20.5 25 XHA2</td>
</tr>
<tr>
<td>A</td>
<td>7,474 mm</td>
<td>7,732 mm</td>
<td>8,090 mm</td>
</tr>
<tr>
<td>B</td>
<td>3,260 mm</td>
<td>3,260 mm</td>
<td>3,260 mm</td>
</tr>
<tr>
<td>C</td>
<td>5,340 mm</td>
<td>5,520 mm</td>
<td>4,649 mm</td>
</tr>
<tr>
<td>C1</td>
<td>3,016 mm</td>
<td>3,016 mm</td>
<td>3,940 mm</td>
</tr>
<tr>
<td>C2 (45°)</td>
<td>2,888 mm</td>
<td>2,704 mm</td>
<td>1,835 mm</td>
</tr>
<tr>
<td>D</td>
<td>100 mm</td>
<td>100 mm</td>
<td>0 mm</td>
</tr>
<tr>
<td>E (45°)</td>
<td>1,016 mm</td>
<td>1,167 mm</td>
<td>809 mm</td>
</tr>
<tr>
<td>E1</td>
<td>-</td>
<td>-</td>
<td>1,683 mm</td>
</tr>
<tr>
<td>E2</td>
<td>-</td>
<td>-</td>
<td>1,013 mm</td>
</tr>
<tr>
<td>F</td>
<td>401 mm</td>
<td>401 mm</td>
<td>401 mm</td>
</tr>
<tr>
<td>G</td>
<td>3,000 mm</td>
<td>3,000 mm</td>
<td>3,000 mm</td>
</tr>
<tr>
<td>H</td>
<td>2,490 mm</td>
<td>2,490 mm</td>
<td>2,490 mm</td>
</tr>
<tr>
<td>I</td>
<td>2,530 mm</td>
<td>2,530 mm</td>
<td>2,050 mm</td>
</tr>
<tr>
<td>J</td>
<td>-</td>
<td>-</td>
<td>1,756 mm</td>
</tr>
<tr>
<td>K</td>
<td>1,924 mm</td>
<td>1,924 mm</td>
<td>1,924 mm</td>
</tr>
<tr>
<td>L</td>
<td>1,236 mm</td>
<td>1,456 mm</td>
<td>-</td>
</tr>
<tr>
<td>M</td>
<td>3,670 mm</td>
<td>3,670 mm</td>
<td>-</td>
</tr>
<tr>
<td>N</td>
<td>-</td>
<td>-</td>
<td>1,400 mm (fork length)</td>
</tr>
<tr>
<td>R</td>
<td>3,100 mm</td>
<td>3,100 mm</td>
<td>3,100 mm</td>
</tr>
<tr>
<td>R1</td>
<td>5,857 mm</td>
<td>5,857 mm</td>
<td>5,857 mm</td>
</tr>
<tr>
<td>R2</td>
<td>6,100 mm</td>
<td>6,100 mm</td>
<td>6,100 mm</td>
</tr>
<tr>
<td>W</td>
<td>6,258 mm</td>
<td>6,258 mm</td>
<td>6,258 mm</td>
</tr>
<tr>
<td>Y</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Z</td>
<td>-</td>
<td>-</td>
<td>2,356 mm</td>
</tr>
<tr>
<td>α</td>
<td>40°</td>
<td>40°</td>
<td>-</td>
</tr>
<tr>
<td>β</td>
<td>30°</td>
<td>30°</td>
<td>-</td>
</tr>
<tr>
<td>γ</td>
<td>43°</td>
<td>43°</td>
<td>-</td>
</tr>
<tr>
<td>χ</td>
<td>46°</td>
<td>46°</td>
<td>-</td>
</tr>
<tr>
<td>Tipping angle</td>
<td>46°</td>
<td>46°</td>
<td>-</td>
</tr>
<tr>
<td>Tipping angle below</td>
<td>44.8°</td>
<td>45.3°</td>
<td>31°</td>
</tr>
<tr>
<td>Tipping angle transport</td>
<td>47.1°</td>
<td>46.9°</td>
<td>35°</td>
</tr>
<tr>
<td>Tipping angle above</td>
<td>49.3°</td>
<td>49.6°</td>
<td>38°</td>
</tr>
</tbody>
</table>
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model standard features</th>
<th>Tipping load</th>
<th>Shovel capacity (100 % fill factor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>With quick-change device standard shovel (+ 330 kg)</td>
<td>7,957 kg</td>
<td>2.2 m³</td>
</tr>
<tr>
<td>Without quick-change device standard shovel</td>
<td>8,616 kg</td>
<td>2.4 m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model standard equipment + additional weight (+ 250 kg)</th>
<th>Tipping load</th>
<th>Shovel capacity (100 % fill factor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>With quick-change device standard shovel (+ 330 kg)</td>
<td>8,285 kg</td>
<td>2.3 m³</td>
</tr>
<tr>
<td>Without quick-change device standard shovel</td>
<td>8,966 kg</td>
<td>2.5 m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model with pallet fork 7 t</th>
<th>Tipping load</th>
<th>Load capacity 60 %</th>
<th>Load capacity 80 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model standard features</td>
<td>6,210 kg</td>
<td>3,832 kg</td>
<td>5,110 kg</td>
</tr>
<tr>
<td>Model standard equipment + additional weight (+ 250 kg)</td>
<td>6,573 kg</td>
<td>3,986 kg</td>
<td>5,314 kg</td>
</tr>
</tbody>
</table>

(1) When using the default pallet fork

---

Table of specific weights in t/m³

<table>
<thead>
<tr>
<th>Construction industry</th>
<th>Industry</th>
<th>Landscaping, agriculture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>19</td>
<td>Sand (wet)</td>
</tr>
<tr>
<td>Sandstone</td>
<td>15</td>
<td>Ash</td>
</tr>
<tr>
<td>Sand (wet)</td>
<td>2.0</td>
<td>Lignite briquette</td>
</tr>
<tr>
<td>Slate</td>
<td>2.2</td>
<td>Grain</td>
</tr>
<tr>
<td>Sludge</td>
<td>2.4</td>
<td>Iron</td>
</tr>
<tr>
<td>Iron ore</td>
<td>2.1</td>
<td>Hay</td>
</tr>
<tr>
<td>Broken glass</td>
<td>1.9</td>
<td>Compost</td>
</tr>
<tr>
<td>Road salt</td>
<td>1.3</td>
<td>Coal</td>
</tr>
<tr>
<td>Gas coke</td>
<td>0.4</td>
<td>Temper</td>
</tr>
<tr>
<td>Wood</td>
<td>0.8</td>
<td>Flour</td>
</tr>
<tr>
<td>Marl (wet)</td>
<td>2.3</td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td>12</td>
<td>Complete fertiliser</td>
</tr>
<tr>
<td>Pebble</td>
<td>18</td>
<td>Slag (sand)</td>
</tr>
<tr>
<td>Brick (stacked)</td>
<td>17</td>
<td>Peat (wet)</td>
</tr>
<tr>
<td>Paper</td>
<td>0.9</td>
<td>Peat (dry)</td>
</tr>
<tr>
<td>Slag (sand)</td>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td>Slag (solid)</td>
<td>19</td>
<td>Complete fertiliser</td>
</tr>
</tbody>
</table>

Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice, errors expected.

The technical data refer only to the standard version; illustrations do not necessarily show the standard version of the machine.
You can find our current product range and more exciting details at: www.products.weycor.de