



The multifunctional Hoftracs®.

Powerful helper for every application.





# Compact and manoeuvrable Hoftracs®.

Needs-based equipment and powerful performance.



High off-road capability with articulated pendulum joint.
More on page 10



1260LP



1280



Flexibly selectable operator cabs. More on pages 12 – 13



1160





1390=

1390

1140Basic Line



# **Emission standard** and engine technology.

With Weidemann, you are well-equipped for the future!

In addition to the integration of an exhaust after-treatment in the form of a particulate filter, the adaptation of the machines to Stage V also requires 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 reduce emissions, but also contribute to the performance of the machines and they reduce fuel consumption by approx. 5 % - convincing arguments!

The diesel particulate filter (DPF) that is coming into circulation, which filters out the majority of the harmful soot filters, is automatically regenerated at corresponding temperatures by burning off the deposited particles during operation - without restrictions for operators or machines.

Base-model engines, under 19 kW, are installed in the Weidemann Hoftrac® series and therefore do not require an exhaust after-treatment to comply with the emission standard V. They are suitable for operators who necessitate less operating hours from their machine. For higher power demands there are more powerful engines available depending on the model. Here the exhaust emission stage V has been implemented through the installation of a diesel particulate filter (DPF) in combination with a diesel oxidation catalyst (DOC). Urea solution (DEF) must not be added with this technology.

# wedias 连

The Weidemann diagnostic and analysis system.

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 failures is a thing of the past. With help from the Weidemann diagnostics and analysis system, wedias, there are many functions, i.e. the driving function, the 3rd and 4th control circuit, engine data as well as the electrical functions, are quickly and clearly assessable. Error messages in the display immediately notify the operator of possible failures 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 diagnostics and troubleshooting. This saves time, money and nerves.

# EquipCare.

### Simply be better informed.

A modern fleet management is a good basis for the successful and economically beneficial application of working machines within your operation. With our telematics solution, Weidemann EquipCare, you will be able to keep an eye on your machine(s) all the time and you will know their status, availability and use in detail.

Comfortable and site-independent use is guaranteed via the EquipCare Manager (PC, laptop) and the EquipCare app (mobile end device).

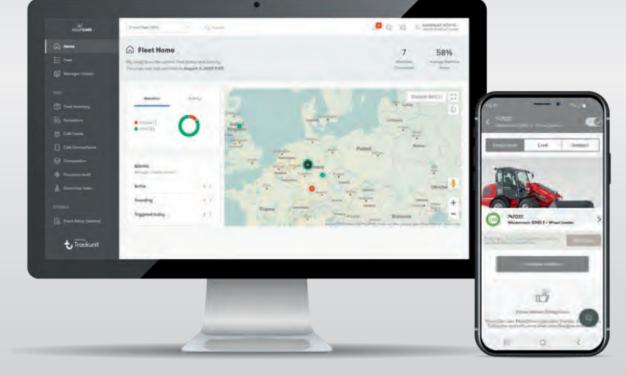
Weidemann machines can be equipped ex works with the EquipCare module, which excludes the need for a retrofit. You will receive your access details promptly before the delivery of your machine. However, should you wish to equip your existing machine with EquipCare, then our distributors will happily provide you with a retrofit.



#### EquipCare provides you with the following benefits:

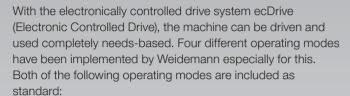
- Precise information on your machine's operating data (e.g. operating hours, engine load, travel speed, routes, etc.).
- Machine status (e.g. temperatures in the engine, cooling system and hydraulics, etc.).
- Machine fill levels (e.g. fuel, hydraulic oil, coolant, etc.).
- Improved service management with specific planning of notifications for maintenance, disruptions and repairs.
- With the remote diagnostics you can achieve shorter downtimes as the service partner already has a variety of information without viewing the machine on site.
- Simple progression of warranty cases as the causes of damage can be more easily identified.
- Protection against theft of the machine through geo-fencing and constant identification of location in real time. This enable better conditions with some insurance companies due to the tracking option.
- Improved machine running time and service life thanks to proactive communication.
- Higher resale value of used equipment.
- Compatibility with apps from other manufactures an option: with this you can develop your fleet management for your whole fleet.





### Weidemann ecDrive.

Electronically controlled drive system.



#### • Auto mode:

Ensures the usual 100 % performance of the machine.

#### • Eco mode:

The engine rpm is reduced to 2,200 rpm after achieving the desired travel speed so that it is possible to reduce the noise and save fuel.

Both other operating modes are specially designed for the application of hydraulically operated attachments and/or designed for the optimised execution of Y load cycles. One of the following two operation modes are selectable for this:



#### Electric parking brake.

The electric parking brake of the 1390 provides both an Auto-Hold and a Hill-Hold function. The brake automatically activates if the machine stands still, the travel direction is set to neutral or the operator leaves the seat. Likewise, the parking brake is automatically released if the machine is started up via the accelerator. Naturally, the brake can likewise be manually activated and deactivated by

# ( PRIVE

#### Attachment mode:

With this, you set the diesel engine's rpm with the hand throttle and regulate the travel speed with the drive pedal or speed limiter. With this assistance, speeds can be precisely set to the 0.10 km/h via the display. This guarantees a constant feed for the attachment. If the load on the attachment is too high (e.g. diverse silage before a mulcher), the machine automatically lowers the speed in order to make the highest possible amount of power available to the attachment. If the load is removed, the pre-set speed is reinstated. This is a speed regulator. If however, you would like to carry out the driving and reversing movements more quickly, you can override it at any time using the foot pedal and the machine can even be brought up to maximum speed.

#### • M-drive mode:

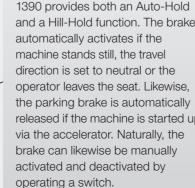
This mode is the right option for the optimal execution of Y load cycles. By doing this, you set the speed of the diesel engine with the throttle and control the travel speed or the longer necessary and execution of quick Y load cycles is

(Electronic Controlled Drive) is available for the 1390.

This mode perfectly supports the application of attachments.

control pressure with the foot pedal. As a result, inching is no

The electronically controlled drive system ecDrive



### Weidemann Direct Wheel Drive.

Our powerful and efficient drive concept.



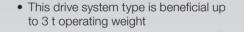
Normally a Hoftrac® is driven either by a hydrostatic drive with drive shaft, transfer box and axles or a hydraulic/hydrostatic drive via oil motors on the axles.

With the 1260LP, we decided upon another drive concept. With the Direct Wheel Drive (dwDrive), 4 wheelhub motors are installed directly on the wheels. This means that there is a motor on each wheel, which drives the respective wheel.

In doing so, the wheel hub motors are driven directly by the driving hydraulic pumps, whereby there is no mechanical loss. Aside from this, the wheel hub motors are protected against pressure peaks by a high-pressure fuse protection. Cavitation protection between the wheel hub motors also prevent the external motors from running dry when cornering.

#### The Direct Wheel Drive provides the following benefits:

- Efficiency increase through purely hydraulic drive system
- Excellent acceleration and as a result, responsive driving behaviour
- No power loss through the axles or transmission
- Higher ground clearance than drive shaft and drive system via the
- High pushing power through direct wheel drive
- Speed variable 0-20 km/h
- Combined brake-inch pedal
- Electric parking brake
- Maintenance-free hydraulic multi-disc brake

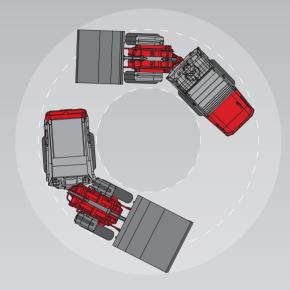






### The basic Weidemann virtues.

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



# Compact machines with a high level of manoeuvrability. Especially when things become tight, e.g. work in stables or storage areas, our Hoftracs® feature small radii and optimum manoeuvrability.



#### Machine with trailer.

The Weidemann Hoftracs® 1390 and 1390e can be towed on a trailer with a total weight up to 3.5 t with the trailer coupling – depending on the model and/or equipment. For operation on public roads in Germany the machine must be approved as a self-propelled work machine and may only be used within the intended framework. To find out about international regulations, please contact your local Weidemann distributor.



#### Variety in the outfitting.

The Weidemann Hoftracs® feature comprehensive and sturdy standard equipment. Furthermore, depending on the application purpose and preferences, e.g. The engine, axles, drive system, operator's cab or hydraulics can be individually configured. Your Weidemann is always custom-made. The standard equipment and available options for each model can be found at www.weidemann.com



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

Weidemann Hoftracs® always have all four wheels on the ground – in any situation, and on any terrain. And because the front and rear carriage can oscillate independent of each other, they react sensitively to every unevenness. The benefits: you always drive with maximum traction and no power is wasted.









#### Efficient change of attachments.

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







Changing attachments with additional function made easy!

Through the Weidemann ecs (Easy Coupler System), hydraulically powered attachments can be changed simply and safely completely from the operator's seat. The operator need not get out of the machine to manually connect the hydraulic couplings. This increases safety for the operator and protects the environment because less oil drips onto the ground; it also presents a significant time-saving, which increases productivity.

Choose your operator's compartment.

Smart solutions for all operating conditions.

#### Secure operator's canopy with restraint system.

Maximum safety that is state of the art. As a standard, Weidemann installs an operator's canopy with a restraint system on all Hoftrac® models. The operator's canopy and the restraint system for the operator conform to the current European machinery directive (2006/42/EG) for ROPS and FOPS protection. Depending on the model, a front and rear windscreen are optionally available to protect the operator against weather influences.





# Foldable canopy eps (Easy Protection System).

All Weidemann Hoftracs® (excluding 1260LP) can be optionally equipped with the fold-down operator's canopy eps. It also meets the current European machinery directive (2006/42/EG) for ROPS and FOPS protection. With a few hand movements, the eps can be prepared for a low clearance height.



# Comfo The spa (2006/4 great d comple attachn models

#### Comfortable cabin.

The spacious cabin meets the current European machine directive (2006/42/EG) according to ROPS and FOPS protection and offers a great deal of headroom and freedom of movement. Thanks to the complete glazing, the operator has an excellent overview of the attachments and the entire working area. You can find out the models for which the cabin is available on pages 38 - 39.













#### 1260LP - Low Position.

The lower seating position of the operator allows for a lower overall height of the machine. The 1260LP is equipped with a fixed, mounted operator's canopy as standard. A cabin is optionally available. The clearance height is under 2 m for both versions. Other benefits of the LP design: a low machine centre of gravity and therefore a bonus in terms of stability and comfortable access of the machine.



### Economic efficiency that's worth it.

Efficient work operation thanks to reliable technology.



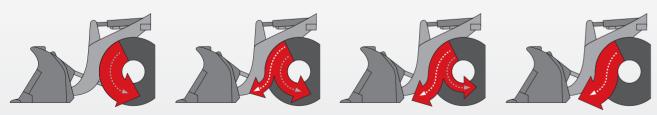


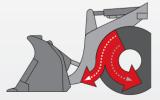
#### Work economically.

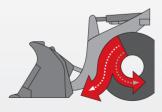
Economic efficiency is currently one of the most important features that Hoftracs® should bring to your business. The faster and more time-saving a machine can manoeuvre, the higher its performance. For Weidemann machines, economy means technically sophisticated solutions such as large lift height, strong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

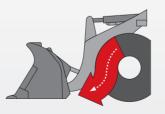
#### Connectible 100% differential lock.

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









#### 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 partially depressed, it is possible to travel at millimetre precision at crawling speed 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.



#### Perfectly coordinated kinematics.

The kinematics are adjusted to the size of the machine - this ensures optimal balances of power for every machine. On the one hand, the P-kinematics are available, their benefit lies in the precise parallel guidance across the whole lifting height. Building on this, there is the PZ-kinematics, which provides a combination of P-kinematics and Z-kinematics. It enables considerable lift and tear out forces. Which kinematics are available for which machine type? Find out more on pages 38 - 39.



#### Increased lift height and reach due to longer loading arm.

Depending on the machine type, you can optionally equip your Hoftrac® with a longer loading arm. Due to the longer loading arm, you can achieve an increased lifting height and do not need to directly switch to a larger machine.



#### Optimum ease of servicing.

The models of the Hoftrac® series are equipped with fold-down operator's cab and/or fold-down cabin (excluding 1190e, 1260LP and 1390e). This allows easy access to the engine, hydraulic system, and electronics. This facilitates maintenance of the machine. The wide hood can be opened widely, thereby allowing optimal access.



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

On all Hoftracs® and wheel loaders, Weidemann always includes two strong lift cylinders. This guarantees that the load distribution is always optimally changed over to the load arm. In addition, the entire loading system gains stability. The size of the hydraulic cylinder is always adapted to the size of the respective machine. This is gentle on both machine and material.



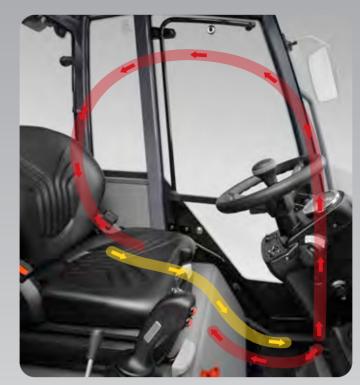


With its very large provision of space, the new comfort cab of the 1390 / 1390e is pioneering in the Hoftrac® sector. It has been optimised to the operator's requirements, provides many new features and provides a safe and comfortable working environment:

- 4-Pillar-design and panoramic rear windscreen for the best all-round visibility.
- Selective one-piece doors or two-piece doors with opening windows and possible gap ventilation.
- Cabin suspension with hydraulic mounts optimally protect the operator against vibrations and impacts.
- Optimised access with anti-slip steps guarantee safety when entering and exiting the vehicle.



- Coming Home lighting increases the level of safety in the dark (only 1390).
- New interior: colour-oriented operating concept and ergonomically arranged display enable safe and comfortable working conditions.
- Steering wheel that can be adjusted in height and incline, enabling ergonomic working conditions for every operator.
- Multifunctional joystick with many functions, familiar from larger wheel loaders.
- Heating and ventilation with optimised air circulation.
   Optional: powerful air-conditioning system (only 1390).
- Radio, USB connection, mobile phone holder, bottle holder and diverse storage compartments.



#### 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. Where external temperatures are particularly warm, an air-conditioning system is recommended (available for 1390).

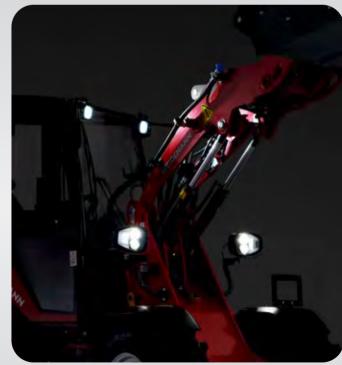


#### Ventilation as required.

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

#### Comfortable operator's seat.

The operator's seat is adjustable, ergonomically formed, and well suspended. The optionally available, air-cushioned comfort seat provides for concentrated work. The seats are heated for working in cold conditions.



#### Good all-round visibility and lighting.

The operator's canopy and/or cab provides an excellent overview of the attachments, the immediate work area and the entire area around the machine. The lighting can also be adapted to various requirements (standard lighting, lighting as per StVZO, LED lighting and additional headlamps on the operator's cab).

# A motivating working area.

Ergonomically arranged operating controls and simple handling.



# Well thought-out and operator-friendly – the joystick for the Hoftrac® series.

With the multifunctional lever and/or joystick the most important functions of the machine are all in one hand. Sturdy and sensitive control for all lifting and lowering movements and for the tilting out and in of the attachment with just one lever. Optionally, the joystick on some models can be supplemented with additional functions.



#### The joystick for the 1390 / 1390e (option).

The joystick lies securely and comfortably in your hand. The control is sturdy and sensitive at the same time. In this way, the operator always has the machine and its key functions under control.

Alongside the standard functions, e.g. the travel direction selection and the speed level, many other functions like the differential lock, the 3rd and 4th control circuits, High Flow and all electrical functions can be operated via the joystick, depending on the model. This leads to the comfortable one-handed operation of attachments.





#### Adjustable steering wheel and steering column.

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





#### The main functions always in sight.

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



#### 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.

# THINK ELECTRIC 1190=+1390 Original Hoftrac®: the indispensable multitool. A compact and sturdy design, low centre of gravity, small turning radius, powerful performance and a variety of attachments - these features identify our Hoftrac® and still determine its great success. Our eMachines connect the benefits of the classic Hoftracs® with a costefficient electric drive.

# Electric, emission-free and still innovative.

 ${\rm CO_2}$  exhaust emissions, noise and soot particles in buildings — a thing of the past! With our fully electric machines 1190e and 1390e, you can work completely emission-free and clearly quietly on site. This protects the operator and the valuable livestock in equal measure. And even the neighbours will rejoice over such a machine on your farm!

Weidemann has a sense of tradition in this matter: already since 2015, we have been successfully producing electrically driven Hoftracs® in series. Many of our customers have consciously decided upon the aforementioned benefits and would not do away without them in their everyday working life.

The lithium-ion battery is available in three performance capacities, so that running and charging times can be optimally coordinated to their working requirements.





The cabin of the 1190e enables the comfortable all-year-round use of the machine, e.g. even in winter service. It has been optimised to the operator's requirements, provides many new features and provides a safe and comfortable working environment:

- Despite compact design, sufficient space for the operator.
- Deep-drawn glazing and a reduced tail on the machine ensure the best all-round visibility.
- Electrically heated front and rear windscreens for optimal visibility whatever the weather.
- Good ventilation, even without air conditioning: door right and left for gap ventilation is lockable, door to right and left opens 180°, rear windscreen can be opened.
- Easy entry and exit with anti-slip steps.
- Multi-functional joystick: all the important functions in one hand.
- Well thought-out heating design for all requirements: standard heating, comfort heating with even more power, roof-panel heating, heated seat.
- Emergency-stop button provides high level of safety.
- New interior: colour-oriented operating concept and ergonomically arranged display enable safe and comfortable working conditions.
- DAB+ radio, right armrest height-adjustable, adjustable steering column, comfortable operator's seat (heated seat, air-suspended seat).

#### Low operating costs.

The running energy costs in case of a machine with diesel drive are considerably higher than in case of an electrically driven machine. The higher acquisition costs of the eMachine are recouped after some time and therefore this represents more economical investment throughout the period of use.

#### Always the right running time.

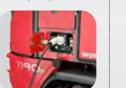
Depending on the battery size and model, a running time of up to 8 hr can be achieved with uninterrupted operation. The running times of the battery are strongly dependent on the respective application conditions, the work task and the manner of driving. This can also mean that a significantly longer running time can also be achieved.



#### Simple charging options.

The charging flap is easily accessible from the outside. Behind this, you will find the socket, the activation switch and the charge indicator. You will receive the charging cable (Type 2 plug on the machine side, familiar from the automotive industry) with a control box and a number of different plugs: 230 V/16 A Schuko, 230 V/16 A CEE (blue, 3-pole), 400 V/16 A CEE (red, three-phase current,

5-pole), 400 V / 16 A CEE (Type 2 plug Wallbox, IEC 62196) other adapter plugs. Viewed overall, the new flexible charging system provides you with an efficient and safe charging procedure.



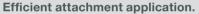
#### Battery Management System (BMS).

The lithium-ion battery is optimally monitored by the applied electronic system. The BMS also enables clearly increased charging currents, a short-term provision of performance peaks and permanent temperature monitoring. Also, the battery is always pre-warmed to the optimum operating temperature. The BMS thus increases the efficiency and safety of the battery and excludes the possibility of deep discharge.









The continuous adjustment of the oil volume of the 3rd control circuit enables the use of attachments, which are operated with hydraulic continuous function. With this, the oil volume can be individually adjusted to the respective attachment. This means the operator is able to work comfortably and efficiently with the machine and the attachment. You can also use the machine in stationary operation. The work hydraulics of the 3rd control circuit are used here to drive an attachment like a log splitter, for example.

#### Powerful lithium-ion battery.

You can select the appropriate battery size depending on your field of application and purpose. For the 1190e and 1390e there is a total of three, maintenance-free lithium-ion batteries to choose from. There is a 3 kW on-board battery charger installed for this as standard. Optionally available is a second 3 kW on-board charger, which increases the charging capacity to 6 kW, suitable for medium and large batteries, to achieve a fast charge time.

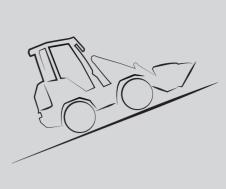






#### Needs-based performance.

Two separate electric motors are used in the machine: one for the drive and one for the drive system of the work hydraulics. This minimises the power consumption, because the performance is only drawn when it is really needed. The electric motor for the drive also allows a dynamic and powerful start-up of the machine. This can be felt in every acceleration process.



#### Electric parking brake.

The electric parking brake provides both an Auto-Hold as well as Hill-Hold function. The brake automatically activates if the machine stands still, the direction of travels is set to neutral or the operator leaves the seat. Likewise, the parking brake is automatically released if the machine is put into gear using the accelerator. Naturally, the brake can likewise be manually activated and deactivated by operating a switch. Also, the brake system enables gaining back the so-called recuperation energy, which also extends the machine's running time.



#### Simple maintenance.

The bonnet is opened upwards and the operator's seat as well as the diverse access covers are removed in just a few steps. This enables easy access to the hydraulic control block, the pumps, the battery and the electric motors. As a result of this, the easy and time-saving maintenance of the machine is guaranteed. A great advantage of the electrically powered machine is that clearly less maintenance is necessitated overall than a machine with a diesel engine.

#### The 1190e has received multiple international awards:



Equitana Innovation prize 2022 Germany



Sommet de l'élevage Sommet d'Or 2022 France



Farm Machine 2023 France



German Innovation Award 2023 Germany



# Our quality promise.

Weidemann "Made in Germany".

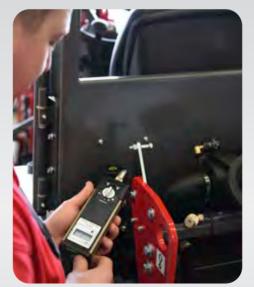
At Weidemann, quality is not an empty promise, but rather a daily living reality. A true Weidemann comes from one of the most modern wheel and telehandler production facilities in Europe. The plant in north-Hessian Korbach guarantees a consistently high quality of our products. At Weidemann, quality 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.



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, powder-coating 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.

# Certified management system.

Weidemann is certified according to different standards:

#### **DIN EN ISO 9001 Quality Management**

Our processes are designed in such a way that our product and service quality fulfil both the customer requirements and the requirements of the laws and standards.

#### **DIN EN ISO 14001 Environmental Management**

Our processes and activities are interdependent on the environment. These are illustrated in a management system and are subject to constant inspection and improvement.

#### **DIN EN ISO 50001 Energy Management**

Determination of energy consumption within the Weidemann organisation is continuously measured and always optimised with an company-wide energy efficiency system.









































# The optimal attachment for every task.

Your machine becomes a multi-tool.

Only the right attachment makes our machines into true problem solvers for your respective work task. With the richly varied and well-thought-out product range, our machines become highly functional multi-tools that meet any application. Here you can see a selection of attachments and activities, which can easily be completed using those.





You can find all ex works attachments at: www.weidemann.com

You can obtain more information from your Weidemann distributor.

# The matching options for your business.

Individual, need-based and economical.



# A separate 4th control circuit that is operated independently and individually:

The machine is equipped with a dual-acting auxiliary control circuit.

#### Advantage:

 Enables the use of hydraulic attachments with several connections and functions (e.g. a round bale stacker or snow blower).



#### Speed increase to 30 km/h:

The machine is equipped with a speed of 30 km/h.

#### Advantage:

- Faster transposing of the machine is possible.
- Time savings and increased economic efficiency.



#### Electrical connections (front and rear):

Connections for electrically operated additional functions of attachments (e.g. rotary sweeper with water-spraying equipment).



- This enables the operation of electrically operated auxiliary functions of attachments.
- The switch-over of additional functions of hydraulic attachments is possible.



#### **High Flow**

The machine is equipped with High Flow high performance-hydraulics.

#### Advantage:

• Enables the operation of front attachments demanding a lot of oil (like a snow blower).



#### Hand-inching:

With the low-speed control, very slow travel speeds can be achieved at a constant engine speed.

#### Advantage:

 When using attachments that, for example, are operated with a constant high rpm but simultaneously with a low travel speed (e.g. a rotary sweeper), you do not have to constantly operate the foot inching pedal.



#### Counterweight:

The machine becomes heavier with a counterweight (base plate on the rear) and cast iron tail weight.

#### Advantage:

• A higher tipping load is achieved and heavier loads can be transported with constant dimensions.



#### Dual tyres:

Equipped with two auxiliary tyres on the front axle.

#### Advantage:

• The front axle is widened with the auxiliary tyres, which provides a higher level of stability.



#### Pressureless return:

The hydraulic oil returns in a separate line via the hydraulic filter into the hydraulic oil tank.

#### Advantage:

 Attachments with their own hydraulic motor can guide the return oil without increased dynamic pressure back in the hydraulic oil tank.

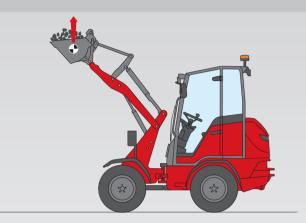
## Lift capacity, tear out force and tipping load.

#### **General Information.**

Attention: the tipping load changes depending on the different equipment features of a machine (e.g. operator's cab / cabin, tail weight, engine, tyres, etc.). The net weight of the different attachments likewise plays a role here.

#### Important to consider:

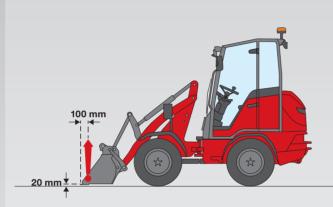
If you compare the tipping loads and lift capacities of different manufacturers, please ensure that they have been determined in accordance with the ISO 14397-1 and 2 standard! Values that are determined outside of this standard are not to be considered as relevant for a valid comparison! Therefore, values that have, for example been determined by other load distances, are definitely not comparable! Good to know: tipping loads that have been determined in a pivoted status are strongly dependent on the pivot angle of the machine. Weidemann determines these values in a fully locked state. Therefore, when comparing with other manufacturers observe the applied pivot angle.



#### Lift capacity (max.)

The maximum lifting force in the bucket's centre of gravity is measured as follows by Weidemann:

- Determination of the lift capacity in the centre of gravity of the contents for the attachment bucket.
- Measured in the status of the horizontal machine with loading frame moving upwards until the maximum lifting force is reached.

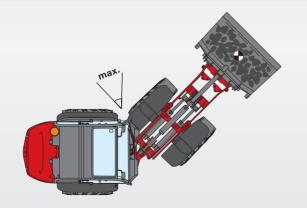


#### Tear out force (max.)

The maximum tear out force at the bucket's edge below is measured by Weidemann in accordance with the standard ISO 14397-2, this means:

- Determination of the tear out force incl. bucket attachment, 100 mm behind the bucket peak.
- Measured with the machine in a straight state and the loading frame is in position below, the bucket is 20 mm above the ground.

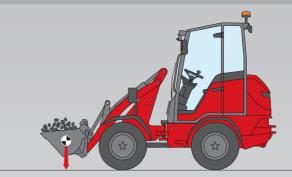


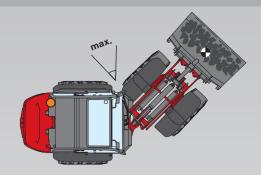


#### Tipping load with bucket, machine straight and/or pivoted, loading frame horizontal

The maximum load weight of a machine is known as the tipping load. This is reached when the rear wheels of the machine lose contact with the ground. The tipping load is measured by Weidemann in accordance with the standard ISO 14397-1, this means:

- Bucket: measurement in the bucket's centre of gravity (not in the bucket pivot point).
- Measured when the machine is in a straight or pivoted state.
- The loading frame is in a horizontal position.



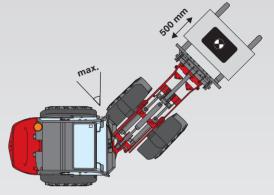


#### Tipping load with bucket, machine straight or pivoted, loading frame lowest position

The maximum load weight of a machine is known as the tipping load. This is achieved when the rear wheels of the machine lose contact with the ground. The tipping load in the lowest position is measured as follows by Weidemann:

- Bucket: measurement in the bucket's centre of gravity (not in the bucket pivot point).
- Measured when the machine is in a straight or pivoted state.
- The loading frame is in the lowest position and the bucket is rolled in to max.

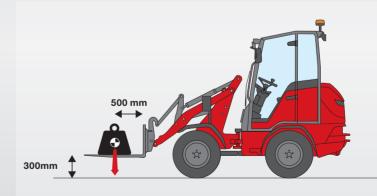


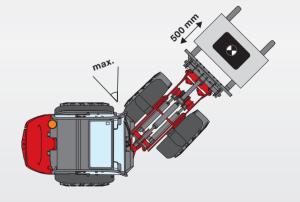


#### Tipping load with pallet fork, machine straight or pivoted, horizontal loading frame

The maximum load weight of a machine is known as the tipping load. This is reached when the rear wheels of the machine lose contact with the ground. The tipping load is measured by Weidemann in accordance with the standard ISO 14397-1, this means:

- Pallet fork: measurement at the fork's upper edge, weight positioning 500 mm from the back of the fork. Important to consider: please compare the information provided by the different manufacturers with this distance. Other presentations/values are not permitted in accordance with the standard and are therefore not comparable!
- Measured when the machine is in a straight or pivoted state.
- The loading frame is in a horizontal position.





#### Tipping load with pallet fork, machine straight or pivoted, transport position

The maximum load weight of a machine is known as the tipping load. This is reached when the rear wheels of the machine lose contact with the ground. The tipping load in transport position is measured as follows by Weidemann:

- Pallet fork: measured on the upper edge of the fork, 300 mm from the ground, weight position 500 mm from the back of the fork. Important to consider: please compare the information provided by the different manufacturers with these distances. Other presentations/values are not comparable!
- Measured when the machine is in a straight or pivoted state.
- The loading frame is in the transport position.

# Technical data.

	1140 1140 Basic Line	1160	1260LP	1280	139	1390	
ENGINE DATA							
Engine manufacturer	Perkins	Perkins	Perkins	Perkins	Standard engine Yanmar	Optional engine  Yanmar	
Engine manufacturer  Engine type	403 J-11	403 J-11	403 J-17	403 J-17 T	3TNV80FT	3TNV86CHT	
Cylinders	3	3	3	3	3	3	
Engine output kW	18.4	18.4	18.4	18.4	18.4	33.3 / 40.1	
Engine output hp	25	25	25	25	25	45.3 / 54.5	
at max. speed rpm	2,800	2,800	2,800	2,800	2,600	2,600	
Displacement cm <sup>3</sup>	1,131	1,131	1,663	1,663	1,226	1,568	
Type of coolant	Water	Water	Water	Water	Water	Water	
Emissions standard level	V	V	V	V	V	V	
Exhaust emissions after-treatment		_	-	_	_	DOC/DPF	
ELECTRICAL SYSTEM							
Operating voltage ∨	12	12	12	12	12		
Battery Ah	77	77	77	77	77		
Alternator A	40	40	85	65	80		
WEIGHTS							
Operating weight kg	1,550 – 1,750*	1,850 – 2,250*	1,800 – 2,250*	2,380 - 2,550*	2,750 -	*	
Lift capacity (max.) daN	1,653	1,777 – 1,811*	1,779 – 2,395*	1,965 – 2,063*	2,448 –		
Tear out force (max.) daN	1,462	1,778 – 1,824*	2,069 – 2,582*	1,939 – 2,058*	2,158 –	-	
Tipping load with bucket - machine straight, loading frame horizontal kg	670 – 900*	1,070 – 1,450*	1,160 – 1,690*	1,380 – 1,780*	1,520 –		
Tipping load with bucket – machine pivoted, loading frame horizontal kg	490 – 690*	810 – 1,220*	980 – 1,440*	1,150 – 1,480*	1,230 –		
Tipping load with bucket – machine straight, loading frame in lowest position kg	1,280 – 1,640*	1,920 – 2,570*	1,770 – 2,760*	2,400 – 3,050*	2,250 –	·	
Tipping load with bucket – machine pivoted, loading frame in lowest position kg	980 – 1,230*	1,500 – 2,140*	1,490 – 2,340*	2,010 – 2,570*	1,850 –	-	
Tipping load with pallet fork - machine straight, loading frame horizontal kg	520 – 670*	820 – 970*	890 – 1,260*	1,080 – 1,410*	1,270 –	<u> </u>	
Tipping load with pallet fork – machine pivoted, loading frame horizontal kg	390 – 500*	620 – 870*	740 – 1,080*	980 – 1,160*	1,030 –	-	
Tipping load with pallet fork – machine straight, transport position kg	760 – 950*	1,140 – 1,430*	1,070 – 1,580*	1,540 – 1,980*	1,480 –	<u> </u>	
Tipping load with pallet fork - machine pivoted, transport position kg	560 – 710*	890 – 1,170*	900 – 1,340*	1,280 – 1,650*	1,220 –	1,850*	
OPERATOR'S CAB							
Operator's cab (optional)	FSD (eps)	FSD (eps, cabin)	FSD (cab)	FSD (eps, cabin)	FSD (eps	, cabin)	
CAPACITIES							
Tank volume for fuel	21	20	18	45	50	)	
Tank capacity hydraulic oil	18	20	18	27	30		
DRIVE SYSTEM							
Type of drive	Hydraulic (hydrostatic)	Hydrostatic	dwDrive (Direct Wheel Drive)	Hydrostatic	ecDrive (Electronic	,	
Drive	Oil engine	Universal joint shaft	Hydrostatic across four wheel hub motors	Universal joint shaft	Hydrostatic and PTO ge		
Axle (optional)	K75 (K90)	T80 (T94)	_	T94	T94 (P.	,	
Travel speed (optional) km/h	0-12 (13)	0 – 20	0 – 20	0 – 20	0-20		
Differential lock	_	100% FA + RA (option)	_	100% FA + RA (option)	100% FA +	RA (option)	
HYDRAULIC SYSTEM							
Drive hydraulics working pressure (max.) (optional) bar	215 (305)	305	420	370	380 (400	)-470)	
Work hydraulics discharge volume (max.) (optional) I/min	30.8	30.8	44.8	44.8	41.6 (49	.5-84)	
Work hydraulics working pressure (max.) (optional) bar	205	225	185 (225)	185	210		
KINEMATICS							
Kinematics type (optional)	Р	P	P	P	P (F	7)	
Quickhitch system (optional)	Mechanical (hydraulic)	Mechanical (hydraulic)	Mechanical (hydraulic)	Mechanical (hydraulic)	hydra		
<b>Quickinton system</b> (optional)	ivicci iai iical (Hyuraulic)	iviculariicai (Hyurdulic)	meenanea (nyuraune)	ivico iariicai (Hyurdullo)	riyura	uiio	
NOISE CHARACTERISTIC VALUES							
Averaged sound power level LwA dB (A)	99.7	98.4	101	99.7	99		
Guaranteed sound power level LwA dB (A)	101	101	101	101	10		
Specified sound pressure level LpA dB (A)	85	85	84	82	84		

\*With optional equipment FSD = operator's canopy eps = Easy Protection System (fold-down operator's canopy)

DPF = diesel particulate filter DOC = diesel oxidation catalyst There may be short-term changes in the engines because of the constantly evolving emission standards. For current availabilities, you can contact your Weidemann distributor.

More information can be found at www.weidemann.com

# Technical data.

DATTERY	1190e			1390e			
BATTERY							
Battery type	Lithium-ion 48			Lithium-ion			
Battery voltage ∀	Standard	Battery	Pottony	Standard	96 Battery	Battery	
	battery	option 1	Battery option 2	battery	option 1	option 2	
Battery capacity (gross) kWh	14.1	18.7	23.4	14.1	18	28	
Battery weight*kg	132	148	165	153	186	244	
Charging time (from 0% to 100%) h	4 - 6*	3 – 8*	4 – 10*	4.7 - 6*	3.2 - 7.5*	5.5 – 11.5*	
Best possible charging time (from 20 % to 80 %) h	2.9*	1.9*	2.4*	2.9*	1.8*	2.7*	
Running time (uninterrupted) h	up to 3.27**	up to 5.07**	up to 7.30**	up to 2.5**	up to 3.5**	up to 5.3**	
ELECTRIC MOTOR							
	•	EN60034-1			ECE R085		
Engine drive system kW		6.5		33.1			
Engine work hydraulics kW	8.5			21.2			
ELECTRICAL SYSTEM							
Operating voltage ∨		12			12		
WEIGHTS							
Operating weight kg	2,170 - 2,350***		2,700 – 3,200***				
Lift capacity (max.) daN	1	,778 – 1,811	***	2	,448 – 3,592	***	
Tear out force (max.) daN	1,871 – 1,917***		2,158 – 3,492***				
Tipping load with bucket - machine straight, loading frame horizontal kg	1,320 – 1,680***		1,670 – 2,280***				
Tipping load with bucket - machine pivoted, loading frame horizontal kg		1,090 – 1,360***		1,410 – 2,020***			
Tipping load with bucket - machine straight, loading frame in lowest position kg			2,470 - 3,560***				
Tipping load with bucket – machine pivoted, loading frame in lowest position kg	1,690 – 2,280***		2,090 – 3,130***				
Tipping load with pallet fork – machine straight, loading frame horizontal kg	1,000 – 1,210***		1,370 – 1,870***				
Tipping load with pallet fork – machine pivoted, loading frame horizontal kg	820 – 970***		1,160 – 1,660***				
Tipping load with pallet fork – machine straight, transport position kg	1,210 – 1,510***		1,610 – 2,260***				
Tipping load with pallet fork - machine pivoted, transport position kg	1,000 – 1,210***		1,370 – 2,000***		)***		
	ı						
OPERATOR'S CAB	_	00/		_	00 /		
Operator's cab (optional)	F	FSD (eps, cabin)		FSD (eps, cabin)		oin)	
CAPACITIES							
Hydraulic oil tank capacity		20		30			
	ı						
DRIVE SYSTEM							
Type of drive	Electrical		Electrical				
Drive	Universal joint shaft		Universal joint shaft		snatt		
Axle	T80		PA940		<b>5</b> \		
Travel speed (optional) km/h	0 – 15		0 – 15 (20, 25)				
Differential lock		_		1005	% FA + RA (o	pption)	
HYDRAULIC SYSTEM	I						
Work hydraulics discharge volume (max.) (optional) I/min		32			44		
Work hydraulics discharge volume (max.) (optional) bar		225		210			
Horn Hydraulies working pressure (max.) (optional) bar		220			210		
KINEMATICS	I						
Kinematics type (optional)	1	Р		P (PZ)			
Quickhitch system (optional)		Hydraulic		Hydraulic			
and a second control of the control		,			,		
NOISE CHARACTERISTIC VALUES	I						
Average sound power level LwA dB (A)	l	85.1			86		
Guaranteed sound power level LwA dB (A)		87			87		
Specified sound proseure level LWA dB (A)	75 76		7/				















Specified sound pressure level LwA dB (A)

eps = Easy Protection System (fold-down operator's canopy)

FSD = operator's canopy

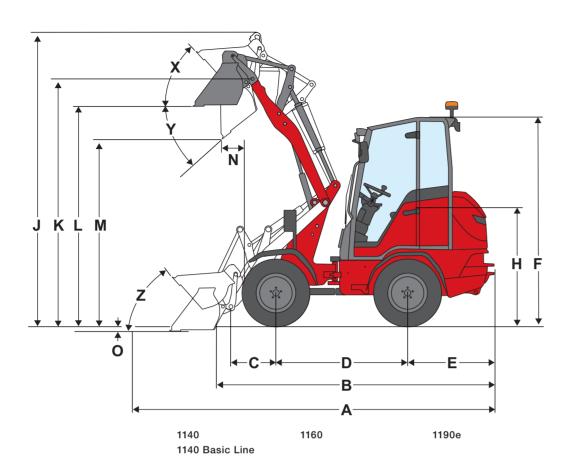
\*\* The running times of the battery are dependent on the respective application conditions, the work task and the driving style. This can also mean that a longer running time can also be achieved. The specified running times can also be fallen short of in extreme cases. The specified running times relate to uninterrupted operation and work with the machine. \*\*\* With optional equipment

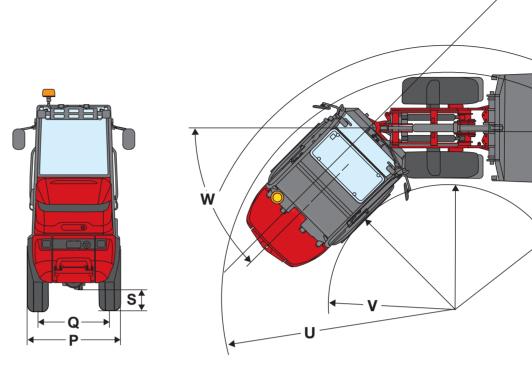
\* The charging time depends on the different charging options. On-board battery charger 3 kW (standard), with additional on-board charger overall 6 kW (option). The following charger plugs are available: 230 V/10 A Schuko, 230 V/16 A CEE (blue, 3-pole), 400 V/16 A CEE (red, three-phase current, 5-pole), 400 V/16 A (type 2 plug wall box, IEC 62196) and other adapter plugs.

75-76



# Dimensions.





1390 P-kinematics-PZ-kinematics 1390e P-kinematics-PZ-kinematics

43

DIMENSIONS
DIMENSIONS
Tyres
A Total length mm
B Total length (without bucket) mm
C Bucket pivot point (to centre of axle) mm
D Wheel base mm
E Rear overhang mm
F Height with fixed driver protection roof mm
Height with fold-down operator's canopy (eps) mm
Height with fold-down operator's canopy (eps), flipped mm
Height with cab mm
H Seat height mm
J Total working height mm
K Bucket pivot point (max. lifting height) mm
L Load-over height mm
M Dumping height mm
N Coverage (for M) mm
O Digging depth mm
P Total width mm
Q Track width mm
S Ground clearance mm
T External radius max. mm
U Radius on outer edge mm
V Internal radius mm
V Internal radius mm W Articulation angle °
W Articulation angle °

7.00 – 12 AS ET40	10.0 / 75 – 15.3 AS ET10	255 / 75 – 15.3 Starco AS–Du. ET–10	27 x 8.50 – 15 EM ET30	10.0 / 75 – 15.3 AS ET80	10.0/75 – 15.3 AS ET40	10.0/75 – 15.3 AS ET40
3706	3,983	3,697	3,830	4,053	4,470-4,630	4,475-4,630
2,733	3,005	3,061	3,240	3,321	3,570-3,730	3,635-3,795
496	508	509	505	534	603-720	600-720
1,345	1,468	1,468	1,670	1,623	1,732	1,732
779	917	971	955	1,054	1,230	1,232
2,124	2,237	2,289	1,980	2,255	2,320	2,340
2,227	2,341	2,366	_	2,373	2,375	2,395
1,937	1,928	1,970	_	1,856	1,870	1,910
_	2,302	2,331	1,990	2,280	2,340	2,340
1,142	1,273	1,322	1,000	1,320	1,330	1,350
3,415	3,423	3,278	3,050	3,461	3,660-3,830	3,680-3,850
2,734	2,740	2,740	2,510	2,872	3,004-3,200	3,024-3,220
2,405	2,421	2,466	2,220	2,544	2,680-2,880	2,700-2,905
1,807	1,799	2,047	1,790	2,067	2,120-2,380	2,140-2,400
550	498	265	80	265	235-400	235-400
113	97	53	120	37	80-127	60-107
850	1,044	1,080	980	1,044	1,124	1,124
660	780	824	761	780	860	860
190	255	249	208	230	250	250
2,140	2,592	2,645	3,100	2,846	3,000-3,340	3,000-3,340
1,570	2,138	2,379	2,730	2,546	2,710-2,980	2,730-3,005
600	1,017	1,205	1,610	1,423	1,520 – 1,810	1,526 – 1,815
55	50	45	43	45	45-40	45-40
50	50	50	49	47	42 – 57	42-57
39	40	40	50	44	43-37	43-37
48	49	49	48	48	51 – 50	51 – 50

1280

1260LP

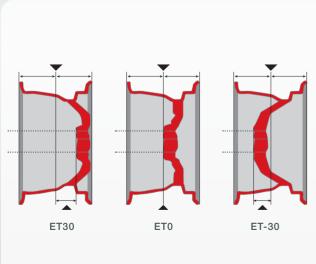
All values with standard loading system, for optional loading system values see www.weidemann.com

### Tyre description.

Tyre names look rather cryptic at first glance - they are generally made up of schematic information. The following examples will explain what this has to do with the wheel offset and what the numbers and letters in the tyre name stand for.







#### Wheel offset explanation:

The inside rim is on the left, the outside rim is on the right and the scored line highlights the axle.

- ET30 = If a narrow tyre with a positive wheel offset is selected the tyre does not widen the overall width of the machine, where applicable. This is suitable if the machine needs to clear narrow routes.
- ET0 = A compromise between narrow machine width and good stability.
- ET-30 = If a tyre is selected with a negative wheel offset, the tyre extends the overall width of the machine, where applicable. A wide tyre and contact area increases stability.

### Tyre treads.



#### EM tread

Thanks to the almost parallel running 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.



S tread

The tapered lamellas ensure safe driving, especially on smeary and dirty terrain.



SureTrax tread

The SureTrax tread impresses with a large contact surface as well as a high lift capacity. It is ideal for solid and other hard surfaces.



#### RP tread

Due to the large contact surface, the ground is traversed gently. This makes the RP tread particularly suitable for application on lawns.



#### MPT tread

The MPT profile offers the perfect combination of good traction on uneven ground conditions as well as 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.

Standard deviation (s)

1,4\*s<sub>v</sub>

 $[m/s^2]$ 

0.29

0.20

0.31

0.35

0.32

 $[m/s^2]$ 

0.13

0.14

0.17

45

1,4\*s,

 $[m/s^2]$ 

0.27

0.23

0.47

0.33

0.29

### Vibration characteristic values.

Typical operating conditions	Mean value			
	1,4*a <sub>w,eqx</sub> [m/s <sup>2</sup> ]	1,4*a <sub>w,eqy</sub> [m/s <sup>2</sup> ]	a <sub>w,eqz</sub> [m/s <sup>2</sup> ]	
Load & carry (load and transport work)	0.94	0.86	0.65	
 Load & carry (load and transport work)	0.84	0.81	0.52	
Application in quarrying (harsh application conditions)	1.27	0.79	0.81	
Delivery drive	0.76	0.91	0.29	

0.99

#### Whole-body vibrations:

**VIBRATIONS** 

LOAD TYPE

Wheel loader

Compact wheel loader

(operating weight < 4,500 kg)

(operating weight > 4,500 kg)

• Each machine is equipped with an operator's seat that meets the requirements of EN ISO 7096:2000.

V-operation

- 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/s<sup>2</sup>.

Which tyre is available for which machine, find out more at www.weidemann.com



# WEIDEMANN

# designed for work

# Weidemann - traditionally efficient.

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 end 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 with a work operation that never fails to impress. 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 in the respective countries also offer various financing options at the international level. Get in touch with your local partner to find out more 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. And if you would simply like to know more, contact your dealer. They are just around the corner and will be happy to help without bureaucracy.

#### Speed is of the essence in the spare parts department!

As our Weidemann machines are generally in use daily by you, your machine must be repaired as quickly as possible, if necessary. To achieve this, Weidemann provides a central spare parts warehouse and enables the specialist dealers an electronic 24-hr order service and delivery within Europe within 24-hr. Many of our dealers maintain stock of a good range of spare parts and maintenance items so that the most popular parts are available on site.



# WEIDEMANN designed for work

### The Weidemann product range.



The multifunctional Hoftracs®.

Powerful helper for every application.



The compact telehandler.

Aim high with optimal stability.



The powerful wheel loader.

Available either with load arm or telescopic arm.



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

#### Weidemann GmbH

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