

Wheel loaders
Telescopic wheel loaders



WEIDEMANN
designed for work



The powerful wheel loader.

Available either with loading arm or telescopic boom.



An essential part of your business.

The Weidemann wheel loaders and telescopic wheel loaders make every work operation even more productive. In addition to a high level of functionality and working comfort as well as excellent safety standards, they feature a great deal of strength and endurance. Weidemann offers you this environmentally sound series with engine technology that always meets the latest emission standards.

Wheel loader – optionally available with loading arm or telescopic arm.

Impressive lifting capacity and modern engine technology.

A feel-good working area.
More on pages 14–17

Efficient tool change.
More on page 7

A high degree of serviceability with the laterally tiltable cab.
More on page 12

The powder coating provides excellent corrosion resistance.
More on page 18

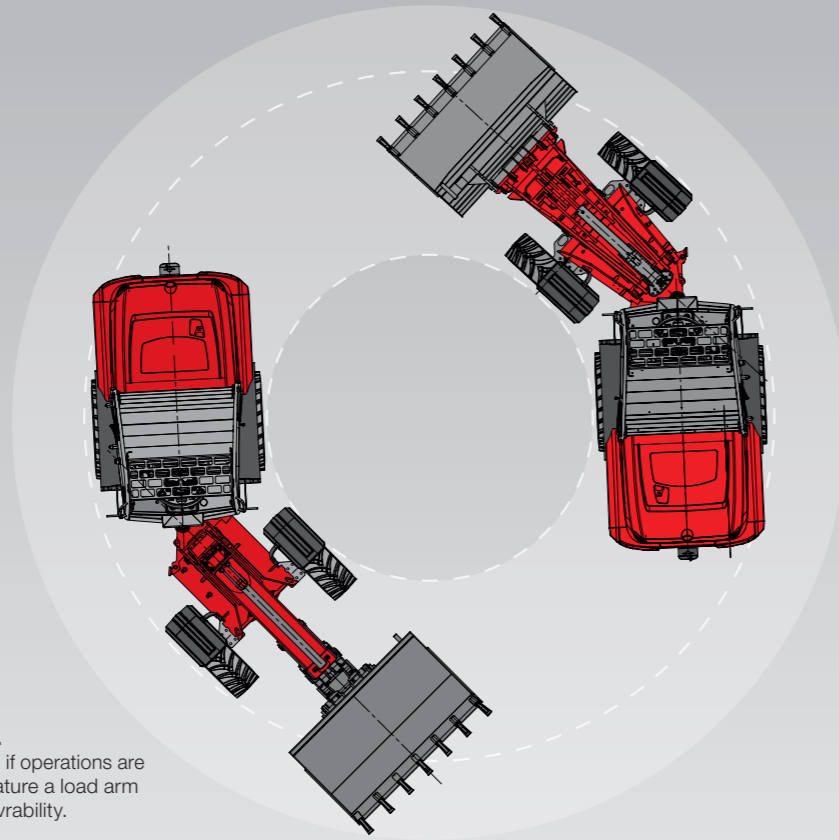
Economic efficiency through modern technology.
More on pages 8–9

Road capability with articulated pendulum joint.
More on page 6



The basic Weidemann virtues.

Agile, multi-functional, and suitable for all terrains.



Large machines with a high level of manoeuvrability.

Even big machines sometimes encounter small spaces (e.g. if operations are to be done in stables and storage facilities). Our models feature a load arm and telescopic arm with small radius and optimal manoeuvrability.



A multi-tool for various applications.

Regardless of whether you are feeding, mucking out, sweeping, stacking or transporting: thanks to the various attachments, your Weidemann wheel loader becomes a universal multi-tool. You can find more about this on pages 20–23.



The backbone of the Weidemann design: The legendary articulated pendulum joint.

Weidemann wheel loaders always have all four wheels on the ground – in any situation, and on any terrain. Because the front and rear carriage can oscillate independently of each other, they react sensitively to every unevenness. The benefits: You always drive with maximum traction and no power is wasted.



Variety in the outfitting.

The Weidemann wheel loaders and telescopic wheel loaders feature comprehensive and sturdy standard equipment. Depending on application, the engine, drive, operator's compartment, and hydraulics can be individually configured. Your Weidemann is always custom-made. A selection of the standard equipment and options available can be found on pages 24–27 and at www.weidemann.de.



Efficiently change attachments.

Thanks to the hydraulic quick-change system, attachments can be readily exchanged. Your Weidemann machine is therefore always ready for use. This increases productivity and profitability.



The new engine technology.

In addition to integrating an exhaust after-treatment in the form of a particulate filter, adapting the machines to stage IIIB or IV also requires optimization of the cooling capacity. This is achieved through a cooled exhaust gas recirculation. A positive side effect is that these new components not only reduce emissions but also greatly improve the performance of the machines and reduce fuel consumption by approx. 5% – convincing arguments!

The ceramic filter, which filters out a great deal of harmful soot particles, is automatically regenerated by burning out the deposited particles during operation – without restrictions for man and machine. These changes to the engine technology and exhaust system make the integration of additional components necessary. Components for the exhaust after-treatment and additional cooling equipment that require more space in the engine compartment are therefore added to the engine. At Weidemann, this is visible in the form of our new and dynamic engine cover design.



The Weidemann diagnosis and analysis system.



New emission standard – new engine technology.

With Weidemann, you are well equipped for the future!

Since 1990, there have been specific emission regulations for non-road and mobile work machines. The five-stage plan provides for a gradual reduction of engine emissions for different power classes. In Europe, the steps to reduce emissions are referred to as stages of levels (I, II, IIIA, IIIB, and IV). In the US, they are referred to as tiers (1, 2, 3, 4interim, 4 final, and 5). Every level has a maximum permissible limit for the following pollutants:

- Nitrogen oxide (NOx)
- Carbon monoxide (CO)
- Hydrocarbons (HC)
- Particulate matter (PM)/soot particles

At Weidemann, we have recently completed stages I to IIIB for pollutant reduction. However, new and stricter thresholds in Levels IV and V are waiting to be met. However, because we would like to adapt our machines to the new legal situation and continue to develop our machines, we have put a great deal of developmental work and know-how into the new machine types.

Hot on the trail for errors with wedias.

The new engine technology involves new systems for maintenance and analysis. The sometimes drawn-out search for hidden errors belongs to the past. Thanks to the Weidemann diagnostic and analytical system, wedias, which has been incorporated into new machine types 2080 through 5080, many features such as the driving function, telescoping function, the 3rd and 4th control circuits, and the electrical functions can be quickly and unambiguously evaluated.

Error messages in the display immediately notify the driver of possible errors and make a rapid response possible. Thanks to the exact designation of the error number, the dealer can come to the machine prepared and with the right spare parts. The subsequent error analysis by trained dealers simplifies further diagnosis and troubleshooting. This saves time, money and nerves.

Economic efficiency that's worth it.

Efficient work operation thanks to reliable technology.



Work economically.

Economic efficiency is currently one of the most important features that wheel loaders should bring to your business. The faster and more time-saving a wheel loader can manoeuvre, the higher its performance. For the wheel loaders of Weidemann, economy means technically sophisticated solutions such as large lift height, strong tensile force, high stability, and an efficient quickhitch system for attachments.



Connectible 100% differential lock.

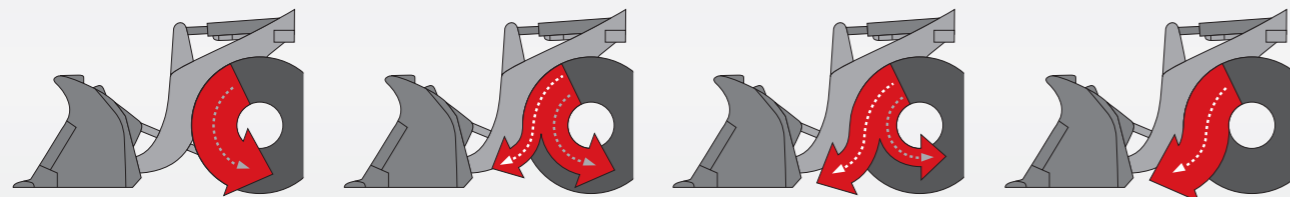
The connectible 100% differential lock provides maximum traction and thrusting force if necessary. It also keeps the tyre wear low (switched off during normal operation). This increases the efficiency of your machine!



Machine with trailer.

Thanks to the trailer coupling, all Weidemann wheel and telescopic wheel loaders can pull a trailer with a total weight between 5 and 8 t – depending on the model. In Germany, the machine must be approved as a self-pro-

pelled work machine with trailer coupling or as a tractor. To find out about international regulations, please contact your local Weidemann distributor.



The brake-inch pedal.

In Weidemann machines, the hydrostatic all-wheel drive is combined with the brake pedal. Through the inching, this enables creeping until standstill. With the brake-inch pedal, it is possible to travel at millimetre precision in crawler gear at full engine speed while quickly lifting. If the pedal is pushed further, the machine will stop. The advantage of

the brake-inch pedal is the optimal distribution of the engine output. Stalling of the engine is also not possible.



Considerable lifting power and tensile forces through an over-sized hydraulic cylinder.

On all Hoftracs® and wheel loaders, Weidemann always includes two strong lift cylinders. This ensures that the load distribution is always optimally changed over to the load arm. The entire loader unit also gains



stability. Telescopic wheel loaders and telehandlers feature powerful lift cylinders. The size of the hydraulic cylinder is always adapted to the size of the respective machine. This is gentle on both machine and material.

Choose your operator's compartment.

Smart solutions for all operating conditions.

Wheel loaders and telescopic wheel loaders.

The Weidemann machines of the 2080 through 5080 are equipped with a cab (standard). The spacious cabs feature considerable freedom of movement. It also fulfils the current European Machine Directive (2006/42/EC) on ROPS and FOPS protection. Thanks to the complete glazing, the operator has an excellent overview of the attachments and the entire working area.

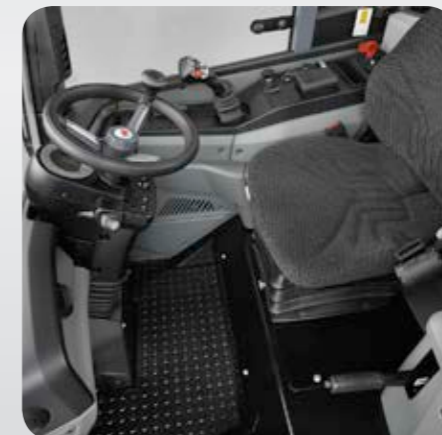


The Weidemann LP models.

At Weidemann, LP stands for "Low Position". Thanks to the lower operator's stand and seat position, the machine has a lower overall height. It can readily travel through narrow passages. It also allows the operator easy entry and shifts the centre of gravity towards the ground. The Weidemann LP models come standard with an operator's canopy, which meets the current European machine directive (2006/42/EC) for ROPS and FOPS protection. You can choose from various versions of the operator's canopy and cab. The LP construction is not available for the 5080 or 5080T.

Only at Weidemann: Laterally tiltable cab.

The models of the wheel loader and telescopic wheel loader series are equipped with a tiltable cab. This allows easy access to the engine, hydraulic system, and electronics. This facilitates maintenance of the machine. The engine hood can be opened widely, thereby allowing for optimal access.



Simple maintenance of the LP models.

For the LP models, the operator's compartment is not laterally tiltable. To allow access to the engine, hydraulic system and electronics, the machine is equipped with various access panels. The operator's seat can also be readily removed.

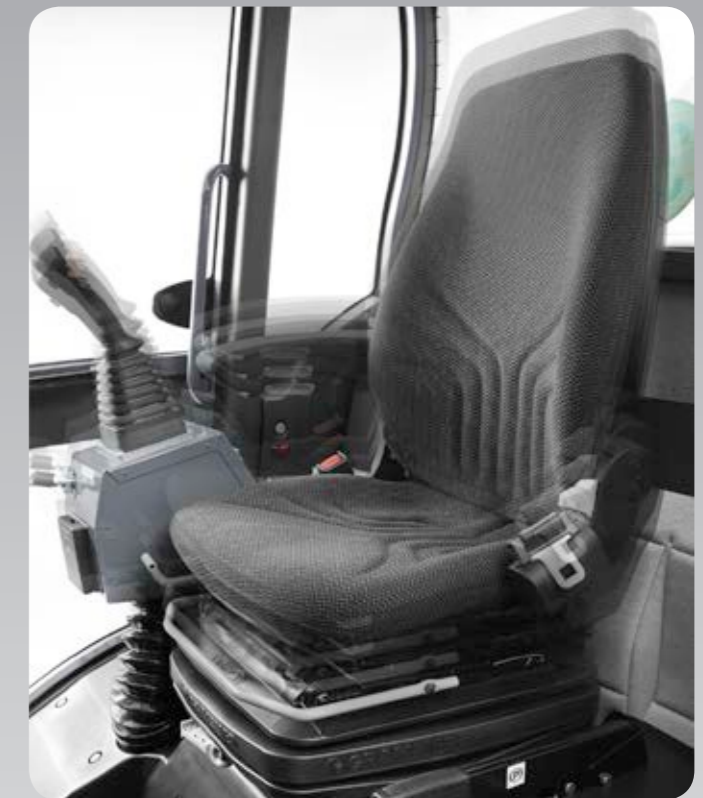
High level of operating and driving comfort.

Optimal visibility and good working environment.



Good all-round view.

The glazed cabin provides an excellent overview of the attachments, the immediate working area, and the entire machine surroundings.



Adjustable operator's seat.

The operator's seat is adjustable, ergonomically formed, and well suspended. The joystick console including armrest forms a unit with the operator's seat and is adjustable (not in LP models). The optional air-suspended comfort seat provides for fatigue-free work. The seats are heated for working in cold conditions.



Ventilation as required.

The cabs feature large, wide-opening doors on both sides. The upper window can fold up completely and be locked. A gap ventilation is also possible.



Comfortable working environment.

An excellent working environment thanks to an efficiently working heating and ventilation system featuring a blower, fresh air filter, and well-placed air nozzles. In warm temperatures, an air-conditioning system is recommended.

A motivating working area.

Ergonomic operator's controls and simple handling.

The joystick offers easy one-hand operation.

The joystick of the 20 to 50 classes becomes an all-rounder, and the machine's ease of use is increased even further. In addition to the functioning of the 3rd proportional control circuit, the continuous operation of the 3rd control circuit can be activated via the toggle switch by deflecting the scroll wheel in both directions.

For the wheeled loaders, the function of the 4th control circuit can also be operated proportionally via the joystick. For the telescopic wheel loaders, the telescoping is possible via the scroll wheel. The operating speed can thus be individually adjusted.

Both electrical functions can also be operated on the joystick in a detenting or latching manner. Both electric functions are independent so that they can be individually configured by the operator.



Adjustable steering wheel/steering column.

Thanks to the adjustable steering wheel/steering column, you can adjust the operator's compartment to your physical dimensions. By adjusting the various operator's controls, you can create a completely ergonomic working area.



Vibration-damped working area.

Vibrations and impacts are absorbed by the machine. Your body is protected, and you can also work longer in a much more relaxed and focused manner.



The main functions always in sight.

With the digital display, you obtain an overview of your machine. In addition to temperature, tank filling, or operating hours, active functions (e.g. electrical functions, the continuous operation of the 3rd control circuit, or the activated differential lock) are displayed in the cab.



Our quality promise.

Weidemann offers true German-made quality.

At Weidemann, quality is not an empty promise. A true Weidemann comes from one of the most modern wheel and telehandler production facilities in Europe. The plant in Korbach guarantees a consistently high quality of our products. At Weidemann, quality begins early on because compliance with defined processes is taken seriously. Purchased parts supplied to production are continually monitored, tested, and optimised in co-operation with suppliers.

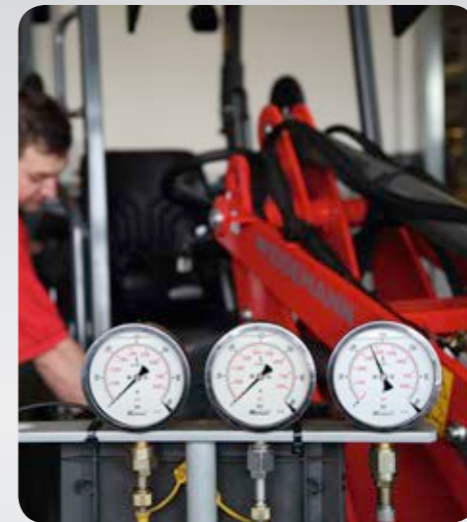
Powder-coating.

The powder-coating is another key feature of the special quality standard at Weidemann. This guarantees optimum protection against corrosion. In comparison to conventional wet painting, it greatly extends the service life of the machine. It is also more efficient and environmentally friendly.



Careful final inspection.

Every Weidemann that leaves our factory is subjected to a careful final inspection. This guarantees our customers a long service life and low operating costs from the onset. The Weidemann label means quality.



DIN EN ISO 9001.

This standard is recognised internationally. With a certified system in accordance with international standard ISO 9001, Weidemann ensures that a focus on quality is reflected in all thoughts and actions within the company and that customers receive machines of certified quality.



Weidemann wheel loader.

Performance cannot be any more convincing.



Your Weidemann telescopic wheel loader.

Unbeatable in daily application.



Your Weidemann wheel loader.

Individually designed and built as required.

With Weidemann, you are on the safe side – we offer you our wheel loaders already with good, comprehensive and heavy-duty standard equipment. With our different options, you

can also assemble your machine in terms of operation, tyres, hydraulics and the operator's compartment so that it is completely customised to you, your business, and your work tasks.



2070LP



2080



3080LP



3080



4080LP



4080



5080

Standard equipment and options.

	2070LP	2080	3080LP	3080	4080LP	4080	5080
DRIVE SYSTEM							
Hydrostatic drive via transfer gearbox and universal joint shaft	●	●	●	●	●	●	●
100% differential lock, electro-hydraulically connectible on front and rear axle	●	●	●	●	●	●	●
Driving speed 20 km/h	●	●	●	●	●	●	●
Speed increase to 28 km/h	○	○	-	-	-	-	-
Speed increase to 30 km/h	-	-	○	○	○	○	○
HYDRAULICS							
Mechanically controlled joystick with forward-reverse control and integrated touch button for differential lock	●	-	●	-	●	-	-
Hydraulically controlled joystick with forward-reverse control and integrated touch button for differential lock	-	●	-	●	-	●	●
3 rd front control circuit, mechanical	●	-	●	-	●	-	-
3 rd front control circuit, electric, proportional	○	●	○	●	○	●	●
Work hydraulics of large pump (depending on model, between 58.5 l and 103 l)	○	○	○	○	○	-	-
3 rd or 4 th control circuit	○	-	-	-	-	-	-
Fourth additional control circuit (incl. separate control valve, four-fold valve or electric, proportional, parallel)	○	○	○	○	○	○	○
Third or fourth flow sharing control circuit (100 l, 115 l)	-	-	-	-	-	○	○
High flow single-acting (100 l, 115 l)	-	○	○	○	○	-	-
High flow load-sensing (150 l)	-	-	-	-	-	○	○
Unpressurized reverse travel in front/rear	○	○	○	○	○	○	○
Rear hydraulic connection also single-acting	○	-	-	-	-	-	-
Rear hydraulic connection double-acting proportional, 3 rd control circuit via reversing valve	-	○	○	○	○	○	○
Rear hydraulic connection double-acting, including separate control valve	-	○	○	○	○	○	○
Lowering brake valve (hose burst valves for lift and tipping cylinders)	○	○	○	○	○	○	○
Lifting arm damping	○	○	○	○	○	○	○
KINEMATICS							
Z kinematics	-	-	●	●	●	●	●
P-Z linkage	●	●	-	-	-	-	-
DRIVER'S CABIN							
Operator's canopy incl. front and rear window, ROPS and FOPS tested	●	-	●	-	●	-	-
Cab with heating, ventilation, and windshield; ROPS and FOPS-tested	○	●	○	●	○	●	●
Cab laterally tiltable	-	●	-	●	-	●	●
Adjustable steering wheel/steering column	●	●	●	●	●	●	●
4 working lights mounted to the driver's cabin	●	●	●	●	●	●	●
4 LED working lights mounted to the driver's cabin	○	○	○	○	○	○	○
Lighting system in accordance with road traffic licensing regulations	○	●	○	●	○	●	●
Comfort seat with safety belt suspended	●	●	●	●	●	●	●
Comfort seat with safety belt air-suspended	○	○	○	○	○	○	○
Seat heater	○	○	○	○	○	○	○
Air-conditioning system	-	○	○	○	○	○	○
OTHER							
Battery isolator switch	●	●	●	●	●	●	●
Fully automatic central lubrication unit	○	○	○	○	○	○	○
Hydraulically activated quick-change system for attachment	●	●	●	●	●	●	●
Stainless steel steering lock	●	●	●	●	●	●	●
Electrical connection in front	○	○	○	○	○	○	○
Electrical connection in rear	○	○	○	○	○	○	○
Industrial Supervisory Board certificate (addendum in vehicle documentation)	○	○	○	○	○	○	○

● Standard ○ Option - Not possible

The illustration shows a selection of standard equipment and options. More detailed information about standard equipment and options can be obtained from your Weidemann distributor. More information can be found at www.weidemann.de

Your Weidemann telescopic wheel loader.

Aiming high with individual options.

With Weidemann, you are on the safe side – we offer you our telescopic wheel loaders with good, comprehensive, and heavy-duty standard equipment. With our different options,

you can also assemble your machine in terms of drive, tyres, hydraulics and the operator's cab so that it is completely customized to you, your business, and your work tasks.



2070LPT



2080T



3080LPT



3080T



4080LPT



4080T



5080T

Standard equipment and options.

	2070LPT	2080T	3080LPT	3080T	4080LPT	4080T	5080T
DRIVE SYSTEM							
Hydrostatic drive via transfer gearbox and universal joint shaft	●	●	●	●	●	●	●
100% differential lock, electro-hydraulically connectible on front and rear axle	●	●	●	●	●	●	●
Driving speed 20 km/h	●	●	●	●	●	●	●
Speed increase to 28 km/h	○	○	-	-	-	-	-
Speed increase to 30 km/h	-	-	○	○	○	○	○
HYDRAULICS							
Mechanically controlled joystick with motion direction control and integrated touch button for differential lock	●	-	●	-	●	-	-
Hydraulically controlled joystick with motion direction control and integrated touch button for differential lock	-	●	-	●	-	●	●
3 rd front control circuit, mechanical	●	-	●	-	●	-	-
3 rd front control circuit, electric, proportional	○	●	○	●	○	●	●
Work hydraulics of large p (depending on model, between 58.5 l and 103 l)	○	○	○	○	○	-	-
Third or fourth control circuit	○	-	-	-	-	-	-
Fourth additional control circuit (incl. separate control valve, four-fold valve or electric, proportional, parallel)	○	○	○	○	○	○	○
Third or fourth flow sharing control circuit (100 l, 115 l)	-	-	-	-	-	○	○
High flow single-acting (100 l, 115 l)	-	○	○	○	○	-	-
High flow load-sensing (150 l)	-	-	-	-	-	○	○
Depressurized front return flow	●	●	●	●	●	●	●
Unpressurized reverse travel in rear	○	○	○	○	○	○	○
Rear hydraulic connection also single-acting	○	-	-	-	-	-	-
Rear hydraulic connection double-acting proportional, 3 rd control circuit via reversing valve	-	○	○	○	○	○	○
Rear hydraulic connection double-acting, including separate control valve	-	○	○	○	○	○	○
Lowering brake valve (hose burst valves for lift and tipping cylinders)	●	●	●	●	●	●	●
Lifting arm damping	○	○	○	○	○	○	○
LOADING SYSTEM							
Telescopic arm	●	●	●	●	●	●	●
DRIVER'S CABIN							
Operator's canopy incl. front and rear window, ROPS and FOPS tested	●	-	●	-	●	-	-
Cab with heating, ventilation, and windshield; ROPS and FOPS-tested	○	●	○	●	○	●	●
Cab laterally tiltable	-	●	-	●	-	●	●
Adjustable steering wheel/steering column	●	●	●	●	●	●	●
4 working lights mounted to the driver's cabin	●	●	●	●	●	●	●
4 LED working lights mounted to the driver's cabin	○	○	○	○	○	○	○
Lighting system in accordance with road traffic licensing regulations	○	●	○	●	○	●	●
Comfort seat with safety belt suspended	●	●	●	●	●	●	●
Comfort seat with safety belt air-suspended	○	○	○	○	○	○	○
Seat heater	○	○	○	○	○	○	○
Air-conditioning system	-	○	○	○	○	○	○
OTHER							
Battery isolator switch	●	●	●	●	●	●	●
Fully automatic central lubrication unit	○	○	○	○	○	○	○
Hydraulically activated quick-change system for attachment	●	●	●	●	●	●	●
Stainless steel steering lock	●	●	●	●	●	●	●
Electrical connection in front	●	●	●	●	●	●	●
Electrical connection in rear	○	○	○	○	○	○	○
Industrial Supervisory Board certificate (addendum in vehicle documentation)	○	○	○	○	○	○	○

● Standard ○ Option - Not possible

The illustration shows a selection of standard equipment and options. More detailed information about standard equipment and options can be obtained from your Weidemann distributor. More information can be found at www.weidemann.de

Specifications of wheel loader.

	2070LP	2080	3080LP	3080	4080LP	4080	5080
ENGINE DATA							
Engine manufacturer	Perkins	Perkins	Perkins	Deutz	Deutz	Perkins	Perkins
Type of engine (optional)	404 D-22	404 D-22 (404 F-22T)	404 D-22 (404 F-22T)	TCD 2.9 L4	TCD 2.9 L4	854E-E34TAWF	854E-E34TAWF
Cylinders	4	4	4	4	4	4	4
Max engine output (optional) kW	35.7	36.3 (44.7)	35.7 (44.7)	55.4	55.4	75	86
Max engine output (optional) HP	49	50 (60)	49 (60)	75	75	102	117
At max. speed rpm	2,600	2,800	2,600 (2,800)	2,300	2,300	2,500	2,500
Displacement cm ³	2,216	2,216	2,216	2,900	2,900	3,400	3,400
Type of coolant	Water	Water	Water	Water/charge air	Water/charge air	Water/charge air	Water/charge air
Emissions standard level (optional)	IIIA	IIIA (IIIB)	IIIA (IIIB)	IIIB	IIIB	IIIB	IIIB
Exhaust after treatment (optional)	-	- (DPF)	- (DPF)	DOC (DPF)	DOC (DPF)	DPF	DPF
ENGINE DATA (OPTIONAL)							
Engine manufacturer	Deutz	Deutz	Deutz	-	-	Perkins	-
Type of engine	TD2011 L04w	TCD 2.9 L4	TCD 2.9 L4	-	-	854E-E34TAWF	-
Cylinders	4	4	4	-	-	4	-
Max engine output kW	55.1	55.4	55.4	-	-	86	-
Max. engine output HP	75	75	75	-	-	117	-
At max. speed rpm	2,300	2,300	2,300	-	-	2,500	-
Displacement cm ³	3,619	2,900	2,900	-	-	3,400	-
Type of coolant	Water	Water/charge air	Water/charge air	-	-	Water/charge air	-
Emissions standard level (optional)	IIIA	IIIB	IIIB	-	-	IIIB	-
Exhaust after treatment (optional)	-	DOC (DPF)	DOC (DPF)	-	-	DPF	-
ELECTRICAL SYSTEM							
Operating voltage V	12	12	12	12	12	12	12
Battery Ah	95	95	95	95	95	95	95
Alternator A	65 (95*)	95	85	95	95	120	120
WEIGHTS							
Operating weight (standard) kg	3,440/3,530*	4,200/4,300*	4,600	5,100	5,800	5,900	7,000
Tipping load with bucket – machine straight (in accordance with ISO 14397) kg	2,300/2,413*	3,020/3,320*	2,626	3,218	3,270	3,579	4,639
Tipping load with pallet fork – machine straight (in accordance with ISO 14397) kg	2,058/2,159*	2,511/2,726*	2,258	2,536	3,035	3,310	4,244
VEHICLE DATA							
Driver's cabin (optional)	FSD (cabin)	Cabin	FSD (cabin)	Cabin	FSD (cabin)	Cabin	Cabin
Axle (optional)	PA 1200	PA 1200	PA 1400 (PA 1422)	PA 1400 (PA 1422)	PA 1422	PA 1422	PA 1422/2
Driving speed (optional) km/h	0-20 (28)	0-20 (28)	0-20 (30)	0-20 (30)	0-20 (30)	0-20 (30)	0-20 (30)
Fuel tank capacity l	55	65	82	82	82	105	105
Hydraulic oil tank capacity l	65	50	66	66	66	95	95
HYDRAULIC SYSTEM							
Drive hydraulics – working pressure bar	445/450*	445	445	445	445	445	445
Work hydraulics – discharge volume (optional) l/min	49.4 (51.8–64.4)	56 (63–116)	58.5 (73.6–115)	73.6 (83–115)	64 (73–115)	100 (115–150)	100 (115–150)
Work hydraulics – working pressure bar	210	210	210	230	210	210	210
NOISE CHARACTERISTIC VALUES							
Average sound power level LwA dB (A)	99.5	99.3	-	100.3	-	101	101
Guaranteed sound power level LwA dB (A)	101	101	101	101	101	103	103
Specified sound pressure level LpA dB (A)	75 (78*)	78	-	78	-	78	78

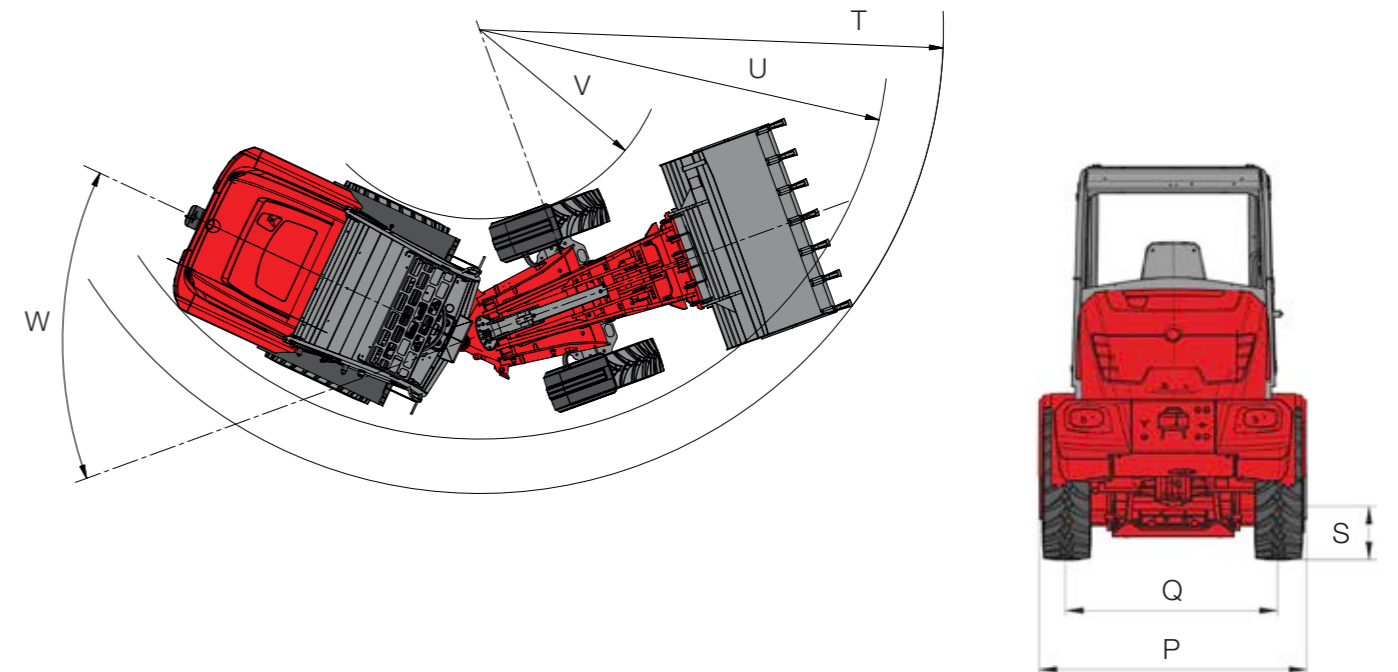
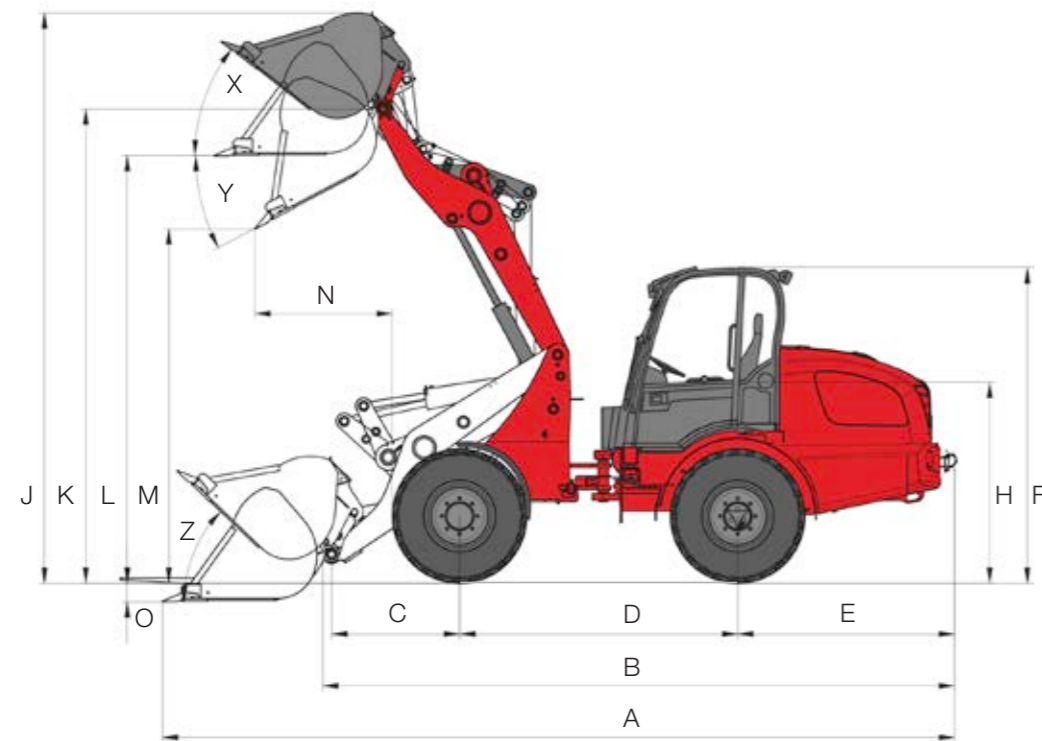
*Value of Deutz engine
 FSD = operator's canopy
 DOC = Diesel oxidation catalyst
 DPF = diesel particle filter

Specifications of telescopic wheel loader.

	2070LPT	2080T	3080LPT	3080T	4080LPT	4080T	5080T
ENGINE DATA							
Engine manufacturer	Perkins	Perkins	Perkins	Deutz	Deutz	Perkins	Perkins
Type of engine (optional)	404 D-22	404 D-22 (404 F-22T)	404 D-22 (404 F-22T)	TCD 2.9 L4	TCD 2.9 L4	854E-E34TAWF	854E-E34TAWF
Cylinders	4	4	4	4	4	4	4
Max engine output (optional) kW	35.7	36.3 (44.7)	35.7 (44.7)	55.4	55.4	75	86
Max engine output (optional) HP	49	50 (60)	49 (60)	75	75	102	117
At max. speed rpm	2,600	2,800	2,600 (2,800)	2,300	2,300	2,500	2,500
Displacement cm ³	2,216	2,216	2,216	2,900	2,900	3,400	3,400
Type of coolant	Water	Water	Water	Water/charge air	Water/charge air	Water/charge air	Water/charge air
Emissions standard level (optional)	IIIA	IIIA (IIIB)	IIIA (IIIB)	IIIB	IIIB	IIIB	IIIB
Exhaust after treatment (optional)	-	- (DPF)	- (DPF)	DOC (DPF)	DOC (DPF)	DPF	DPF
ENGINE DATA (OPTIONAL)							
Engine manufacturer	Deutz	Deutz	Deutz	-	-	Perkins	-
Type of engine	TD2011 L04w	TCD 2.9 L4	TCD 2.9 L4	-	-	854E-E34TAWF	-
Cylinders	4	4	4	-	-	4	-
Max engine output kW	55.1	55.4	55.4	-	-	86	-
Max engine output HP	75	75	75	-	-	117	-
At max speed rpm	2,300	2,300	2,300	-	-	2,500	-
Displacement cm ³	3,619	2,900	2,900	-	-	3,400	-
Type of coolant	Water	Water/charge air	Water/charge air	-	-	Water/charge air	-
Emissions standard level (optional)	IIIA	IIIB	IIIB	-	-	IIIB	-
Exhaust after treatment (optional)	-	DOC (DPF)	DOC (DPF)	-	-	DPF	-
ELECTRICAL SYSTEM							
Operating voltage V	12	12	12	12	12	12	12
Battery Ah	95	95	95	95	95	95	95
Alternator A	65 (95*)	95	85	95	95	120	120
WEIGHTS							
Operating weight (standard) kg	3,750/3,850*	4500/4600*	5,000	5,290	6,000	5,930	7,200
Tipping load with bucket – machine straight (in accordance with ISO 14397) kg	2,090 (1,161)/2,209 (1,239)*	2,632 (1,507)/3,041 (1,806)*	2,435 (1,295)	2,815 (1,554)	3,413 (1,946)	3,371 (1,949)	4,232 (2,502)
Tipping load with pallet fork – machine straight (in accordance with ISO 14397) kg	1,775 (1,037)/1,864 (1,114)*	2,311 (1,405)/2,671 (1,655)*	2,229 (1,268)	2,570 (1,509)	3,100 (1,868)	3,171 (1,943)	4,004 (2,521)
VEHICLE DATA							
Driver's cabin (optional)	FSD (cabin)	Cabin	FSD (cabin)	Cabin	FSD (cabin)	Cabin	Cabin
Axle (optional)	PA 1200	PA 1200	PA 1400 (PA 1422)	PA 1400 (PA 1422)	PA 1422	PA 1422	PA 1422/2
Driving speed (optional) km/h	0-20 (28)	0-20 (28)	0-20 (30)	0-20 (30)	0-20 (30)	0-20 (30)	0-20 (30)
Fuel tank capacity l	75	75	82	82	82	105	105
Hydraulic oil tank capacity l	65	50	66	66	66	95	95
HYDRAULIC SYSTEM							
Drive hydraulics – working pressure bar	445/450*	445	445	445	445	445	445
Work hydraulics – discharge volume (optional) l/min	49.4 (51.8-64.4)	56 (63-74)	58.5 (64-103)	73.6 (83)	64 (73-103)	100 (115-150)	100 (115-150)
Work hydraulics – working pressure bar	235	235	235	235	235	235	235
NOISE CHARACTERISTIC VALUES							
Average sound power level LwA dB (A)	99.5	99.3	-	100.3	-	101	101
Guaranteed sound power level LwA dB (A)	101	101	101	101	101	103	103
Specified sound pressure level LpA dB (A)	75 (78*)	78	-	78	-	78	78

Tipping load values in () extended
 *Value of Deutz engine
 FSD = operator's canopy
 DOC = Diesel oxidation catalyst
 DPF = diesel particle filter

Dimensions of wheel loader.

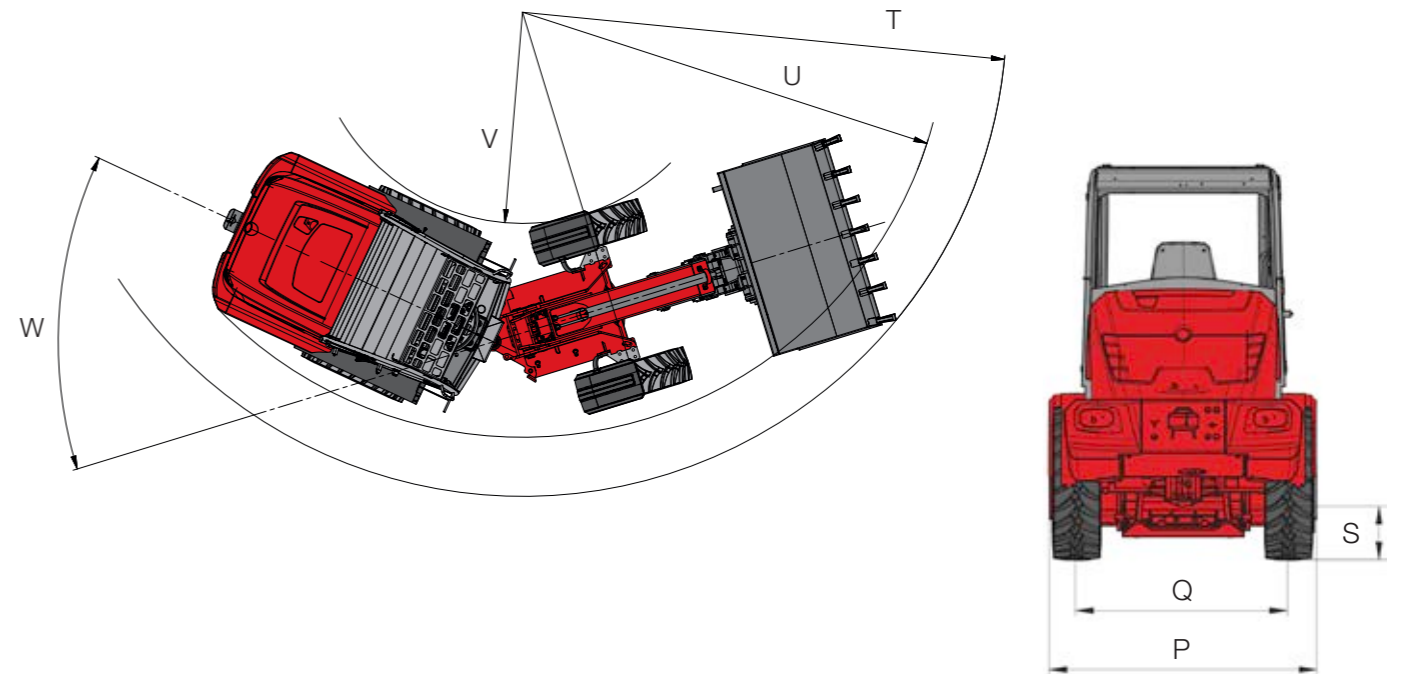
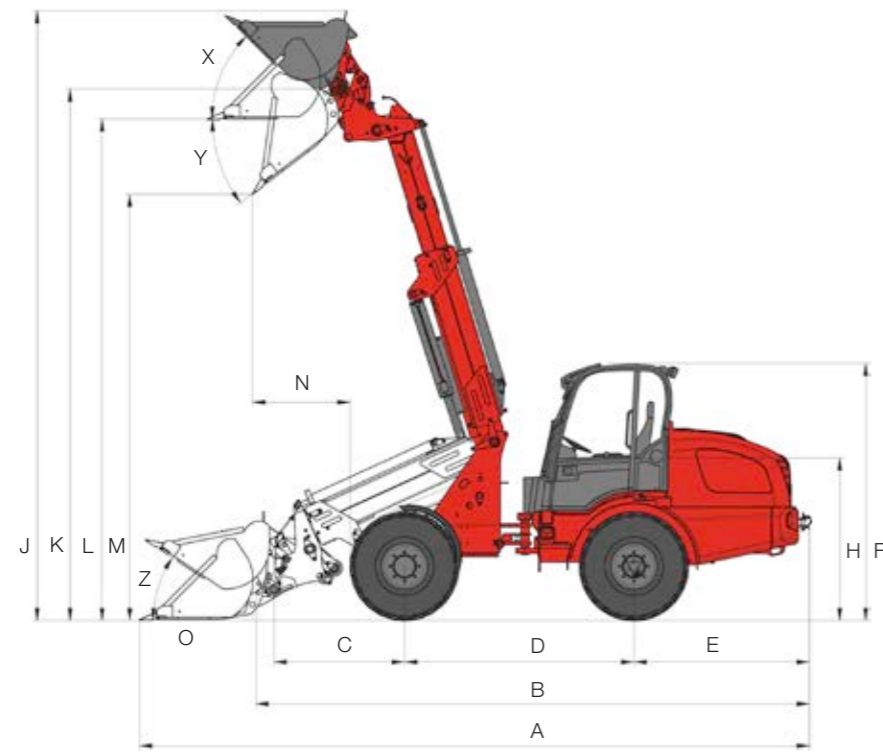


2070LP 2080 3080LP 3080 4080LP 4080 5080

DIMENSIONS

Tyres	11.5/80-15 AS ET40	11.5/80-15 AS ET40	11.5/80-15 AS ET80	12.5/80-18 AS ET75	12.5-20 MPT ET 0	12.5-20 MPT ET 0	550/45 - 22.5 AS ET0
A Total length mm	4,956	5,037	5,542	5,675	5,760	6,127	6,127
B Total length (without bucket) mm	4,126	4,281	4,647	4,649	4,828	4,886	4,886
C Bucket pivot point (to centre of axle) mm	701	675	1,027	1,025	991	990	990
D Wheel base mm	2,020	2,045	2,005	2,008	2,150	2,151	2,151
E Rear overhang mm	1,296	1,516	1,531	1,531	1,531	1,676	1,676
F Height with cab mm	-	-	-	-	-	2,679	2,694
F Height with low operator's canopy mm	2,133	-	2,251	-	-	-	-
F Height with high operator's canopy mm	2,248	-	2,410	-	2,495	-	-
F Height with cab low mm	2,133	2,359	2,246	2,454	-	-	-
F Height with cab high mm	2,335	2,535	2,452	2,631	2,535	-	-
H Seat height mm	1,169	1,429	1,409	1,518	1,495	1,607	1,622
J Total working height mm	3,901	3,828	3,995	4,106	4,561	4,413	4,428
K Max. height of bucket pivot point mm	3,222	3,239	3,291	3,317	3,671	3,671	3,686
L Overhead loading height mm	2,984	2,950	2,958	3,061	3,335	3,310	3,325
M Dumping height mm	2,444	2,509	2,413	2,503	2,864	2,743	2,758
N Coverage with M mm	344	177	755	953	875	1,064	1,009
O Digging depth mm	33	62	62	82	114	143	128
P Total width mm	1,415	1,410	1,530	1,580	1,742	1,810	1,972
Q Track width mm	1,125	1,113	1,240	1,211	1,432	1,422	1,422
S Ground clearance mm	294	270	296	323	352	360	375
T Maximum radius outside mm	3,510	3,523	4,275	3,943	4,242	4,214	4,275
U Radius on outer edge mm	3,219	3,316	3,587	3,461	3,785	3,683	3,683
V Inner radius mm	1,745	1,727	1,833	1,685	1,914	1,702	1,629
W Articulation angle	45°	42°	42°	42°	42°	45°	45°
X Rollback angle at max. lift height	54°	52°	43°	51°	44°	38°	38°
Y Max. angle for bucket emptying	40°	39°	39°	32°	28°	28°	28°
Z Rollback angle on the ground	48°	45°	42°	49°	38°	44°	44°

Dimensions of telescopic wheel loader.

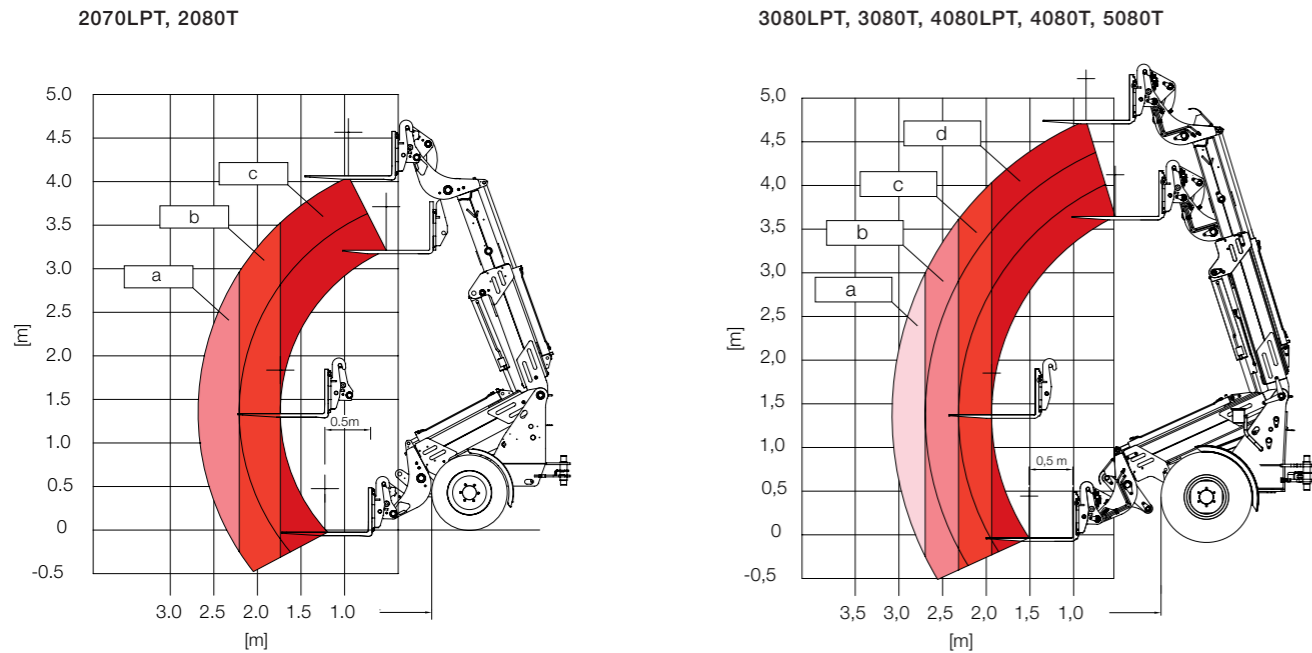


2070LPT 2080T 3080LPT 3080T 4080LPT 4080T 5080T

DIMENSIONS

	2070LPT	2080T	3080LPT	3080T	4080LPT	4080T	5080T
Tyres	11.5/80-15 AS ET40	11.5/80-15 AS ET40	11.5/80-15 AS ET80	12.5/80-18 AS ET75	12.5-20 MPT ET 0	12.5-20 MPT ET 0	550/45 - 22.5 AS ET0
A Total length mm	5,297	5,468	5,929	5,901	5,929	6,396	6,396
B Total length (without bucket) mm	4,487	4,689	5,180	5,135	5,180	5,200	5,200
C Bucket pivot point (to center of axle) mm	876	875	1,394	1,246	1,394	1,245	1,245
D Wheel base mm	2,120	2,120	2,189	2,189	2,189	2,189	2,189
E Rear overhang mm	1,296	1,516	1,531	1,531	1,531	1,676	1,676
F Height with cab mm	-	-	-	-	-	2,679	2,694
F Height with low operator's canopy mm	2,138	-	2,251	-	-	-	-
F Height with high operator's canopy mm	2,298	-	2,409	-	2,495	-	-
F Height with cab low mm	2,133	2,359	2,246	2,454	-	-	-
F Height with cab high mm	2,335	2,535	2,446	2,631	2,532	-	-
H Seat height mm	1,169	1,429	1,409	1,518	1,495	1,607	1,622
J Total working height mm	4,954	4,937	5,729	5,751	5,815	5,824	5,839
K Max. height of bucket pivot point mm	4,277	4,292	4,990	5,016	5,076	5,076	5,091
L Overhead loading height mm	3,950	3,935	4,565	4,572	4,651	4,790	4,805
M Dumping height mm	3,465	3,455	4,143	4,222	4,226	4,071	4,086
N Coverage with M mm	850	760	793	780	707	931	916
O Digging depth mm	138	154	212	205	126	-	-
P Total width mm	1,415	1,410	1,530	1,580	1,742	1,810	1,972
Q Track width mm	1,125	1,120	1,242	1,211	1,432	1,422	1,422
S Ground clearance mm	294	295	324	323	410	360	375
T Maximum radius outside mm	3,795	3,761	4,275	3,943	4,275	4,512	4,473
U Radius on outer edge mm	3,325	3,316	3,840	3,461	3,840	3,928	3,928
V Inner radius mm	1,881	1,727	2,063	1,685	1,948	1,951	1,878
W Articulation angle	45°	42°	42°	42°	42°	42°	42°
X Rollback angle at max. lift height	45°	60°	45°	45°	45°	45°	45°
Y Max. angle for bucket emptying	32°	35°	30°	33°	30°	33°	33°
Z Rollback angle on the ground	39°	37°	36°	35°	36°	41°	41°

Load-bearing capacity diagram.



	2070LPT	2080T	3080LPT	3080T	4080LPT	4080T	5080T
LOAD-BEARING CAPACITY kg							
a	515/558*	702/828*	638	757	930	933	1,277
b	672/725*	892/1,039*	715	848	1,040	1,044	1,426
c	897/963*	1,163/1,340*	988	1,145	1,359	1,358	1,794
d	-	-	1,142	1,324	1,570	1,568	2,069

* Value of Deutz engine
Safety factor 1.67 for rough terrain, maximally articulated machine, standard tyres

Vibration characteristic values.

VIBRATIONS TYPE OF LOADING	Typical operating conditions	Mean value			Standard deviation (s)		
		$1.4 \cdot a_{w,eqx}$ [m/s ²]	$1.4 \cdot a_{w,eqy}$ [m/s ²]	$a_{w,eqz}$ [m/s ²]	$1.4 \cdot s_x$ [m/s ²]	$1.4 \cdot s_y$ [m/s ²]	s_z [m/s ²]
Compact wheel loader (operating weight < 4,500 kg)	Load and carry (load and transport work)	0.94	0.86	0.65	0.27	0.29	0.13
Wheel loader (operating weight > 4,500 kg)	Load and carry (load and transport work)	0.84	0.81	0.52	0.23	0.20	0.14
	Application in recovery (harsh application conditions)	1.27	0.79	0.81	0.47	0.31	0.47
	Delivery drive	0.76	0.91	0.29	0.33	0.35	0.17
	V-operation	0.99	0.84	0.54	0.29	0.32	0.14

Whole-body vibrations:

- Each machine is equipped with an operator's seat that meets the requirements of EN ISO 7096:2000.
- When the loader is properly used, whole body vibration varies from below 0.5 m/s² up to a short-term maximum value.
- To calculate the vibration values according to ISO/TR 25398:2006, it is recommended to use the values specified in the table. The actual application conditions are to be considered.

- Like wheel loaders, telehandlers are to be classified according to operating weight.

Hand-arm vibrations:

- The hand-arm vibrations are no more than 2.5 m/s².

Tyres.

TYRES	Width of machine mm				
11.5/80-15 AS ET40	1,410*	1,410*	-	-	-
11.5/80-15 AS ET80	-	-	1,530* ¹	-	-
15.0/55-17 AS ET0	-	1,600	-	-	-
15.0/55-17 AS ET45	1,500	-	-	-	-
15.0/55-17 AS ET-40	-	1,660	-	-	-
Dual tyres 11.5/80-15 AS front	2,040	-	-	-	-
12-16.5 EM ET0	1,500	1,500	-	-	-
12-16.5 EM ET45	1,415	1,415	-	-	-
15.5/55 R 18 EM ET0	1,570	1,570	-	1,780	1,780
15.5/55 R 18 EM ET60	1,440	-	1,690	-	-
31x15.5-15 EM ET-37	-	1,680	-	-	-
33x15.5-15 RP ET0	1,600	-	-	-	-
33 x 15.5-15 RP ET-40	-	1,680	-	-	-
12.0/75-18 MPT ET-30	1,560	-	-	-	-
12.5/80-18 AS ET75	-	-	1,580*	-	-
12.5-18 MPT ET0	-	-	1,730	1,750	-
12.5-18 MPT ET60	-	-	1,600	-	-
12.5-20 MPT ET0	-	-	-	1,750*	1,750*
12-16.5 Sure Trax ET0 BKT	1,530	1,530	-	-	-
12-16.5 Sure Trax ET45 BKT	1,440	-	-	-	-
425/55 R 17 AS ET45	1,540	-	1,740	-	-
425/55 R 17 AS ET- 40 Alliance 570	1,700	1,700	-	-	-
405/70-20 AS ET0 BKT AS504	-	-	1,820	1,840	1,840
405/70-20 AS ET-50 BKT AS504	-	-	-	1,900	1,930
405/70 R 18 EM ET0	-	-	1,820	1,815	1,815
500/45-20 AS ET0	-	-	1,900	1,920	1,920
550/45-22.5 AS ET0	-	-	-	1,990	1,990
550/45-22.5 AS ET-50	-	-	-	2,080	2,080
Dual tyres 12.5-18 MPT in front	-	-	-	N/A	N/A
340/80 R 18 ET0 Alliance Multi-use 550	-	-	-	1,770	1,770
400/70 R20 ET0 Alliance Multi-use 550	-	-	-	1,800	1,830
400/70 R20 ET-60 Alliance Multi-use 550	-	-	-	1,930	1,950
400/70 R 20 ET0 Michelin XMCL	-	-	-	1,810	1,810
600/40-22.5 AS ET-50	-	-	-	-	2,120

*Standard tyres
¹Only 3080LP and 3080LPT



EM tread

Thanks to the almost parallel lamellas, the EM tread is particularly well suited for loose ground such as sand, soil or gravel. Thanks to the high thrust transmission, this tyre has a large footprint and runs very smoothly on the road.

AS tread

The tapered lamellas provide for safe driving, especially on greasy terrain.

RP tread

Thanks to the large contact surface, the ground is protected. The RP tread is therefore especially well suited for use on lawns.

MPT tread

The MPT tread offers the perfect combination of good traction on uneven ground conditions and fast road crossings.

Multi-use

The multi-use tread was specially designed for year-round use and various climate conditions. In summer, it provides good traction on loose surfaces. In winter, it offers stability on snow and slippery driving surfaces.



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designed for work

Weidemann – a tradition of efficiency.

For decades, our mission has been to lighten the load of commercial agriculture by the mechanisation of stable and yard operations. This led to the design and development of the Hoftrac®, which has become a generic term for its own equipment category – the original comes from Weidemann. The close co-operation between the Weidemann developers and our users has repeatedly led to innovative concepts and a sophisticated product programme with high usability and mature technology.

We stand by this and continue to pursue our chosen path. Our customers benefit from high productivity, investment security and have a strong partner in Weidemann, who is always at their side. Our machines and services perform at a high level and bring daily pleasure through their work operation. Made precisely for this. Weidemann – designed for work.



Weidemann – your strong partner.

All-round care.



Comprehensive dealer network.

Weidemann has a wide network of select dealers in Germany and Europe. Each dealer is part of a well-organised system. In addition to consulting and selling new machines, our dealers are happy to provide you with reliable customer service and supply you with spare parts. Weidemann offers regular training for dealers so that your contact partners are always up to date.

Attractive financing programme.

In Germany, Weidemann offers attractive options for financing or leasing machines thanks to various framework agreements. Weidemann distributors also offer various financing options at the international level. Get in touch with your local contact partner to find out about current conditions.



Personal training and instruction.

When you decide to purchase a Weidemann machine, you will not be left in the dark. When the machine is handed over, you and your entire team will receive detailed instructions on the operation and maintenance of the machine. If you would like to know more, simply contact your dealer. He or she is just around the corner and will be happy to help without bureaucracy.

Warranty extension.

Upon request, you can extend the warranty period of your machine up to 60 months or 5,000 operating hours.



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Our innovation: the fully electric 1160
eHoftrac®.



The powerful wheel loader.

Available either with loading arm or telescopic boom.



The compact telehandler.

Aim high with optimal stability.



Attachments and tyres.

Your Weidemann machine becomes a multi-tool!
The optimal attachment and the right tyres for
every task.



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Weidemann GmbH

Mühlhäuser Weg 45 - 49
34519 Diemelsee-Flechtdorf
Germany
Tel. +49(0)5633 609-0
Fax +49(0)5633 609-666
info@weidemann.de
www.weidemann.de