

**Weidemann – Your expert partner,  
with the technology of the future**

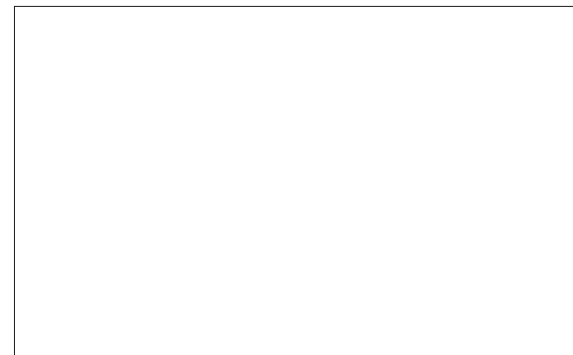


At the beginning of the seventies there appeared a need in agriculture for an economical and universally applicable machine that could handle loading, manure removal and transporting jobs. Weidemann's solution: the Hoftrac®. Today Weidemann is the leading European manufacturer of such machines. Since that time, the main factories at Diemelsee-Flehtdorf and Gotha have produced more than 40,000 machines and implements for use in agriculture, gardening and landscaping, equestrian sports, public facilities and communities, and in industry and construction.

Weidemann's main products are the Hoftrac®, Wheelloaders and Telescopic Loaders. They are sold worldwide through the company's own sales organisation and numerous specialty dealers. The primary markets are in Europe, North America and the Far East.

A full-coverage service network matches the distribution of Weidemann products, providing rapid and expert assistance at all times. Throughout Europe, a 24-hour delivery service for replacement parts supports all of our service partners and end users. Orders placed in the morning ensure delivery the following day.

As your expert partner, Weidemann is always well equipped: Our product line offers excellent conditions: expertise built on extensive experience, skilled employees and forward-looking technology guarantee state-of-the-art products with great customer benefit and excellent quality.



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All specifications refer to series production models tested under normal operating conditions. Additional details can be found in the operating manuals. For reasons of safety we recommend always following the legal regulations of the trade association responsible for the operational purpose and the instructions from Weidemann. These specifications convey a good impression of the particular vehicle and its performance capability, but may be subject to variations in individual cases. The illustrated accessories may vary by market region. Subject to technical changes without prior notice.

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# Wheelloader

## Flexible power packages for every application

## Extraordinary performance figures, high reliability and superior ergonomics



High performance, reliability, ease of operation and toughness – these are the highlights of the Wheelloader series from Weidemann. The compact construction, a wide selection of add-on tools and a flexible choice of high-performance engines match these Wheelloaders consistently to the varied demands of practical use.

Our engineers and designers identify with the demands of our customers; the result is a machine system for professionals, where the product was defined by an optimal relationship of price to performance: low-emission, quiet, nearly maintenance-free engine and transmission technology, low acquisition and operating costs, long life as a result of high-quality workmanship. All of this leads to high retention of value and ultimately to high resale value.

### Advanced technology

The modern design of the Wheelloader series is based on a polished system of different vehicle frames, axles and engines. This makes the right machines available for nearly every area of application. Especially noteworthy is the extraordinary flexibility with the great variety of equipment options. For example, all models can be equipped with folding roll bar, driver canopy or a cab.

### No-wait maintenance

A full-coverage service network provides for rapid and expert assistance at all times. Throughout Europe, a 24-hour delivery service for replacement parts supports all of our service partners and end users. Ordered today – delivered tomorrow: this ensures that you will be able to keep on working without appreciable interruptions.

### First-class ergonomics

Ergonomics is of course a component of the equipment design, because Weidemann builds machines for humans. The adjustable body-conforming seat ensures that working is easy on the back, and in combination with the adjustable steering wheel and the tinted, deeply extended windows it also provides a position that always gives you the best overview. With the multi-function lever you always have everything under control – all of the working and control procedures can be performed with one hand. The advantage is that the driver can concentrate on working, with one hand always on the steering wheel.

### The Wheelloader series: All of the advantages at a glance

- Small turning radius permits working in limited space
- High stability as a result of low centres of gravity and favourable load distribution
- ROPS-tested fold-down roll bar and driver canopy or cab for maximum driver safety
- Comfortable, low-noise cabs with excellent all-around view
  
- Simple handling and concentrated, economical operation: with the multi-function lever, all control operations can be performed with one hand
- Fully sprung, adjustable comfort seat lets you work relaxed and without tiring
- Easy engagement and excellent view of the tool attachments, thanks to the narrow, conically tapered lift frame
- Pilot control of the working hydraulics standard:
- Two powerful lifting cylinders and one sturdy tipping cylinder provide great lifting and biting forces
- Quiet running, dynamic and economical fuel consumption: tough, powerful engines for every need
- Advanced drive designs for quick thrust build-up while keeping the loads on the differential and axle shafts low
  
- Long engine life as a result of a thoughtfully designed air filter system; maximum engine power through external air intake
- Problem-free maintenance and quick service because of tiltable driving platform and swivelling engine cover
- Extensive and well-planned line of accessories for highly varied configurations: the right implement is available for every industry

Something you can count on:  
Efficiency and cost-effectiveness,  
proven a thousand times over!

# 1506

## The ergonomic workplace – More freedom and greater driving comfort

### Compact design

With its great manoeuvrability and low overall height of only around 2.14 m, the 1506 can go almost anywhere. Low passages, tight buildings or complicated routes are not a barrier.

### Powerful engines

With its quiet, 4-cylinder 43 bhp Perkins water-cooled engine, the 1506 has sufficient power reserves to handle even the toughest jobs without problems.

Using the braking-inching pedal, the engine power can be distributed optimally between thrusting force and lifting or biting force. Maintenance and necessary service intervals are child's play. The large engine cover can be pivoted upward and the cab tilted completely back, so that components are freely accessible. The advantage is saved time, lower costs and quick availability for work.

### Numerous possibilities for use due to extensive options

Diversity of equipment is very important at Weidemann: Drive systems with multiple control circuits, rear hydraulics with power take-off, additional independent control circuit with separate valve (tandem pump), load arm damping and soot filters made these machines into true multitaskers.

In addition to many other applications, the 1506 is particularly well suited for use in municipal operations: the broad range of tools extends from sweeping brooms to bar mowers, from street sanders to snow blowers.



Effective control of the machine: steering with one hand while controlling the load arm and tools with the other.

Picture right: the automatic quick-change system provides for comfortable working without lost time



Precise control and exact positioning of the loads using the single-lever control

**Working relaxed and more efficiently:  
fewer vibrations and bumps due to  
shock-absorbing comfort cab**



The low-noise cab – with easy entry on both sides – has large, deeply extended windows for an excellent all-around view. The windows are tinted, providing protection from bright sunshine. The multi-adjustable comfort seat, the adjustable steering column and an individually adjustable armrest enable the operator to find an easeful and fatigue-free sitting position. The thoughtfully designed heating and cooling system always provides a pleasant climate – so that you always have warm feet even in the wintertime and can keep a cool head in the summer, enabling you to work relaxed and at top performance.

Clearly positioned instruments provide information at all times about the operating status of the machine. All control elements are easy to reach and in direct view. Additional features include parallel wipers front and rear, large exterior mirrors, sun visor and a storage bin with drink holder.

## High cost-effectiveness and efficient utilisation over the entire service life

The Wheelloaders are more than just true multi-talents in handling a great variety of tasks, they are also impressive for their high cost-effectiveness – throughout their working lives. Low acquisition and servicing costs, reliability, safe use, sturdiness and solid, high-quality workmanship result in an optimal ratio of cost to benefit. And ultimately to very good value retention, which pays off in high resale value. Examples: First: the hydraulic quick-change system not only gives you great flexibility for highly varied tasks. You also work one step more economically, since you can change the accessories without climbing down, thereby saving one work step. Second: thanks to the tilting cab, routine service intervals can be performed without a great expenditure of time – the machine is quickly available again. Third: low-maintenance components ensure effective utilisation – the loader is in the shop less often and in use more of the time.



## 2006



### Powerful lifting and biting forces

The special kinematics of the lift frame enables the Wheelloader 2006 to develop powerful lifting and biting forces. The lift height of almost 3.20 m is extraordinary. As an option, a telescopic lift frame can be installed that permits a lift height of more than 4.20 m. Both lift frames have exact parallel alignment.

### High-torque engines

Driven by a 50 bps 4-cylinder Perkins engine or a 70 bps 4-cylinder Deutz engine with turbo-charger, the model 2006 has two mighty power plants with plenty of torque available even at low engine speeds. With various axles and a large variety of tire options, the 2006, ranging in width from 1.30 m to 1.70 m, is extremely variable.

### Working safely

Small turning radii and good load distribution ensure high stability, even in very tight spaces. The standard pilot control of the hydraulic system operates extremely delicately. In combination with the precise, smooth steering, you have the loader under control at all times. The two-stage hydrostatic drives guarantee thrust build-up in seconds. Using the braking-inching pedal, you can distribute the engine power optimally between thrusting force and lifting or biting force during the work cycles.

### Effective and economical design

The modular machine design, variety of possible applications, and quick and flexible utilisation of the accessories provide for effective full utilisation of the Wheelloaders. This makes high operating hours and power levels possible and results in good overall cost effectiveness.



High quality workmanship leads to long service and ultimately to high retention of value

# 3006

Quick service in a snap –  
Tilttable cab saves a lot of time

## Variable engines with long service lives

With its three engine variants (Perkins diesel engine with 50 bhp and Deutz diesel engines with 61 or 81 bhp), the Wheelloader 3006 offers the right engine configuration for every use and demand. At the same time, long life is guaranteed by high-volume air filters with internal safety cartridge – even with heavy soiling no contaminated air gets into the engine.

## A variety of axle variants

A variety of axle variants and favourable load distribution guarantee very good stability, even on difficult terrain. The ZF planetary axles with electrically switchable differential pawl convert the drive power optimally into thrust, enabling speeds of 30 kph.

## Ergonomic driver platform

The spacious cabs offer excellent headroom and freedom of movement and satisfy all the requirements for a modern driver's position. The interior is friendly, bright and clearly organised. A thoughtfully designed ventilation system distributes the air completely without drafts and keeps all the windows free of steam and ice. With the multi-functional control lever, all driving and working functions can be performed with one hand.

## Significant lifting heights

With the 3006 also, in addition to the standard lift height of more than 3.30 m a telescopic lift frame is available that permits a lift height of more than 5.00 m. The load arm is shaped in such a way that an excellent view of the tool is ensured, even when the arm is raised.



The comfortable cab offers a good all-around view and simplicity of operation



Powerful engines with plenty of torque ensure powerful and rapid thrust build-up

Typical for Weidemann is the longitudinal installation of the engines, with wide-opening engine cover and side-tilting cab. The engine cover is open in just one step – all of the necessary components for routine maintenance are readily accessible. For more extensive service, the cab can be tilted to the side on all machine models. That is accomplished effortlessly and without great exertion of force, since the tilting is supported by a gas pressure cylinder. All of the important parts of the engine and hydraulic system are then optimally accessible: short servicing means shorter down times and greater cost-effectiveness.

Servicing of the components is confined to a minimum; for example, coarse fouling of the coolers is prevented from the start by the fact that the cooling air enters from the side through fine screens and is deflected efficiently. Another plus for high cost-effectiveness.

High out in front – Optimal lifting and dumping heights with advanced frame kinematics



The Wheelloader Series 4004/4204 offers impressive lifting and biting forces: the Model 4004 can handle 4,000 kg at the highest loading point at a standard lift height of 3.40 m, and the Model 4204 can handle no less than 4,200 kg at 3.65 m. Even at these heights, the powerful hydraulic system and the torsion-resistant load arm with its specific Z-kinematics still ensures precise positioning of heavy loads.

In spite of their tremendous power, the 4004 and 4204 are compactly built, with an excellent view of all tools. A turning radius of just 2 m guarantees that the machine can work unhindered even in very small spaces. Whether loaded or unloaded, a balanced load distribution provides for a low centre of gravity and outstanding driving comfort, so that the operator has the loader under control at all times.

# 4004 · 4204



**High-power turbo engines**  
Optionally powered by an oil- and air-cooled 70 bhp 4-cylinder Deutz turbo engine or a water-cooled 100 bhp 4-cylinder Perkins turbo-engine, the Wheelloader Series 4004 and 4204 has sufficient reserve power for even the toughest jobs. The two-stage fully hydrostatic drive allows continuously adjustable travel speeds up to an optimal maximum speed of 30 kph. The engine power can be divided optimally between driving and lifting.

With the automatic power regulation with pressure cut-off, neither the engine nor the hydraulic system can be overloaded. The service brake, operated via the inching function, is wear-free.

Wheel portals on the axles provide only for high torque levels and thus for high thrust forces, but also for protecting the drive assemblies, because the full torque takes effect only at the wheel.



**Convenient operation is standard**  
The standard configuration includes the one-hand control with multi-function lever, as well as adjusting steering column and comfort seat with adjustable armrest. The total package allows excellent driving convenience and simple handling, even with frequent tool changes – thanks to the hydraulic quick-change system.

**Varied areas for use**  
The outstanding parallel alignment of the lift frame enables the Wheelloaders to work precisely with both shovels and pallet forks. In addition to proven standard tools, feed metering shovels, sweeping machines, post hole drills, sickle mowers and many other implements are available as accessories, so that the loaders are outstandingly suited for operation in nearly all sectors.



The specific Z-kinematics of the lift frame makes tremendous biting forces possible, even at great lift heights

**Pilot-controlled working hydraulics and smooth steering guarantee simple and precise handling**

## 1506

Engine	
4-cylinder Perkins diesel engine	■
Engine type 104-19	■
Maximum power (kW/bhp) at rpm	32/43 2800
Displacement (cm <sup>3</sup> )	1995
Cooling system (water-cooled)	■
Fuel capacity (l)	40

Hydraulic system	
Driving hydraulics	
Flow rate (l/min)	84
Working pressure (bar)	450
Working hydraulics	
Flow rate (l/min)	48
Working pressure (bar)	185
Hydraulic oil (l)	53
Steering hydraulics	
Working pressure (bar)	190

Vehicle data	
Operating weight (kg)	2440
Driving speed (km/h)	0-20
Working voltage	12 Volt
Battery	66 AH

Dimensions	
Overall length with standard shovel	4183
Height to top of cabin	2141
Total working height	3487
Total width	1245
Width across cabin	1010
Inside turning radius	822
Lifting capacity max. (daN)	2516
Lift height (implement-pivot point)	2851

Tipping loads (kg)	
Tipping load in shovel	
Machine straight, load arm horiz.	Axle SP 106 1845
Machine at angle, load arm horiz.	1395
Tipping load in pallet fork	
Machine straight, load arm horiz.	1466
Machine at angle, load arm horiz.	1108

## 2006

Engine	
4-cylinder Perkins diesel engine (water-cooled)	■
Engine type 404-22	■
Maximum power (kW/bhp) at rpm	37,3/50 2800
Displacement (cm <sup>3</sup> )	2216
4-cylinder Deutz turbo-engine (oil/air-cooled/turbo)	■
Engine type BF4L 2011 F	■
Maximum power (kW/bhp) at rpm	51/70 2500
Displacement (cm <sup>3</sup> )	2730
Fuel capacity (l)	40

Hydraulic system	
Driving hydraulics	
Flow rate (l/min)	84/75
Working pressure (bar)	450
Working hydraulics	
Flow rate (l/min)	57/60
Working pressure (bar)	210
Hydraulic oil (l)	63
Steering hydraulics	
Working pressure (bar)	190

Vehicle data	
Operating weight (kg)	3440
Driving speed (km/h)	0-20
Working voltage	12 Volt
Battery	88 AH

Dimensions	
Overall length with standard shovel	4690
Height to top of cabin	2287
Total working height	3907
Total width	1270
Width across cabin	1010
Inside turning radius	980
Lifting capacity max. (daN)	3706
Lift height (implement-pivot point)	3218

Tipping loads (kg)	
Tipping load in shovel	
Machine straight, load arm horiz.	2497
Machine at angle, load arm horiz.	1822
Tipping load in pallet fork	
Machine straight, load arm horiz.	1466
Machine at angle, load arm horiz.	1428

## 3006

Engine	
4-cylinder Perkins 404-22 (water-cooled)	■
Maximum power (kW/bhp/at rpm)	37,3/50/2800
Displacement (cm <sup>3</sup> )	2216
4-cylinder Deutz F4M 2011 F (medium-cooled)	■
Maximum power (kW/bhp/at rpm)	45/61/2500
Displacement (cm <sup>3</sup> )	3108
4-cyl. Deutz BF4M 2011 F (medi.-cooled/turbo)	■
Maximum power (kW/bhp/at rpm)	60/81/2500
Displacement (cm <sup>3</sup> )	3108
Fuel capacity (l)	80

Hydraulic system	
Driving hydraulics	
Flow rate (l/min)	120/108
Working pressure (bar)	400
Working hydraulics	
Flow rate (l/min)	57/60
Working pressure (bar)	210
Hydraulic oil (l)	90
Steering hydraulics	
Working pressure (bar)	190

Vehicle data	
Operating weight (kg)	4490
Driving speed (km/h)	0-20
Option	0-30
Working voltage	12 Volt
Battery	88 AH

Dimensions	
Overall length with standard shovel	5285
Height to top of cabin	2417
Total working height	3954
Total width	1570
Width across cabin	1010
Inside turning radius	1609
Lifting capacity max. (daN)	4136
Lift height (implement-pivot point)	3307

Tipping loads (kg)	
Tipping load in shovel	
Machine straight, load arm horizontal	2882
Machine at angle, load arm horizontal	2478
Tipping load in pallet fork	
Machine straight, load arm horizontal	2379
Machine at angle, load arm horizontal	2045

## 4004/4204

Engine	4004	4204
4-cylinder Deutz turbo-engine (oil/air cooled)	■	■
Engine type BF4L 2011 F	■	■
Maximum power (kW/bhp) at rpm	51/70 2500	51/70 2500
Displacement (cm <sup>3</sup> )	2730	2730
4-cylinder Deutz turbo-engine (water-cooled)	■	■
Engine type 1004-40T	■	■
Maximum power (kW/bhp) at rpm	74,5/100 2100	74,5/100 2500
Displacement (cm <sup>3</sup> )	3990	3990
Fuel capacity (l)	100	100

Hydraulic system	4004	4204
Driving hydraulics		
Flow rate (l/min)	140/118	140/118
Working pressure (bar)	420	420
Working hydraulics		
Flow rate (l/min)	70	80/95
Working pressure (bar)	210	210
Hydraulic oil (l)	70	70
Steering hydraulics		
Working pressure (bar)	190	190

Vehicle data	4004	4204
Operating weight (kg)	5660	6050
Driving speed (km/h)	0-20	0-20
Option	0-30	0-30
Working voltage	12 Volt	12 Volt
Battery	110 AH	110 AH

Dimensions	4004	4204
Overall length with std. shovel	5500	5905
Height to top of cabin	2620	2620
Total working height	4200	4428
Total width	1750	1750
Width across cabin	1155	1155
Inside turning radius	2013	2013
Lifting capacity max. (daN)	5496	5954
Lift height (implement-pivot pt.)	3322	3655

Tipping loads (kg)	4004	4204
Tipping load in shovel		
Machine straight, load arm horiz.	4243	3710
Machine at angle, load arm horiz.	3793	3319
Tipping load in pallet fork		
Machine straight, load arm horiz.	3556	3147
Machine at angle, load arm horiz.	3179	2815



## Wheelloader 1506

4-cylinder Perkins engine  
32 kW/43 bhp



## Wheelloader 3006

4-cylinder Perkins diesel engine 37.3 kW/50 bhp  
4-cylinder Deutz diesel engine 45 kW/61 bhp or 60 kW/81 bhp



## Wheelloader 2006

4-cylinder Perkins diesel engine 37.3 kW/50 bhp  
4-cylinder Deutz diesel engine 51 kW/70 bhp



## Wheelloader 4004/4204

4-cylinder Deutz turbo-engine 51 kW/70 bhp  
4-cylinder Perkins turbo-engine 74.5 kW/100 bhp

Do you need more detailed information? –  
Give us a call or request our data sheets  
on the Wheelloader line.