2080
2080T

3080
3080T

4080
4080T

5080
5080T

WEIDEMANN

# The powerful wheel loader.

Available either with load arm or telescopic arm.

# An essential part of your business.

The Weidemann wheel loaders make every work application even more productive. For in addition to a high level of functionality, working comfort and excellent safety standards, they have a great deal of strength and endurance – the right solution for every task. Weidemann offers you this environmentally-friendly series with engine technology that meets the latest emission standards.

# New emission standard – new engine technology.
## Well-equipped for the future.


**The latest engine technology according to emission standard IIIB.** Reduction of the pollutant emission thanks to the integration of an exhaust after-treatment in the form of a ceramic particulate filter.

**New design that is obvious to the eye:** The rear weight, tanks and engine hood are the externally visible changes to the new generation of machines.

**New coolers with intercooling for an additional optimisation of the cooling capacity.** In addition, the performance of the machines is further improved and the fuel consumption is reduced.

**New improved arrangement of the rear options,** especially the hydraulic and electrical connections. All connections are logically arranged, easily accessible and perfectly prepared for various retrofitting options.

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

- Nitrogen oxide (NOx)
- Carbon monoxide (CO)
- Hydrocarbons (HC)
- Fine dust/particulate matter (pm)

We at Weidemann have already successfully completed stages I to IIIA for pollutant reduction in recent years. However, new, stricter thresholds are waiting in stages IIIB and IV (tier 4 interim and tier 4 final) to be met. However, since we would like to adapt our machines to the changed legal situation and also want to continue to develop our machines, we have put a great deal of development work and expertise into both of the new machine types. We are therefore pleased to be able to present to you on the following pages our new Weidemann 2080 to 5080 – with engines that comply with the current emission standard IIIB.

**The new engine technology.**

In addition to the integration of an exhaust after-treatment in the form of a particulate filter, the adaptation of the machines to stage IIIB also requires an additional optimisation of the cooling capacity. This is achieved through a cooled exhaust gas recirculation. A positive side effect is that these new components not only contribute to reducing emissions, but also that the performance of the machines can be greatly improved and the fuel consumption can be reduced by approximately 5 % – convincing arguments!

The ceramic filter used, which filters out a great deal of the damaging sooty 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 motor compartment are therefore added to the motor. This is externally visible at Weidemann in the form of our new, dynamic engine cover design.

## Discover the technical innovations and changes and take a look under the hood.

# Wheel loader with load arm:
Design and development from practice – with emission values for the future.

**Proven tools that can be changed without leaving the cab.** The standard hydraulic lock and the proven attachments make your machine into a flexible and highly productive multi-purpose machine for indoor and outdoor use.

**Sturdy kinematics with enormous lifting and shearing forces.** Both of the large hydraulic cylinders have reserves and the entire kinematics are designed for short and efficient work cycles. They can pick up and dump transport cargo very quickly.

**A working area to feel good.** Something you should treat yourself to: lower entry from both sides. A comfortable seat that can be adjusted to your body weight and body size. And not least: Clearance and a clear overview wherever you look.

**Variety in the outfitting.** Depending on the application and preferences, you can individually configure the motor, driver's cabin, tires and attachments. Your Weidemann is always custom-made.



**Convincing lifting heights with a compact design.**
The angled load arm is particularly sturdy and buckling resistant and supports precision work. The attachment always remains in view, even when the load arm is raised. Transport vehicles with high loading sills can also be easily loaded.

# Wheel loader with telescopic arm:
Sophisticated, sturdy and practice-oriented.

**Even greater lifting heights with the telescopic arm.** In this way, transport vehicles with high loading sills can also be easily loaded.

**High performance hydraulics with proportional control.** This allows for simultaneous lifting/lowering as well as retracting and extending the boom (available as option).

**Hydraulically activated joystick.** Ergonomic, practical and clear: With only one hand, you smoothly and confidently control the travel direction and the full kinematics of the machine.

**Spaciously experience ergonomics.** Plenty of legroom, clearly arranged instrument clusters and the comfortable operator's seat are perfectly matched to each other. A working area that fully supports you.

**Laterally tiltable cab:**
Easy access to the motor, hydraulic system and electrical system facilitates inspection and maintenance for you.



**Vibration-damped working area.**
Vibrations and impacts are absorbed by the machine. Your body is protected and you also work for a longer period of time in a much more relaxed and focused manner.


20 8OT


30 8OT

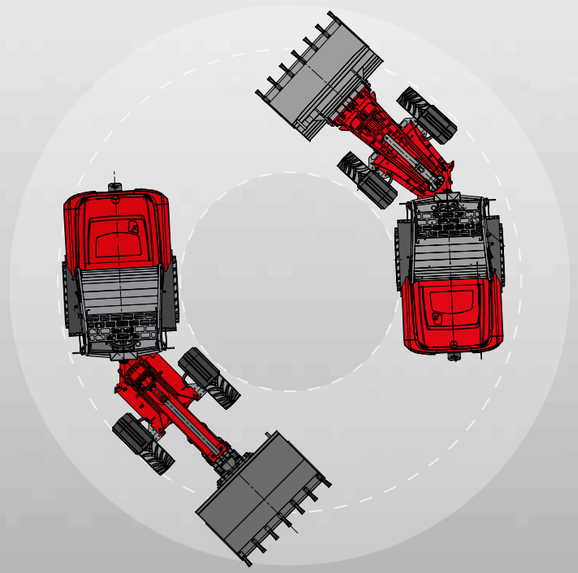

40 8OT


50 8OT

# The Weidemann cardinal virtues:
manoeuvrable, off-road capable, easy to service.

**Large machines with a high level of manoeuvrability.**

Even big machines sometimes encounter small spaces, if, for example, work is to be done in stables and storage facilities. That is why the 2080 to 5080 models likewise convince in their designs with an oscillating suspension unit and telescopic arm with small radii and optimal manoeuvrability.



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

Weidemann wheel loaders always run with all four wheels, in any situation, in any terrain. And 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.

# The Weidemann diagnostic and analysis system

wedias


**Keeping errors on track with wedias.**

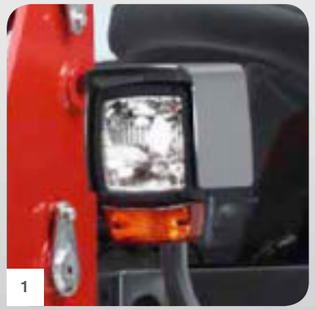
The sometimes drawn-out search for hidden errors belongs to the past. With the new machine types 2080 to 5080, the help of the new Weidemann diagnostic and analysis tool wedias is used to now quickly and clearly evaluate many features, such as the driving function, telescoping function, the 3rd and 4th control circuit, the engine data as well as the electrical functions.

Error messages in the display immediately notify the operator 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 the trained dealer simplifies further diagnosis and troubleshooting enormously. This saves time, money and nerves.

**Tiltable cab.**
Easy access to the motor, hydraulic system and electrical system facilitates inspection and maintenance for you.

## High level of operating and driving comfort.
Optimal visibility for every operation.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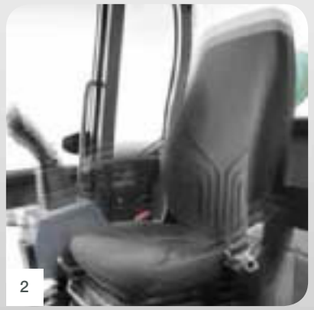
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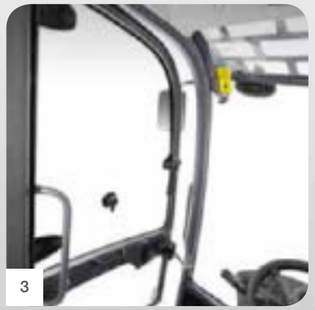
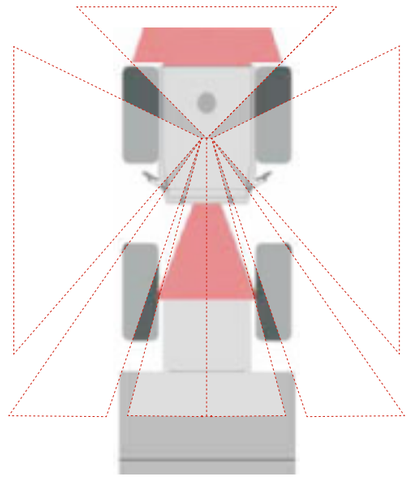

3

The spacious cab offers plenty of headroom and mobility. In this way, the operator can concentrate entirely on the essentials and also comfortably and safely work in tough applications as well.



Good all-round view. The glazed cabin provides an excellent overview of the attachments, the immediate working area and the entire machine surroundings.

**1 Compact work lights.**

They assure optimal illumination and safe working. Four work lights are already included as part of the Standard Package.

**2 Adjustable driver's seat.**

The operator's seat is adjustable, ergonomically formed and well suspended. The optionally available, air-suspended comfort seat with seat heating leaves nothing to be desired.

**3 Ventilation as required.**

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

**4 Working environment.**

The working environment is excellent, thanks to an efficiently working heating and ventilation system with a fan, fresh air filter and well-placed air nozzles. For particularly hot outdoor temperatures, we recommend using the air-conditioning system.


4

# A working area that motivates:
# Wellbeing and efficiency.

**A Weidemann is more than a machine.**
**It is always also a small home for the operator.**

Our wheel loaders are put to use for many hours on a typical day. This marathon application is nothing for the machine. The operator is also always taken into consideration. He can very easily control and operate "his Weidemann" almost without fatigue. Comfort and ergonomics are well thought out and tested. This makes work considerably easier.



1


2


3


4

**1 Vibration-damped working area.**

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

**2 Spaciously experience ergonomics.**

Plenty of legroom, clearly arranged instrument clusters and the comfortable operator's seat are perfectly matched to each other. A working area that fully supports you.

**3 Adjustable steering wheel.**

For a working area that adapts to the operator's body size.

**4 The main features always in sight.**

With the new digital display, for the first time the active features are displayed in the cab, for example activated electrical functions, the continuous operation of the 3rd control circuit or the activated differential lock.

**5 All in one hand.**

The joystick of the 20 to 50-series becomes an all-rounder and the operator-friendliness of the machine is increased even further. In addition to the functioning of the 3rd control circuit, which can be activated on the multifunction lever, additional functionalities have been newly added. Firstly, the continuous operation of the 3rd control circuit can be activated via the button toggle switch – now also in both directions by moving the thumbwheel.

The function of the 4th control circuit (not for tele machines) can now also be operated on the joystick.

When telescoping, a new proportional control is now also possible so that the operating speed can be individually adjusted.

In addition, both electrical functions can be operated on the joystick for the first time in a momentary or latching manner. Both electrical functions have no dependence here so that both can be activated either in a momentary or latching manner or one in a momentary manner and the other in a latching manner.

5

# Economic efficiency
that's worth it.

**Efficient applications require innovative technical solutions.**

Today, economic efficiency is one of the most important features that wheel loaders should bring to your business. For the faster and more time-saving a machine manoeuvres, the higher its work performance is. For Weidemann wheel loaders, economic efficiency means technically sophisticated solutions, such as a high lifting height, strong shearing forces, high level of stability, a simple quick-hitch system and a differential lock that is up to 100% connectable.

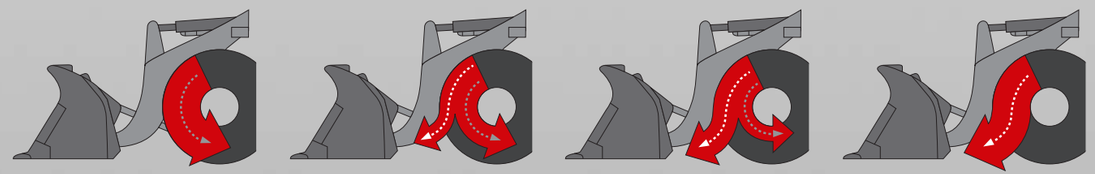
If necessary, the up to 100% connectable differential lock offers you maximum traction and shear force and keeps the tyre wear low (switched off during normal operation).

**Owing to the hydraulic quick-hitch system,**

the attachments can be exchanged easily. In this way, the wheel loaders are again ready for application immediately. This increases productivity and raises efficiency.

**Brake-inch pedal.**

The hydrostatic all-wheel drive is combined with the brake pedal for Weidemann machines. By "inching," this makes it possible to crawl until the travelling operation comes to a standstill. With the partially depressed brake-inch pedal, you can drive slowly in crawl speed at full engine speed precisely to the millimetre and at the same time lift quickly. If the pedal is pressed further, the machine is braked. The advantage of the brake-inch pedal lies in the optimal power-output distribution of the engine rated power. In addition, it is not possible to stall the machine.

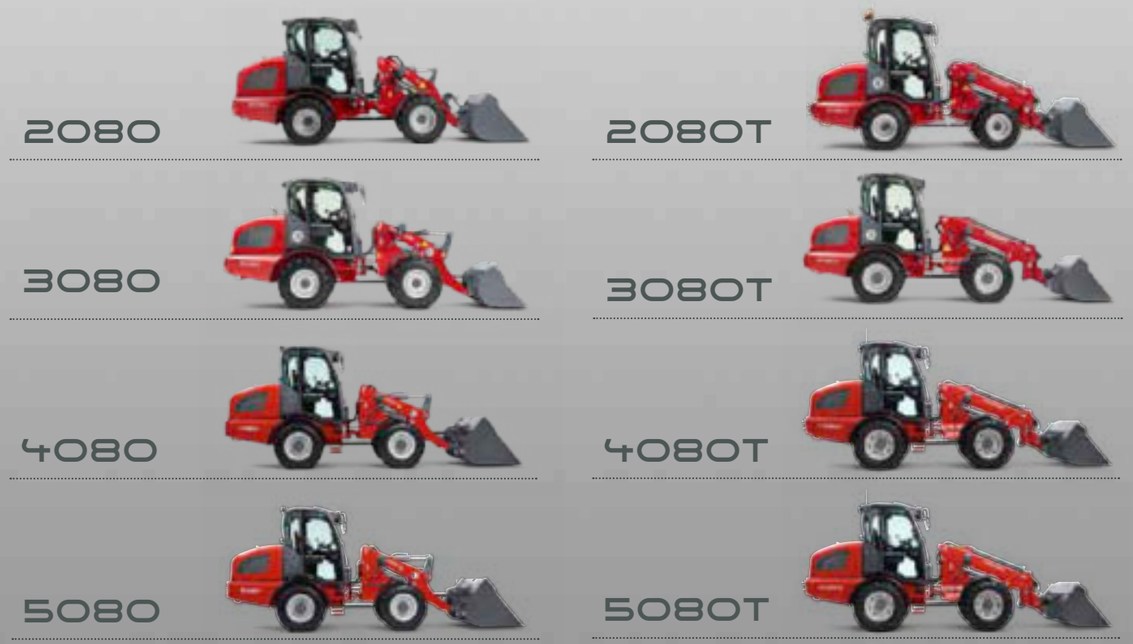


**In use daily:**
Efficiency cannot be more convincing.


WEIDEMANN
30
2080T

# Your Weidemann wheel loader:
With customized equipment.
Built appropriate to need.

With Weidemann, you are on the safe side – we offer you our wheel loaders already with good, comprehensive and heavy-duty standard equipment. In addition, with our different options, you can assemble your machine in terms of drive system, tires, hydraulics and the driver's cabin so that it is one-hundred per cent tailored to you, your business and your work tasks.




| STANDARD EQUIPMENTAND OPTIONS | 2080 | 2080T | 3080 | 3080T | 4080 | 4080T | 5080 | 5080T |
|---|---|---|---|---|---|---|---|---|
| **DRIVE SYSTEM** | | | | | | | | |
| **Hydrostatic drive system via transfer gearbox and universal joint shaft** | ● | ● | ● | ● | ● | ● | ● | ● |
| **100% differential lock, electric-hydraulically connectable** on front and rear axle | ● | ● | ● | ● | ● | ● | ● | ● |
| **Travel speed 20 km/h** | ● | ● | ● | ● | ● | ● | ● | ● |
| **Speed increase to 28 km/h** | ○ | ○ | – | – | – | – | – | – |
| **Speed increase to 30 km/h** | – | – | ○ | ○ | ○ | ○ | ○ | ○ |
| **HYDRAULICS** | | | | | | | | |
| **Multifunction joystick and armrest** (one unit with the operator's seat) | ● | ● | ● | ● | ● | ● | ● | ● |
| **3rd control circuit,** proportionally via joystick | ● | ● | ● | ● | ● | ● | ● | ● |
| **4th control circuit,** proportionally via joystick | ○ | – | ○ | – | ○ | – | ○ | – |
| **High Flow/Flow Sharing performance hydraulics** | ○ | – | ○ | – | ○ | ○ | ○ | ○ |
| **Reversing valve in front** (3rd control circuit with 4 connections) | – | ○ | – | ○ | – | – | – | – |
| **1-2 hydraulic connections in rear** dual-acting | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Unpressurised front reverse travel** | ○ | ● | ○ | ● | ○ | ● | ○ | ● |
| **Unpressurised reverse travel in rear** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Lowering brake valve** | ○ | ● | ○ | ● | ○ | ● | ○ | ● |
| **Load vibration dampening** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **KINEMATICS** | | | | | | | | |
| **Telescopic arm** | – | ● | – | ● | – | ● | – | ● |
| **Z-kinematics** | – | – | ● | – | ● | – | ● | – |
| **P-Z-kinematics** | ● | – | – | – | – | – | – | – |
| **DRIVER'S CABIN** | | | | | | | | |
| **Cabin** with heater, fan and windscreen wiper roll-over protective structure and FOPS-tested | ● | ● | ● | ● | ● | ● | ● | ● |
| **Cabin** laterally tiltable | ● | ● | ● | ● | ● | ● | ● | ● |
| **Adjustable steering wheel** | ● | ● | ● | ● | ● | ● | ● | ● |
| **Four work lights mounted to the driver's cabin** | ● | ● | ● | ● | ● | ● | ● | ● |
| **Four LED work lights mounted to the driver's cabin** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Lighting equipment according** to Road Traffic Regulations | ● | ● | ● | ● | ● | ● | ● | ● |
| **Comfort seat with safety belt** fully suspended | ● | ● | ● | ● | ● | ● | ● | ● |
| **Comfort seat with safety belt and** air cushioning | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Heated seat** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Air-conditioning system** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Fuel display** | ● | ● | ● | ● | ● | ● | ● | ● |
| **Operating hour meter** | ● | ● | ● | ● | ● | ● | ● | ● |
| **TÜ-expert's report (addendum in vehicle documentation)** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **OTHER** | | | | | | | | |
| **Battery isolator switch** | ● | ● | ● | ● | ● | ● | ● | ● |
| **Fully automatic central lubrication unit** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| **Hydraulically activated quick-hitch system** for attachments | ● | ● | ● | ● | ● | ● | ● | ● |
| **Stainless steel steering lock** | ● | ● | ● | ● | ● | ● | ● | ● |
| **Greasable articulated pendulum joint** | ● | ● | ● | ● | ● | ● | ● | ● |
| **Front electrical connection** | ○ | ● | ○ | ● | ○ | ● | ○ | ● |
| **Rear electrical connection** | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

● Series
○ Option
– Not possible

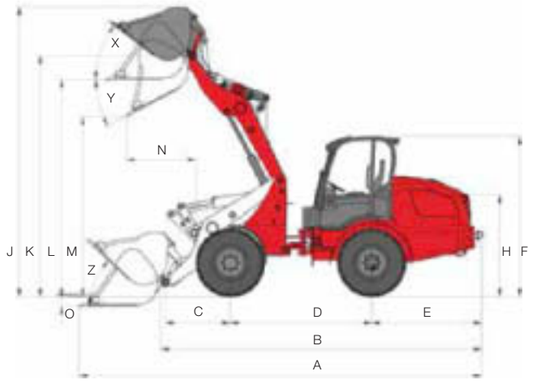
# Technical data.

| | 2080 | 2080T | 3080 | 3080T | 4080 | 4080T | 5080 | 5080T |
|---|---|---|---|---|---|---|---|---|
| **TECHNICAL DATA** | | | | | | | | |
| **ENGINE DATA** | | | | | | | | |
| **Engine manufacturer** | Perkins | Perkins | Deutz | Deutz | Perkins | Perkins | Perkins | Perkins |
| **Type of engine (optional)** | 404D-22 (404F-22T) | 404D-22 (404F-22T) | TCD 2.9 L4 | TCD 2.9 L4 | 854E-E34TAWF | 854E-E34TAWF | 854E-E34TAWF | 854E-E34TAWF |
| **Cylinders** | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| **Engine output max.** kW/hp **(optional)** | 36.3/50 (44.7/60) | 36.3/50 (44.7/60) | 55.4/75 | 55.4/75 | 75/102 | 75/102 | 86/117 | 86/117 |
| **at RPM** (maximal) rpm/min | 2,800 | 2,800 | 2,300 | 2,300 | 2500 | 2500 | 2500 | 2500 |
| **Displacement** $cm^3$ | 2,216 | 2,216 | 2,900 | 2,900 | 3400 | 3400 | 3400 | 3400 |
| **Coolant type** | Water | Water | Water/charge air | Water/charge air | Water/charge air | Water/charge air | Water/charge air | Water/charge air |
| **ENGINE DATA OPTIONAL** | | | | | | | | |
| **Engine manufacturer** | Deutz | Deutz | - | - | Perkins | Perkins | - | - |
| **Engine type** | TCD 2.9 L4 | TCD 2.9 L4 | - | - | 854E-E34TAWF | 854E-E34TAWF | - | - |
| **Cylinders** | 4 | 4 | - | - | 4 | 4 | - | - |
| **Engine output max.** kW/hp | 55.4/75 | 55.4/75 | - | - | 86/117 | 86/117 | - | - |
| **at RPM** (maximal) rpm/min | 2300 | 2300 | - | - | 2500 | 2500 | - | - |
| **Displacement** $cm^3$ | 2900 | 2900 | - | - | 3400 | 3400 | - | - |
| **Coolant type** | Water/charge air | Water/charge air | - | - | Water/charge air | Water/charge air | - | - |
| **ELECTRIC SYSTEM** | | | | | | | | |
| **Operating voltage** V | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| **Battery** Ah | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| **Alternator** A | 95 | 95 | 95 | 95 | 120 | 120 | 120 | 120 |
| **WEIGHTS** | | | | | | | | |
| **Operating weight (standard)** kg | 4,200/4,300* | 4,500/4,600* | 5,100 | 5,290 | 5900 | 6100 | 7000 | 7200 |
| **Tipping load with bucket - machine straight (according to ISO 14397)** kg | 3,020/3,320* | 2,632 (1,507)<br>3,041 (1,806)* | 3,218 | 2,815 (1,554) | 3559 | 3291 (1857) | 4645 | 4365 (2561) |
| **Tipping load with pallet fork - machine straight (according to ISO 14397)** kg | 2,511/2,726* | 2,311 (1,405)<br>2,671 (1,655)* | 2,536 | 2,570 (1,509) | 3310 | 3110 (1873) | 4254 | 4103 (2560) |
| **VEHICLE DATA** | | | | | | | | |
| **Axle (optional)** | PA 1200 | PA 1200 | PA 1400 (PA 1422) | PA 1400 (PA 1422) | PA 1422 | PA 1422 | PA 1422/2 | PA 1422/2 |
| **Travel 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) | 0- 20 (30) |
| **Fuel tank capacity** l | 65 | 75 | 82 | 82 | 105 | 105 | 105 | 105 |
| **Hydraulic oil tank capacity** l | 50 | 50 | 66 | 66 | 95 | 95 | 95 | 95 |
| **HYDRAULIC SYSTEM** | | | | | | | | |
| **Driving hydraulics - working pressure** bar | 445 | 445 | 445 | 445 | 445 | 445 | 445 | 445 |
| **Work hydraulics - discharge volume (optional)** l/min | 56 ( 63-116) | 56 (63-83) | 73,6 (83-115) | 73,6 (83) | 100 (150) | 100 (150) | 100 (150) | 100 (150) |
| **Work hydraulics - working pressure** bar | 210 | 235 | 230 | 235 | 210 | 235 | 210 | 235 |
| **NOISE CHARACTERISTIC VALUES** | | | | | | | | |
| **Averaged sound power level LwA** dB(A) | 99.3 | 99.3 | 100.3 | 100.3 | 101 | 101 | 101 | 101 |
| **Guaranteed sound power level LwA** dB(A) | 101 | 101 | 101 | 101 | 103 | 103 | 103 | 103 |
| **Specified sound pressure level LpA** dB(A) | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |

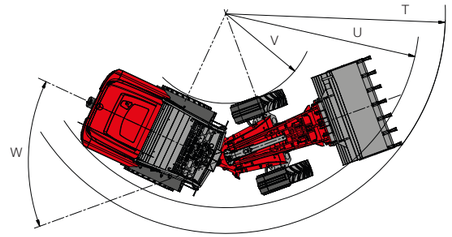
Tipping load values in () extended

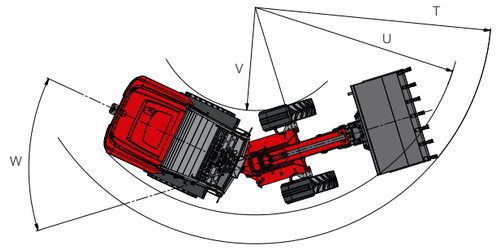
* Values for Deutz motor

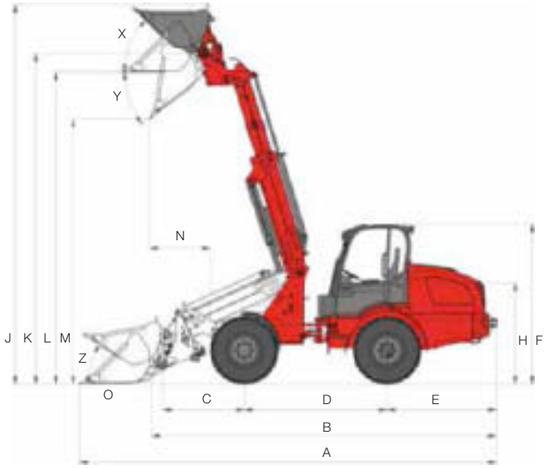
# Dimensions.







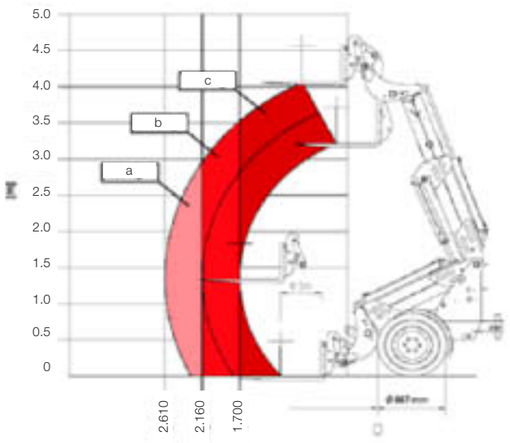



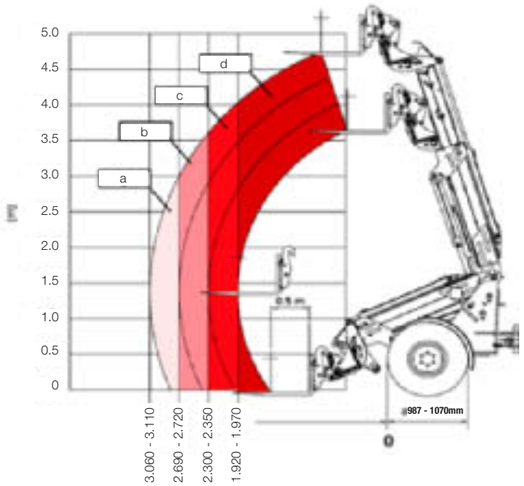

| | 2080 | 2080T | 3080 | 3080T | 4080 | 4080T | 5080 | 5080T |
|---|---|---|---|---|---|---|---|---|
| **DIMENSIONS** | | | | | | | | |
| **Tyres** | 11.5/80-15 AS ET40 | 11.5/80-15 AS ET40 | 12.5/80-18 AS ET75 | 12.5/80-18 AS ET75 | 12.5-20 MPT ET 0 | 12.5-20 MPT ET 0 | 550/45 - 22.5 AS ET0 | 550/45 - 22.5 AS ET0 |
| **Bucket** mm | Digging bucket 1,500 | Digging bucket 1,500 | Digging bucket 1,600 | Digging bucket 1,600 | Digging bucket 1,900 | Digging bucket 1,900 | Digging bucket 2,000 | Digging bucket 2,000 |
| **A Total length** mm | 5,037 | 5,468 | 5,675 | 5,901 | 6,127 | 6,396 | 6,127 | 6,396 |
| **B Total length (without bucket)** mm | 4,281 | 4,689 | 4,649 | 5,135 | 4,886 | 5,200 | 4,886 | 5,200 |
| **C Bucket pivotal point (to axle centre)** mm | 675 | 875 | 1,025 | 1,246 | 990 | 1,245 | 990 | 1,245 |
| **D Distance between wheels** mm | 2,045 | 2,120 | 2,008 | 2,189 | 2,151 | 2,189 | 2,151 | 2,189 |
| **E Rear overhang** mm | 1,516 | 1,516 | 1,531 | 1,531 | 1,676 | 1,676 | 1,676 | 1,676 |
| **F Height with cab** mm | - | - | - | - | 2,679 | 2,679 | 2,694 | 2,694 |
| **F Height with low cabin** mm | 2,359 | 2,359 | 2,454 | 2,454 | - | - | - | - |
| **F Height with cabin high** mm | 2,535 | 2,535 | 2,631 | 2,631 | - | - | - | - |
| **H Seat height** mm | 1,429 | 1,429 | 1,518 | 1,518 | 1,607 | 1,607 | 1,622 | 1,622 |
| **J Total working height** mm | 3,828 | 4,937 | 4,106 | 5,751 | 4,413 | 5,824 | 4,428 | 5,839 |
| **K Max. height of bucket pivotal point** mm | 3,239 | 4,292 | 3,317 | 5,016 | 3,671 | 5,076 | 3,686 | 5,091 |
| **L Overhead loading height** mm | 2,950 | 3,935 | 3,061 | 4,572 | 3,310 | 4,790 | 3,325 | 4,805 |
| **M Dumping height** mm | 2,509 | 3,455 | 2,503 | 4,222 | 2,743 | 4,071 | 2,758 | 4,086 |
| **N Coverage with M** mm | 177 | 760 | 953 | 780 | 1,064 | 931 | 1,009 | 916 |
| **O Digging depth** mm | 62 | 154 | 82 | 205 | 143 | - | 128 | - |
| **P Total width** mm | 1,410 | 1,410 | 1,580 | 1,580 | 1,810 | 1,810 | 1,972 | 1,972 |
| **Q Track width** mm | 1,113 | 1,120 | 1,211 | 1,211 | 1,422 | 1,422 | 1,422 | 1,422 |
| **S Ground clearance** mm | 270 | 295 | 323 | 323 | 360 | 360 | 375 | 375 |
| **T Maximum radius outside** mm | 3,523 | 3,761 | 3,943 | 3,943 | 4,214 | 4,512 | 4,275 | 4,473 |
| **U Radius on outer edge** mm | 3,316 | 3,316 | 3,461 | 3,461 | 3,683 | 3,928 | 3,683 | 3,928 |
| **V Inside radius** mm | 1,727 | 1,727 | 1,685 | 1,685 | 1,702 | 1,951 | 1,629 | 1,878 |
| **W Articulation angle** | 45° | 45° | 42° | 42° | 45° | 42° | 45° | 42° |
| **X Rollback angle at max. lifting height** | 52° | 60° | 51° | 45° | 38° | 45° | 38° | 45° |
| **Y Max. emptying angle** | 39° | 35° | 32° | 25° | 28° | 33° | 28° | 33° |
| **Z Rollback angle on the ground** | 45° | 37° | 49° | 35° | 44° | 41° | 44° | 41° |

# Load-bearing capacity diagram.

2080T




3080T, 4080T, 5080T




| LOAD-BEARING CAPACITY kg | 2080T | 3080T | 4080T | 5080T |
|---|---|---|---|---|
| **a** | 702/828* | 757 | 981 | 1,323 |
| **b** | 892/1,039* | 848 | 1,092 | 1,474 |
| **c** | 1163/1340* | 1,145 | 1,410 | 1,830 |
| **d** | - | 1,324 | 1,618 | 2,101 |

* Values for Deutz motor

| TYRES | 2080/2080T | 3080/3080T Axle PA 1400 | 3080/3080T Axle 1422 | 4080/4080T | 5080/5080T |
|---|---|---|---|---|---|
| | | | **Machine width** mm | | |
| **11.5/80-15 AS ET40** | 1,410* | - | - | - | - |
| **15.0/55-17 AS ET0** | 1,600 | - | - | - | - |
| **15.0/55-17 AS ET-40** | 1,660 | - | - | - | - |
| **425/55 R 17 AS ET-40** | 1,700 | - | - | - | - |
| **12-16.5 EM ET0** | 1,500 | - | - | - | - |
| **15.5/55 R 18 EM ET0** | 1,570 | - | 1,780 | 1,780 | - |
| **12.5/80-18 AS ET75** | - | 1,580* | - | - | - |
| **425/55 R 17 AS ET45** | - | 1,740 | - | - | - |
| **405/70-20 AS ET0** | - | 1,820 | 1,840 | 1,840 | 1,840 |
| **500/45-20 AS ET0** | - | 1,900 | 1,920 | 1,920 | 1,920 |
| **15.5/55 R 18 EM ET60** | - | 1,690 | - | - | - |
| **405/70 R 18 EM ET0** | - | 1,800 | 1,815 | 1,877 | 1,877 |
| **12.5-18 MPT ET0** | - | 1,730 | 1,750 | - | - |
| **12.5-18 MPT ET60** | - | 1,600 | - | - | - |
| **12.5-20 MPT ET0** | - | - | 1,750* | 1,810* | - |
| **400/70 R 20 ET0 Michelin XMCL** | - | - | 1,810 | - | - |
| **550/45-22.5 AS ET0** | - | - | 1,990 | 1,990 | 1,990* |
| **550/45-22.5 AS ET-50** | - | - | 2,080 | 2,070 | 2,070 |
| **Dual tires 12.5/80-18 AS front** | - | - | No idea | No idea | - |
| **340/80 R 18 ET0 Alliance 550** | - | - | 1,770 | - | - |
| **600/45-22.5 AS ET-40** | - | - | - | 2,100 | 2,100 |

*Standard tyres

# Vibration characteristic values.

| VIBRATIONS | Typical operating condition | Average value | | | Standard deviation (s) | | |
|---|---|---|---|---|---|---|---|
| | | $1{,}4*a_{w,eqx}$ [m/s²] | $1{,}4*a_{w,eqy}$ [m/s²] | $a_{w,eqz}$ [m/s²] | $1{,}4*s_x$ [m/s²] | $1{,}4*s_y$ [m/s²] | $s_z$ [m/s²] |
| **LOAD TYPE** | | | | | | | |
| **Compact wheel loader (operating weight < 4,500kg)** | Load&carry (load and transport work) | 0.94 | 0.86 | 0.65 | 0.27 | 0.29 | 0.13 |
| **Wheel loader (operating weight > 4,500kg)** | Load&carry (load and transport work) | 0.84 | 0.81 | 0.52 | 0.23 | 0.20 | 0.14 |
| | Application in extraction (harsh application conditions) | 1.27 | 0.79 | 0.81 | 0.47 | 0.31 | 0.47 |
| | Transfer 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, the whole body vibrations vary from below 0.5 m/s2 up to a short-term maximum value.
- It is recommended to use the values specified in the table when calculating the vibration values according to ISO/ TR 25398:2006. At the same time, the actual application conditions have to be taken into consideration.
- Telehandlers, like wheel loaders, can be classified by operating weight.

**Hand-arm vibrations:**

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

# For us, quality only knows one standard that matters in the end: Your satisfaction in all matters.

For Weidemann, quality is not an empty word, but rather a daily living reality with German attributes. For a true Weidemann comes from one of the most modern wheel loader and telehandler production facilities. The newly inaugurated plant in 2007 guarantees a consistently high quality of our products. This results in safety, comfort and economic efficiency that you can always count on.

**Quality creates added value.**

The powder-coating represents another key feature of the special quality standard at Weidemann. In contrast to the conventional wet painting, it greatly increases the service life and is more efficient and also environmentally friendly in the process.

**1** High quality powder-coating.

**2–3** Sophisticated quality control of each machine.


1


2


3

**QUALITY IS GOOD, FINAL INSPECTION IS BETTER.**

Every Weidemann that leaves our plant has been subjected to a careful final inspection. This guarantees for our customers a high level of durability and reliability, a high level of operating and repair friendliness and low operating costs right from the start. For only what is labelled Weidemann has Weidemann quality inside as well. You can rest assured of that.

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