

Hoftrac®



**WEIDEMANN**  
*designed for work*



**The multifunctional Hoftrac®.**  
Powerful helper for every application.

Including  
**eHoftrac®**



## Your very own Hoftrac®.

Compact design, low centre of gravity, small turning radius and powerful performance – these features have characterised the Hoftrac® series and still determine the success of our machines.

Our base models offer you the starting basis for a tailored-to-suit outfitting of your machine. With the lower priced entry models, you receive the option to freely configure your machine: Choose from among the numerous options the ones that you need for your application. You can rest assured that your machine corresponds entirely to your individual needs. And the best thing about the Hoftrac® concept: With our series, you only pay for what you really need.

# Compact and manoeuvrable Hoftrac®.

Tailored-to-suit fit out and powerful performance.

A feel-good working area.  
More on pages 12 - 15.



Efficient tool change.  
More on page 7.

Serviceability with the laterally  
tiltable operator's cab.  
More on page 11.



Excellent corrosion resistance  
thanks to the powder-coating.  
More on pages 22 - 23

Flexibly selectable operator's cabs.  
More on pages 8 - 9

Road capability with  
articulated pendulum joint.  
More on page 6.



1140  
1140 Basic Line

1160

1160 eHoftrac®

124OLP

1260

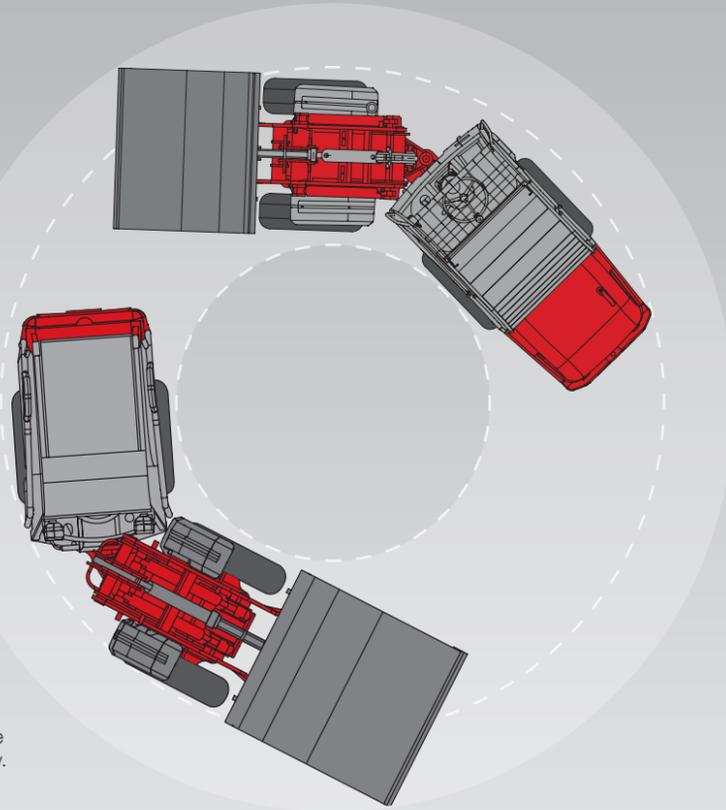
1280

1380

1880

## 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 and storage areas, our Hoftrac® feature small radius and optimum 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 Hoftrac® becomes a universal multi-tool. You can find more about this on pages 24-27.



### Machine with trailer.

Thanks to the ball hitch, the Weidemann Hoftrac® 1260, 1380 and 1880 can pull a trailer with a total weight between 2.5 and 3.5 t – depending on the model. In Germany, the machine must be approved as a self-propelled work machine with ball hitch or as a tractor. To find out about international regulations, please contact your local Weidemann distributor.



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

Weidemann Hoftrac® always stand with all four wheels planted firmly on the ground – in every situation, on any terrain. Since 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 Hoftrac® feature comprehensive and sturdy standard equipment. Depending on application and preferences, the engine, shafts, drive, operator's cab or hydraulics can be individually configured. Your Weidemann is always custom-made. A selection of the standard equipment and options available can be found on page 33 and at [www.weidemann.de](http://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.

# 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 meet the current European machine directive (2006/42/EC) for ROPS and FOPS protection. Depending on the model, front and rear windows are optionally available to protect the operator from the weather.



### Foldable operator's canopy (Easy Protection System).

Optionally, all Weidemann Hoftrac® (exception 1240LP and 1880) can be fitted out with the fold-down operator's canopy eps. It also meets the current European machine directive (2006/42/EC) for ROPS and FOPS protection. With a few hand movements, the eps can be manually prepared for a low clearance height.



### Hydraulically lowerable operator's canopy epsPlus (Easy Protection System Plus).

The optionally available epsPlus is a hydraulically lowerable operator's canopy, which the operator can operate from his seat. It solves the problem of low clearance heights and considerably facilitates work on the job. The epsPlus is a convenient solution with enormous time savings and high safety standards - available for 1160, 1160 eHoftrac® and 1260.



### Comfortable cabin.

The spacious cabin meets the current European machine directive (2006/42/EC) for 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. For which models the cabin is available, see page 33.

Awarded with:



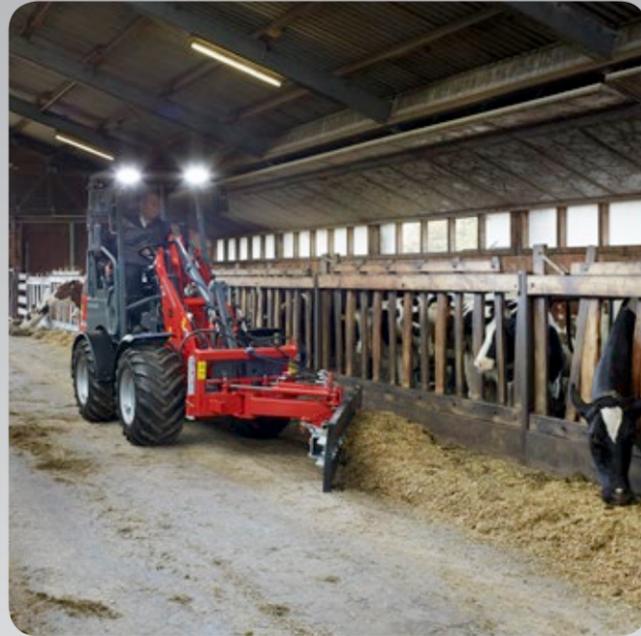
### 1240LP - Low Position.

The lower seating position of the operator allows a lower overall height of the machine. Other advantages: ground-level machine centre of gravity and a convenient exit.



# Economic efficiency that's worth it.

Efficient work operation thanks to reliable technology.



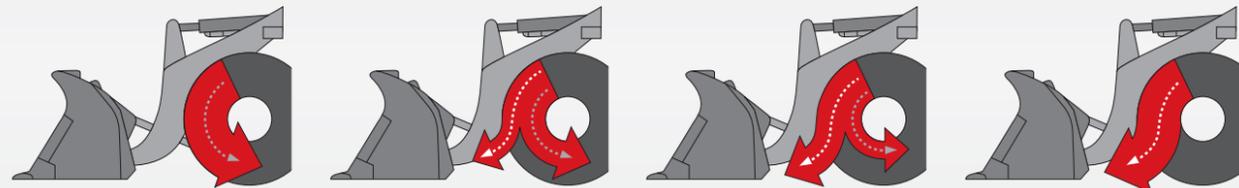
### Work economically

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



### Connectible 100% differential lock.

The connectible 100% differential lock provides maximum traction and pushing power 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, 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.



### Perfectly matched kinematics.

The kinematics are adjusted to the size of the machine - this ensures optimal balances of power for every machine. On one hand, the P kinematics is available; its advantage is the exact parallel guidance over the entire lifting range. Based on this, there is a PZ kinematics which is a combination of P kinematics and Z kinematics. It allows significant lifting and shearing forces. See pages 34 - 35 to check which kinematics is available for which machine type.



### Increased lifting height due to longer load arm.

Depending on the machine type, you can optionally fit out your Hoftrac® with a longer load arm. Due to the longer load arm, you can achieve an increased lift height and do not need to directly switch to a larger machine if required.



### Optimum ease of servicing.

The models of Hoftrac® series are equipped with a tiltable operator's cab or a tiltable cab (exception 1240LP). 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 optimal access.



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

In all Hoftrac®, Weidemann always includes two strong lift cylinders. This ensures 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.

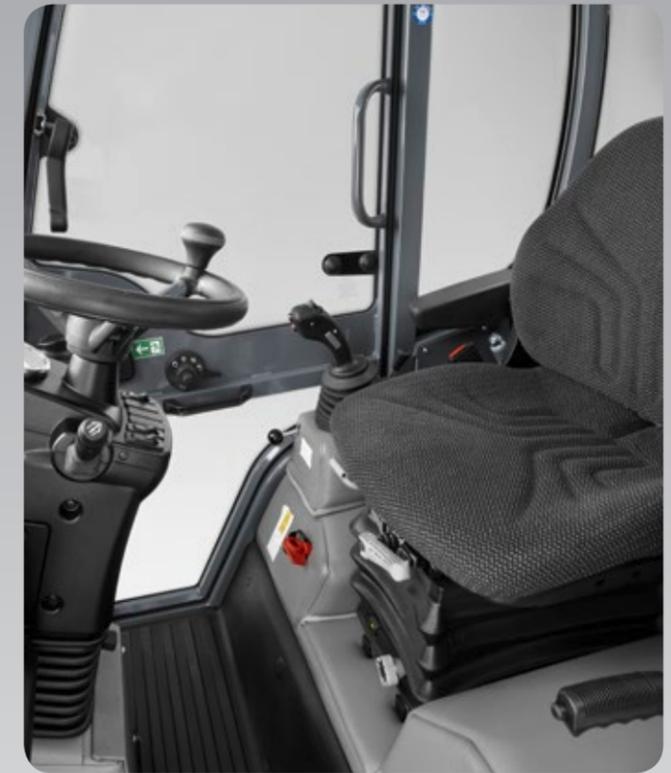
## High level of operating and driving comfort.

Optimal visibility and good working environment.



### Good all-round visibility and lighting.

The operator's canopy or the cab provides an excellent overview of the attachments, the immediate working area and the entire machine surroundings. In addition, the lighting can be adapted to different requirements (standard lighting, lighting according to StVZO, LED lighting and additional headlights on the loader unit).



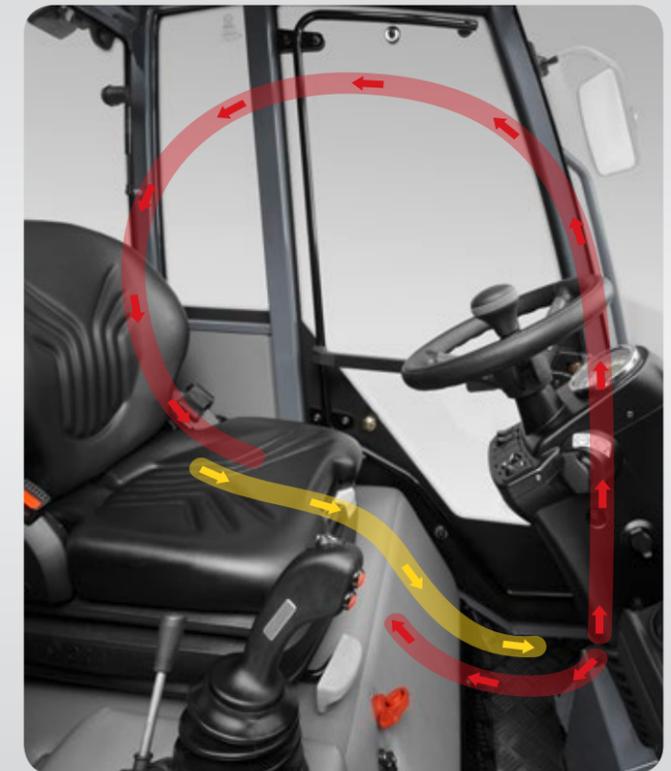
### Comfortable operator's seat.

The operator's seat is adjustable, ergonomically formed, and well suspended. The optional air-suspended comfort seat ensures fatigue-free work. The seats are heated for working in cold conditions.



### Ventilation as required.

The cabs possess large, wide-opening doors on both sides. In some models, the upper window can also 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 (available for 1880).

## A motivating working area.

Ergonomic operator's controls and simple handling.



### Tried and tested and operator-friendly – the joystick for Hoftrac® series.

With the multifunction lever or joystick the entire machine can be controlled with one hand. Sturdy and sensitive control for all lifting and lowering motions 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.



### Joystick for the 1880.

The joystick of the 1880 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 that can be operated on the joystick, the continuous operation of the 3rd control circuit can be activated via a rocker switch – and also in both directions, by moving the thumbwheel.

The optional function of the 4th control circuit can also be operated proportionally via the joystick. 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.



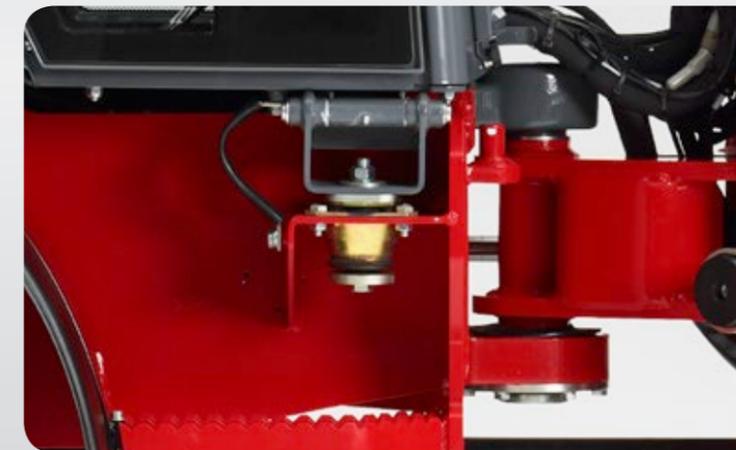
### Adjustable steering column.

Thanks to the adjustable 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 personalised ergonomic working area.



### The main functions always in sight.

With the 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 (varies depending on the machine model).



### 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 1160 eHoftrac®

Original Hoftrac. 100% electric.



#### **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. The 1160 eHoftrac® combines the advantages of the traditional Hoftrac® with the drive type of the future.

#### **100% electric: Technology that excites.**

A lead-acid battery drives the eHoftrac® to peak performances – and only requires an electrical connection with 230 volts to do so. 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 power 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.

# The 1160 eHoftrac®.

The innovation for your business.

Die Weidemann Hoftrac® are usually deployed for several hours of stable work in early mornings and late evenings. The classic 1160-series Hoftrac® has been used by Weidemann as the first fully electric eHoftrac®. One battery charge suffices for a work application of 2 to 5 hours, depending on the application conditions. This working duration is quite sufficient for machines in such a performance category under normal conditions. The concept of the eHoftrac® is based on many years of tried and proven high-volume technology from conveying technology.

**Main relay:**

Supplies power from the battery to the electric load.

**Frequency inverter:**

Converts direct current from the battery into a 3-phase AC, which is required from both electric motors.

**On-board charger:**

Enables flexible charging from any 230 V outlet.

**Control unit:**

Controls the drive system and the work hydraulics.

**Battery:**

Supplies the required power to both electric motors.



The 1160 eHoftrac® has received multiple international awards:

Eima  
innovation award 2014  
Italy

Agra  
innovation award 2015  
Bulgaria

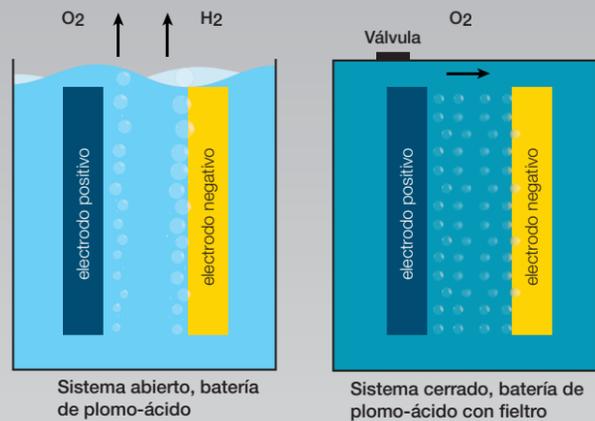
Equitana  
innovation award 2015  
Germany

demo park  
innovation award 2015  
Germany



# Battery technology that convinces.

Work efficiently with AGM technology.



## Advantages of the new AGM battery in 1160 eHoftrac®:

- Improved degree of efficiency and better power output with the same capacity
- Leak-proof system thanks to the enclosed battery cells
- No longer necessary to top off the distilled water
- On-board battery charger, charging at any normal plug receptacle with 230 V
- Interim charges are possible at all times and increase the efficiency of the battery
- More safety during the charging process (gas formation reduced by 75%)
- Increased recuperation capacity (energy recovery)
- Low temperature sensitivity (outside temperature)
- Low heat generation during operation

## AGM - Absorbent Glass Mat.

The AGM technology describes a design of a sealed, maintenance-free lead acid battery with internal gas recombination. In order to ensure internal recombination of oxygen and hydrogen ions, it is necessary that oxygen gas generated during the charging is led directly to the negative electrode where it recombines back to water. This movement is almost completely prevented in closed battery cells by the

liquid electrolyte due to the differences in density. In closed batteries, fast gas transport through fleece mats (AGM = Absorbent Glass Mat) is achieved. Smaller pores are wetted by the electrolyte and the larger pores are available for gas transport. Two different batteries are available for the 1160 eHoftrac® - one battery with 48 V and 240 Ah and the other powerful battery with 48 V and 310 Ah.



eHoftrac®

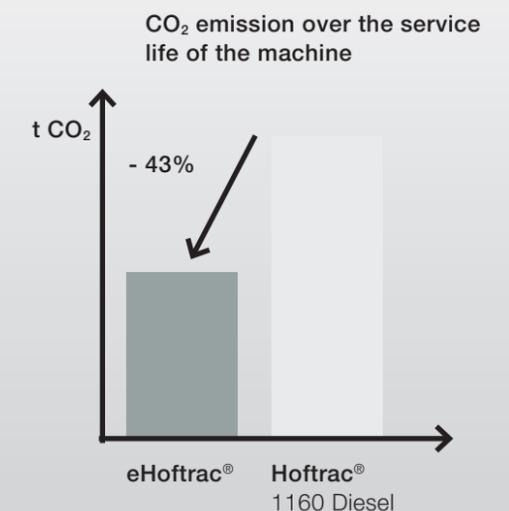
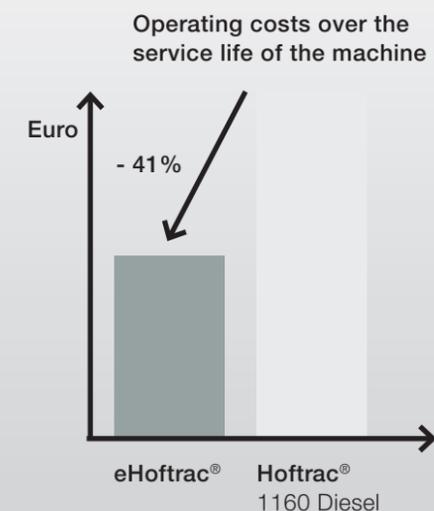
## Environmental friendliness that pays off in the long run.

The comparison of operating costs over the average service life of a machine shows that the costs of the diesel drive system are much higher than those of the eHoftrac®. Included in the consideration were the energy and service costs, as well as the cost of replacing the eHoftrac® battery after about 2,500 operating hours.

2,800 operating hours. Emission values are reduced by around 43% by the eHoftrac®, thereby documenting its environmental friendliness. If you add the energy generation and energy consumption from your own PV unit to this, then this would result in even more considerably positive effects.

Contact your Weidemann dealer to find out about the costs for you and your business.

It can be said that the increased investment costs for the eHoftrac® are about 20% when compared with a machine of equal power. This will pay for itself after about





## Our quality promise

Weidemann „Made in Germany“.

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.



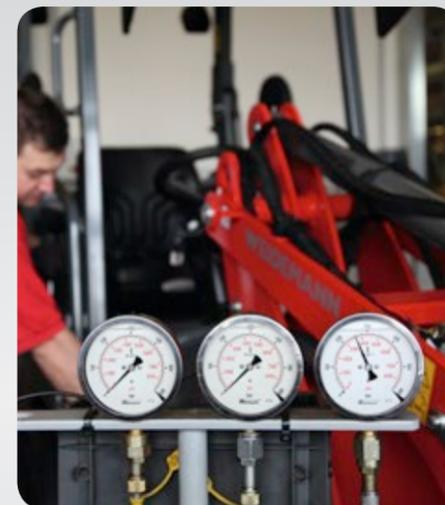
### Powder-coating.

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, powder-coating greatly extends the service life of the machine. It is also more efficient and environment 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. Weidemann label means quality.



### DIN EN ISO 9001.

This standard is recognised internationally. With a certified quality 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 Hoftrac®.

Unbeatable in daily application.





# 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 that can be easily completed with them.

## Material Handling



## Grabbing



## Grab fork



## Stacking and Transporting



## Cleaning



## Mowing and mulching



## Trimming trees and hedges



## Winter services



## Feed handling



## Bales handling



## Working in a stable



## Silage handling



## Horse ranches



All attachments available ex work can be found at: [www.weidemann.de](http://www.weidemann.de)

You can obtain more information from your Weidemann distributor.

## The suitable options for your business.

Individually, tailored-to-suit and economically.



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

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

#### Advantage:

- Allows the use of hydraulically activated attachments with several connections and functions (e.g. a round bale stacking device 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-driven additional functions of attachments (such as rotary sweeper with water spray device).

#### Advantage:

- This makes the operation of electrically-driven additional functions for attachments possible.
- This makes it possible to switch over from additional functions of hydraulic attachments.



### High Flow:

The machine is equipped with a high-flow high-performance hydraulics.

#### Advantage:

- Allows the operation of front attachments, which have a high oil requirement (e.g. 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 very low travel speed (e.g. a rotary sweeper), you do not have to constantly operate the foot inching pedal.



### Counterweight:

The machine is made heavier by a counterweight (floor plate on the rear carriage) and cast rear weight.

#### Advantage:

- A higher tipping load is achieved and heavier loads can be transported with the same dimensions.



### Dual tyres

Equipped with two additional tyres on the front axle.

#### Advantage:

- Additional tyres widen the front axle, resulting in greater stability.



### Pressureless reverse travel:

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

#### Advantage:

- Attachments with own hydraulic motors can return the return oil without increased back pressure into the hydraulic oil tank.

# No Hoftrac® is the same as another.

Just put your machines together ...

It's not a multitude of models that decides which problem solutions are optimal, but rather the individual machine equipment for each area of use. Our base models, Hoftrac® series offer you economical entry models. In addition there is a LP-Hoftrac with especially low overall height. Simply choose from our options tailored to suit your needs and assemble your machine according to your tasks and operational requirements.

And the best thing about the Hoftrac® concept: You only pay for the configuration of your individual machine, that is, only what you really need. On the following pages, you can find the standard equipment and options, as well as technical data and dimensions for our Hoftrac® series.



1140  
1140 Basic Line



1240LP



1160



1260



1160 eHoftrac®



1280



1380



1880

This brochure is for general product information. If you are interested, one of our distributors would be happy to send you an offer. The descriptions, illustrations and technical data are not binding and do not necessarily represent the standard design. We reserve the right to make changes. Despite the greatest care and diligence applied, we cannot rule out deviations from the images or measures, errors in calculation, misprints or omissions in this brochure. We therefore assume no liability for the accuracy and completeness of our information in this brochure.

## Standard equipment and options.

	1140	1140	1160	1240LP	1260	1280	1380	1880
<b>DRIVE SYSTEM</b>								
Hydraulic drive system via oil engine	●	●	-	-	-	-	-	-
Hydrostatic drive via oil engine	○	○	●	●	●	-	-	-
Hydrostatic drive via transfer gearbox and universal joint shaft	-	-	○	-	○	●	●	●
Axle K75	●	●	-	-	-	-	-	-
Axle K80	-	-	●	●	●	-	-	-
Axle K90	○	○	-	○	○	-	-	-
Axle T80	-	-	○	-	○	-	-	-
Axle T94	-	-	○	-	○	●	●	-
Axle T110	-	-	-	-	-	-	○	-
Planetary axle PA940	-	-	-	-	-	-	○	●
100% differential lock, electric-hydraulically connectable on front and rear axle	-	-	○	-	○	○	○	●
<b>HYDRAULICS</b>								
3. Control circuit front, DN10	●	●	●	●	●	●	-	-
3. Control circuit front, DN12	-	○	○	○	○	○	●	●
3. Front control circuit, electric, proportional	-	-	-	-	-	-	-	●
3. control circuit	○	○	○	○	○	○	○	-
4. control circuit	-	○	○	○	○	○	○	-
4. control circuit additional	-	○	○	○	○	○	○	○
High Flow (70 l)	-	-	○	-	-	-	-	-
High Flow (100 l)	-	-	-	-	-	-	-	○
Work hydraulics of large pump (depending on model, between 58.5 l and 70 l)	-	-	-	-	-	-	○	○
Rear hydraulic connection, also single-acting	-	○	○	-	○	○	○	-
Rear hydraulic connection, also dual-acting	-	-	○	-	○	○	○	○
Three-point receptacle in the rear	-	-	-	-	○	-	○	-
<b>OPERATOR'S CAB</b>								
Operator's canopy with retaining system ROPS / FOPS tested	●	●	●	●	●	●	●	●
Front window (for standard operator's canopy)	-	○	○	-	○	-	○	○
Rear window (for standard operator's canopy)	-	○	○	-	○	-	○	●
Easy Protection System (eps) ROPS and FOPS tested	○	○	○	-	○	○	○	-
Easy Protection System Plus (epsPlus) ROPS and FOPS tested	-	-	○	-	○	-	-	-
Cab with heating, ventilation, and windshield; ROPS and FOPS tested	-	-	○	○	-	○	○	○
Laterally tiltable operator's cab	●	●	●	-	●	●	●	●
Comfort seat with safety belt mechanically suspended	●	●	●	●	●	●	●	●
Comfort seat with safety belt, air-suspended	-	-	○	○	○	○	○	○
Heated seat	-	○	○	○	○	○	○	○
Lighting equipment according to German Road Traffic Regulations	○	○	○	○	○	○	○	○
Air-conditioning system	-	-	-	-	-	-	-	○
<b>OTHER</b>								
Weight of cast iron rear including self-recovery feature	-	-	○	-	○	○	○	-
Counterweight	○	○	○	○	○	○	○	-
Mechanical quick-hitch system for attachments	●	●	●	-	●	●	●	-
Hydraulic quick-hitch system for attachments	○	○	○	●	○	○	○	●
High lift height (long load arm)	-	-	○	○	○	○	○	-
TÜV [Technical Control Board] certificate for driving on public roads	-	○	○	○	○	○	○	○

- 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](http://www.weidemann.de)

# Technical data.

	1140 1140 Basic Line	1160	1240LP	1260	1280	1380	1880
<b>ENGINE DATA</b>							
Engine manufacturer	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
Type of motor	403 J-11	403 J-11	403 D-15	404 D-15	403 J-17	404 D-22	404 D-22
Cylinders	3	3	3	4	3	4	4
Max engine output kW	18.4	18.4	24.4	24.6	18.4	35.7	36.3
Max engine output HP	25	25	33	33	25	49	50
At max. speed rpm	2,800	2,800	2,800	2,800	2,800	2,600	2,800
Displacement cm <sup>3</sup>	1,131	1,131	1,496	1,508	1,662	2,216	2,216
Type of coolant	Water	Water	Water	Water	Water	Water	Water
Emissions standard level	V	V	IIIA	IIIA	V	IIIA	IIIA
Exhaust after-treatment	-	-	-	-	-	-	-
<b>ENGINE DATA (OPTIONAL)</b>							
Engine manufacturer	-	Perkins	-	-	-	-	Perkins
Type of motor	-	403 D-15	-	-	-	-	404 F-22T
Cylinders	-	3	-	-	-	-	4
Max engine output kW	-	23.4	-	-	-	-	44.7
Max engine output HP	-	32	-	-	-	-	61
At max. speed rpm	-	2,600	-	-	-	-	2,800
Displacement cm <sup>3</sup>	-	1,496	-	-	-	-	2,216
Type of coolant	-	Water	-	-	-	-	Water
Emissions standard level	-	IIIA	-	-	-	-	IIIB
Exhaust after-treatment	-	-	-	-	-	-	DPF
<b>ELECTRICAL SYSTEM</b>							
Operating voltage V	12	12	12	12	12	12	12
Battery Ah	77	77	77	77	77	77	95
Alternator A	40	40 (65)	65	65	65	65	85
<b>WEIGHTS</b>							
Operating weight (standard) kg	1,630	1,910-2,250*	1,840	2,080-2,290*	2,380-2,550*	2,740-2,950*	3,400
Tipping load with bucket – machine straight (in accordance with ISO 14397) kg	664-733*	1,074-1,437*	1,169-1,257*	1,071-1,432*	1,385-1,781*	1,803-2,071	2,032-2,269*
Tipping load with bucket – machine at an angle (in accordance with ISO 14397) kg	490-554*	815-1,206*	999-1,065*	839-1,143*	1,154-1,478*	1,495-1,714	1,692-1,898*
Tipping load with pallet fork – machine straight (in accordance with ISO 14397) kg	532-538*	829-970*	899-969*	838-1,122*	1,081-1,401*	1,534-1,722	1,731-1,908*
Tipping load with pallet fork – machine at an angle (in accordance with ISO 14397) kg	391-398*	631-866*	767-822*	654-896*	981-1,152*	1,239-1,406	1,459-1,605*
<b>VEHICLE DATA</b>							
Operator's cab (optional)	FSD (eps)	FSD (eps, epsPlus, cab)	FSD (cab)	FSD (eps, epsPlus)	FSD (eps, cabin)	FSD (eps, cabin)	FSD (cab)
Axle (optional)	K75 (K90)	K80 (T80, T94)	K80	K80 (K90, T80, T94)	T94	T94 (T110, PA940)	PA940
Kinematics (optional)	P	P	P	P	P	P (P-Z)	P-Z
Travel speed (optional) km/h	0-12 (13)	0-13 (20, 30)	0-13	0-13 (20, 30)	0-20 (30)	0-20 (T94: 30, PA940: 28)	0-20 (28)
Fuel tank capacity l	21	20	21	45	45	50-53	65
Hydraulic oil tank capacity l	18	20	12	27	27	30	35
<b>HYDRAULIC SYSTEM</b>							
Drive hydraulics – working pressure (optional) bar	215 (305)	305 (450)	305	305 (330)	370	390 (450)	450
Work hydraulics – discharge volume (optional) l/min	30.8	30.8 (36.4-70)	44.8	44.8	44.8	49.4 (58.5)	56 (63-100)
Work hydraulics – working pressure bar	205	225	185	185	185	210	210
<b>DRIVE SYSTEM</b>							
Drive type (optional)	Hydraulic (hydrostatic)	Hydrostatically	Hydrostatically	Hydrostatically	Hydrostatically	Hydrostatically	Hydrostatically
Drive system (optional)	Oil engine	Oil engine (universal joint shaft)	Oil engine	Oil engine (universal joint shaft)	Universal joint shaft	Universal joint shaft	Universal joint shaft
<b>SOUND PARAMETERS</b>							
Average sound power level LwA dB (A)	99.7	98.4	100.1	100.1	99.7	99.8	99.8
Guaranteed sound power level LwA dB (A)	101	101	101	101	101	101	101
Specified sound pressure level LpA dB (A)	85	85	84	85	82	82	82

\*With optional equipment (e.g. cab, axle, tyres, counterweight, cast rear weight etc.)  
 FSD = Operator's canopy  
 eps = Easy Protection System (foldable operator's canopy)  
 epsPlus = Easy Protection System Plus (hydraulically lowerable operator's canopy)  
 DPF = Diesel particle filter

Due to the constantly advancing exhaust emission standard, there may be short-term changes in the engines. For current availabilities, contact your Weidemann distributor.

More information can be found at [www.weidemann.de](http://www.weidemann.de)

1160 eHoftrac®	
<b>ELECTRIC MOTOR</b>	
Motor for drive hydraulics kW	6.5
Motor for work hydraulics kW	9
<b>STANDARD BATTERY</b>	
Battery voltage V	48
Nominal capacity K5 Ah	230
Battery weight (±5%) kg	450
Charging time h	8
Runtime for hard long-time application with heavy material handling, uninterrupted operation h	1.5*
Runtime for normal agricultural activities uninterrupted operation h	2–3.5*
Runtime for normal agricultural activities with interruptions (30 min. driving time, 30 min. standstill) h	to 4*
<b>BATTERY OPTIONAL</b>	
Battery voltage V	48
Nominal capacity K5 Ah	310
Battery weight (±5%) kg	579
Charging time h	6
Runtime for hard long-time application with heavy material handling, uninterrupted operation h	2.1*
Runtime for normal agricultural activities uninterrupted operation h	2.8–4.5*
Runtime for normal agricultural activities with interruptions (30 min. driving time, 30 min. standstill) h	to 5*
<b>ELECTRICAL SYSTEM</b>	
Operating voltage V	12
<b>WEIGHTS</b>	
Operating weight (standard) kg	2,400
Tipping load with bucket - machine straight (according to ISO 14397) kg	1,509 -1,576
Tipping load with bucket - machine at an angle (according to ISO 14397) kg	1,251 -1,307
Tipping load with pallet fork - machine straight (according to ISO 14397) kg	1,112 -1,163
Tipping load with pallet fork - machine at an angle (according to ISO 14397) kg	916-959
<b>VEHICLE DATA</b>	
Axle	T80
Operator's compartment (optional)	FSD (eps, epsPlus)
Driving speed km/h	0–15
Hydraulic oil tank capacity l	18.5
<b>HYDRAULIC SYSTEM</b>	
Work hydraulics	
Discharge volume (optional) l/min	32
Working pressure bar	225
<b>DRIVE SYSTEM</b>	
Drive type/drive system	electrical and Universal joint shaft
<b>NOISE CHARACTERISTIC VALUES</b>	
Average sound power level LwA dB (A)	91.8
Guaranteed sound power level LwA dB (A)	92
Specified sound pressure level LwA dB (A)	76

\*The runtimes 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 longer runtime can also be achieved. The specified running times can also be fallen short of in extreme cases. An uninterrupted operation (e.g. 30 min. of driving, 30 min. of standstill), for example, extends the total runtime of the battery.

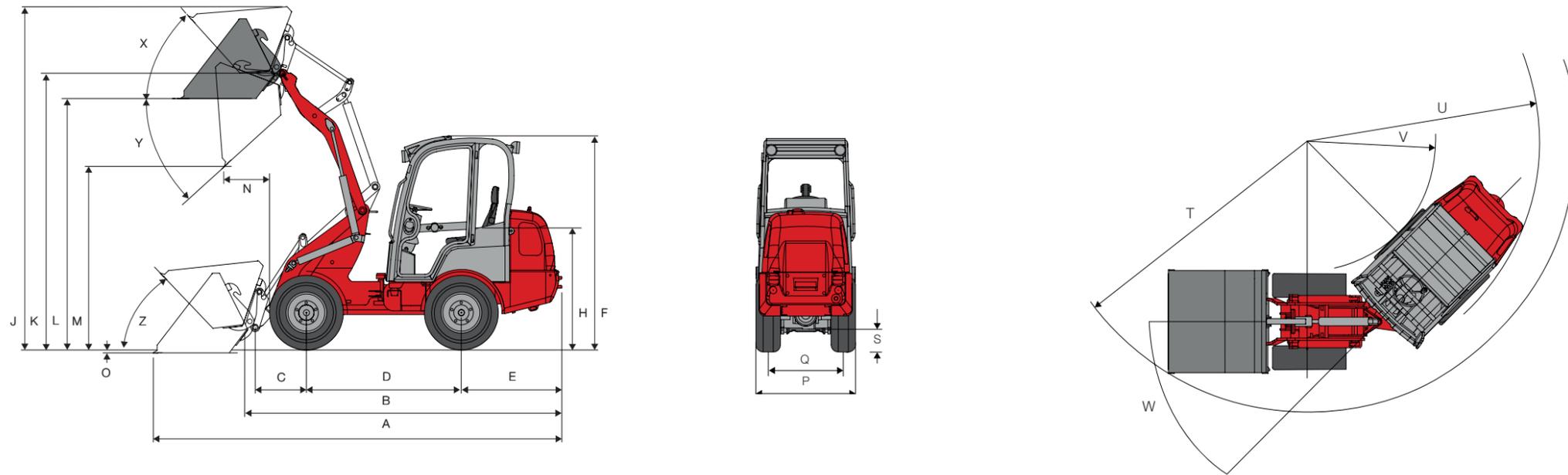
## Standard equipment and options.

1160 eHoftrac®	
<b>DRIVE SYSTEM</b>	
Electric drive via universal joint shaft	●
Active standstill regulation (the machine is held by the engine)	●
Hill-hold function (the machine is held on a hill by the engine)	●
Weidemann axle T80	●
<b>BATTERY</b>	
Battery 48 V 230 Ah	○
Battery 48 V 310 Ah	○
On-board battery charger 230 V / 40 A	●
Battery charge indicator	●
<b>STANDARD TYRES (FOR MORE INFORMATION, SEE PAGE 40)</b>	
Tyres 10.0/75 - 15 AS ET10	●
<b>HYDRAULICS</b>	
3. Control circuit front, DN10	●
Unpressurised return line, front	○
3. Control circuit	○
4. Control circuit	○
Hydraulic connection in rear, dual acting	○
Faster rapid action couplings attachment or machine side	○
<b>OPERATOR'S CAB</b>	
Operator's canopy with restraint system	●
eps (Easy Protection System)	○
epsPlus (Easy Protection System Plus)	○
Plug receptacle in front, 3-pin, dual function	○
Adjustable steering column	○
LED work lights 2 front, 1 rear	○
Comfort seat with safety belt mechanically suspended	●
Operating hour meter	●
Lighting equipment according to German Road Traffic Regulations	○
<b>OTHER</b>	
Fender front	●
Fender rear	●
Mechanical rapid-change system for attachments	●
Hydraulic rapid-change system for attachments	○
High lifting height	○
Self-recovery coupling	○
TÜV [Technical Control Board] certificate for driving on public roads	○

● Standard  
○ Option



# Dimensions.



	1140 1140 Basic Line	1160	1160 eHoftrac®	1240LP	1260	1280	1380 P-kinematics	1380 PZ-kinematics	1880
<b>DIMENSIONS</b>									
<b>Tyres</b>	7.00 - 12 AS ET40	10.0 / 75 - 15.3 AS ET10	10.0 / 75 - 15.3 AS ET10	27 x 8.50 - 15 EM ET30	27 x 8.50 - 15 EM ET30	10.0 / 75 - 15.3 AS ET80	10.0 / 75 - 15.3 AS ET80	10.0 / 75 - 15.3 AS ET80	10.0 / 75 - 15AS ET-5
<b>A Total length mm</b>	3,706	3,983	3,983	4,142	4,127	4,053	4,420	4,581	5,007
<b>B Total length (without bucket) mm</b>	2,733	3,005	3,005	3,164	3,151	3,321	3,520	3,700	4,022
<b>C Bucket pivot point (to centre of axle) mm</b>	496	508	508	620	534	534	560	720	675
<b>D Wheel base mm</b>	1,345	1,468	1,468	1,544	1,503	1,623	1,732	1,732	1,952
<b>E Rear overhang mm</b>	779	917	917	889	1,000	1,054	1,182	1,182	1,290
<b>F Height with fixed driver protection roof mm</b>	2,124	2,237	2,257	1,891	2,156	2,255	2,260	2,260	2,336
<b>Height of folding operator's canopy (eps) mm</b>	2,227	2,341	2,361	-	2,265	2,373	2,370	2,370	-
<b>Height of folding operator's canopy (eps), down mm</b>	1,937	1,928	1,948	-	1,841	1,856	1,850	1,850	-
<b>Height with operator's canopy lowering (epsPlus) mm</b>	-	2,243	2,263	-	2,162	-	-	-	-
<b>Height with operator's canopy lowering (epsPlus), lowered mm</b>	-	1,949	1,969	-	1,868	-	-	-	-
<b>Height with cab mm</b>	-	2,302	-	1,950	-	2,280	2,280	2,280	2,346
<b>H Seat height mm</b>	1,142	1,273 (980*)	1,293	937 (976*)	1,200	1,320	1,280	1,280	1,349
<b>J Total working height mm</b>	3,415	3,423	3,443	3,071	3,474	3,461	3,659	3,830	3,675
<b>K Max. height of bucket pivotal point mm</b>	2,734	2,740	2,760	2,386	2,792	2,872	3,010	3,203	3,203
<b>L Overhead loading height mm</b>	2,405	2,421	2,441	2,049	2,473	2,544	2,690	2,880	2,861
<b>M Dumping height mm</b>	1,807	1,799	1,819	1,404	1,820	2,067	2,130	2,380	2,454
<b>N Coverage for M mm</b>	550	498	498	467	499	447	250	410	198
<b>O Digging depth mm</b>	113	97	77	101	146	37	83	130	104
<b>P Total width mm</b>	850	1,044	1,044	960	960	1,044	1,040	1,040	1,214
<b>Q Track width mm</b>	660	780	780	740	740	780	780	780	950
<b>S Ground clearance mm</b>	190	255	255	226	204	230	250	250	270
<b>T Max. radius outside mm</b>	2,140	2,592 (2,831*)	2,592	3,034 (3,217)	2,649	2,846	2,870 (3,040*)	2,950 (3,120*)	3,447
<b>U Radius on outer edge mm</b>	1,570	2,138 (2,415*)	2,138	2,607 (2,843*)	2,134	2,546	2,612 (2,792*)	2,612 (2,792*)	3,171
<b>V Inner radius mm</b>	600	1,017 (1,311*)	1,017	1,561 (1,775*)	1,087	1,423	1,410 (1,610*)	1,410 (1,610*)	1,831
<b>W Articulation angle °</b>	55°	50° (43°*)	50°	41° (40°*)	50°	45°	48° (44°*)	48° (44°*)	45°
<b>X Rollback angle at max. lift height °</b>	50°	50°	50°	48°	47°	47°	43°	57°	52°
<b>Y Max. dumping angle °</b>	39°	40°	40°	44°	43°	44°	42°	37°	41°
<b>Z Rollback angle on the ground °</b>	48°	49°	49°	52°	47°	48°	51°	50°	42°

# Tyres.

## AXLE

## TYRES

7.00-12 AS ET40
10.0/75-15.3 AS ET-5
10.0/75-15.3 AS ET10
10.0/75-15.3 AS ET40
10.0/75-15.3 AS ET60
10.0/75-15.3 AS ET80
10.0/75-15.3 RP ET40 Mitas M159
10-16.5 EM ET0
10-16.5 EM ET40
10-16.5 Sure Trax ET0 BKT
10-16.5 Sure Trax ET40 BKT
11.5/80-15.3 AS ET-5
11.5/80-15.3 AS ET40
12-16.5 EM ET0
12-16.5 EM ET45
12-16.5 Sure Trax ET0 BKT
12-16.5 Sure Trax ET45 BKT
12.0/75-18 MPT ET-30
15.0/55-17 AS ET0
15.0/55-17 AS ET-40
26.0x12.00-12 AS ET0
26.0x12.00-12 RP ET0
27x8.50-15 EM ET30
27x8.50-15 EM ET80
27x10.50-15 EM ET-5
27x10.50-15 EM ET18
27x10.50-15 EM ET60
27x10.0-15.3 AS504 ET0
31x15.50-15 AS ET-50
31x15.50-15 AS ET-50 Starco
31x15.50-15 AS ET-37
31x15.50-15 AS ET-37 Starco
31x15.50-15 AS ET0
31x15.50-15 AS ET0 Starco
31x15.50-15 AS ET-85
31x15.50-15 EM ET-37
31x15.50-15 EM ET0
31x13.50-15 RP ET0
31x15.50-15 RP ET0
33x15.50-15 RP ET-40
305/70 R16.5 ET0 Multiuse 550
425/55 R 17 AS ET-40 Alliance 570
425/55 R 17 AS ET0 Alliance 570
425/40 B17 ET0 PR14 Delcora GSP+
425/40 B17 ET0 PR22 Delcora GSP+
Dual tyres 7.00-12 AS front
Dual tyres 10.0/75-15.3 AS front
Dual tyres 27x8.50-15 EM front
Dual tyres 10.0/75-15.3 AS ET40 front
Dual tyres 10.0/75-15.3 AS ET80 front
Dual tyres 11.5/80-15.3 AS front

1140 Basic Line 1140	1160		1160 eHoftrac		1240LP		1260		1280		1380		1880
K75 K90	K80/ T80	T94	T80	K80 K90	K80/ T80	K90 T94	T94	T94/ PA940	T110	PA940			
Width of machine mm													
850* 1,000	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	1,214	1,214	1,214	1,374	1,214*	-
-	-	1,044*	-	1,044*	-	-	1,044	1,144	-	-	-	-	-
-	-	-	-	-	-	-	-	1,124	1,124	1,124	1,284	-	-
-	-	-	-	-	-	-	1,200	1,044	-	-	-	-	-
-	-	-	1,040*	-	-	-	-	1,040*	1,044*	1,040*	1,200*	-	-
-	-	-	1,124	-	-	-	-	1,124	1,124	1,124	1,284	-	-
-	-	-	-	-	-	-	-	1,200	1,200	-	-	1,200	-
-	-	-	1,114	-	-	-	-	1,114	1,114	1,114	1,274	-	-
-	-	-	-	-	-	-	-	1,200	1,200	-	-	1,200	-
-	-	-	-	-	-	-	-	1,128	1,128	1,128	1,288	-	-
-	-	-	-	-	-	-	-	-	-	1,240	1,400	1,240	-
-	-	-	-	-	-	-	-	-	-	1,150	1,310	-	-
-	-	-	-	-	-	-	-	-	-	-	-	1,250	-
-	-	-	-	-	-	-	-	-	-	1,155	1,315	-	-
-	-	-	-	-	-	-	-	-	-	-	-	1,270	-
-	-	-	-	-	-	-	-	-	-	1,175	1,335	-	-
-	-	-	-	-	-	-	-	-	-	-	-	1,300	-
-	-	-	-	-	-	-	-	-	-	1,320	1,480	-	-
-	-	-	-	-	-	-	-	-	-	1,400	1,560	1,400	-
1,070 1,250	1,110	-	1,110	1,110 1,210	1,110 1,210	-	-	-	-	-	-	-	-
1,070 1,220	1,110	-	1,110	-	-	1,110 1,210	-	-	-	-	-	-	-
920 1,070	960	-	960	960* 1,060*	960* 1,060*	-	-	-	-	-	-	-	-
-	-	1,000	-	-	-	-	1,000	1,000	-	-	-	-	-
1,000 1,150	1,080	-	1,080	1,080 1,180	1,080 1,180	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	1,160	1,160	-	-	-	-
-	-	-	1,080	-	-	-	-	1,080	1,080	-	-	-	-
-	-	1,050	-	1,050	1,050 1,150	1,050 1,150	-	-	-	-	-	-	-
-	-	1,280	-	1,280	-	-	1,280 1,380	-	-	-	-	-	-
-	-	1,280	-	1,280	-	-	1,280 1,380	-	-	-	-	-	-
-	-	-	-	-	-	-	-	1,394	1,394	1,394	1,554	1,394	-
-	-	-	-	-	-	-	-	1,368	1,368	1,368	1,528	1,368	-
-	-	-	1,320	-	-	-	1,300 1,320	1,320	1,320	1,320	1,480	-	-
-	-	-	1,294	-	-	-	-	1,294	1,294	1,294	1,454	-	-
-	-	-	-	-	-	-	-	-	-	-	-	1,490	-
-	-	-	-	-	-	-	-	1,414	1,414	1,414	1,574	1,414	-
-	-	-	-	-	-	-	-	1,340	1,340	1,340	1,500	-	-
-	-	-	-	-	-	-	-	-	-	1,263	1,423	-	-
-	-	-	1,313	-	-	-	-	1,313	1,313	1,313	1,473	-	-
-	-	-	-	-	-	-	-	-	-	1,424	1,584	1,424	-
-	-	-	-	-	-	-	-	-	-	1,244	1,404	-	-
-	-	-	-	-	-	-	-	-	-	1,445	-	1,445	-
-	-	-	-	-	-	-	-	-	-	-	1,520	-	-
-	-	-	-	-	-	-	-	-	-	1,365	1,525	-	-
-	-	-	-	-	-	-	-	-	-	1,365	1,525	-	-
1,390	-	1,390	-	1,440	1,390	1,390	-	-	-	-	-	-	-
-	-	-	1,650	-	-	-	-	1,650	1,650	-	-	-	-
-	-	-	1,650	-	-	-	-	1,650	1,650	-	-	-	-
-	-	-	-	-	-	-	-	-	-	1,754	-	-	-
-	-	-	-	-	-	-	-	-	-	1,670	1,830	-	-
-	-	-	-	-	-	-	-	-	-	1,780	1,940	-	-

\*Standard tyres

# Tread.



**EM treads**  
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 ensure safe driving, especially on greasy 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.

# Vibration characteristic values.

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

## 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/s<sup>2</sup> 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>.



# WEIDEMANN

*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 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 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.



# WEIDEMANN

*designed for work*

The Weidemann product range.



**The multifunctional Hoftrac®.**

Powerful helper for every application. Our innovation: the fully electric 1160 eHoftrac®.



**The powerful wheel loader.**

Available either with load arm or telescopic arm.



**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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