

1190e



WEIDEMANN
designed for work



Think Electric.

The Hoftrac® 1190e with a lithium-ion battery.

Electric, emission-free and still innovative.

CO₂ exhaust emissions, noise and soot particles in buildings — a thing of the past! With the fully electric 1190e you can work on-site completely emission-free and with a clear reduction in noise. This looks after the operator and the valuable livestock equally. Even the neighbours get excited about a machine like this in your operation.

This matter is a thing of tradition at Weidemann: In 2015 we were already successfully mass-producing fully-electric driven Hoftracs®. Many of our customers consciously decided upon the aforementioned advantages and would not do without these machines in their everyday working life.

With the new 1190e Weidemann is likewise offering a cabin version - ideal for all-year-round use. The 48 volt lithium-ion battery is optionally available in three power ratings so that the run and charge times can be optimally tuned to your working requirements.

Low operating costs.

The running energy costs are clearly higher in a machine with a diesel drive than those of an electrically driven machine. The higher procurement costs of the eMachine are paid off after some time and as a result, it make this a more economical investment over the whole usage period.

Always the right running time.

Depending on the size of the battery, a running time of up to 8 hr can be achieved during uninterrupted operation. As a result, the running times of the battery are 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.

Multiple cab/canopy versions available.

Coordinated with different application, we offer an appropriate selection of different operator cabs for the 1190e. Fixed operator's canopy, fold-down operator's canopy eps (Easy Protection System) and cabin.

Warranty.

As standard there is a warranty of 36 months (min. 80% rest capacity of battery) for the lithium-ion battery.

Simple charging options.

The central charging flap is easily accessible from outside. Behind this, you will find the socket, the activation switch and the charge indicator. You receive the charging cable (type 2 plug machine-side, known from the automotive industry) including the control box with a number of different plugs: 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 Wallbox, IEC 62196) and other adapter plugs. Viewed in full, the new, flexible charging system offers you an efficient and safe charging procedure.



Battery Management System (BMS).

The lithium-ion battery is optimally monitored through the applied electronic system. The BMS also enables clearly increased charge currents, a short-term provision of peak power and permanent monitoring of temperature. In addition to this, the battery is always pre-warmed to the optimal operating temperature. The BMS therefore increases the efficiency and safety of the battery, and excludes a deep discharge.

THINK ELECTRIC 1190e



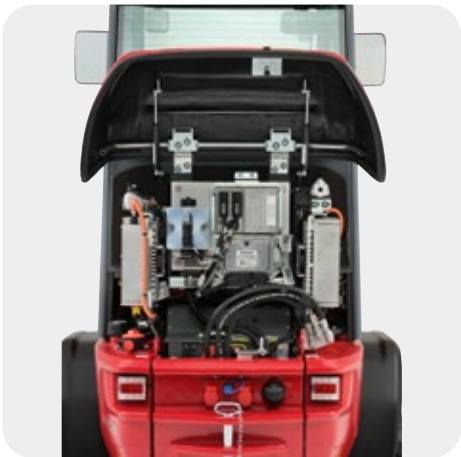
The 1190e cabin enables comfortable use of the machine all-year-around, for example even for winter service. It has been optimised to the operator's needs, offers a lot of new features and enables safe and comfortable working conditions:

- Despite the compact design, there is sufficient space for the operator
- Deep-drawn windows and a shortened tail on the machine ensure the best all-round visibility
- Electrically heated front and rear windscreen for optimal visibility in all weather
- Good ventilation, even without air-conditioning: lockable door to the right and left for gap ventilation, door to the right and left can be opened 180°, rear window can be opened
- Simple entry and exit with non-slip steps
- Multi-function joystick: all the important functions in one place
- Thought-through heating concept for all requirements: standard heating, comfort heating with even more power, roof-panel heating, heated seats
- Emergency stop switch provides a high level of safety
- New interior: colour-oriented operating concept and an ergonomically arranged display enable safe and comfortable working conditions
- DAB+ radio, right, height-adjustable armrest, adjustable steering column, comfortable operator's seat (heated seat / air suspension)



Extensive lighting package.

The lighting can be adapted to various requirements: LED work lights (standard), lighting according to Road Traffic Regulations (StVZO) (halogen or LED), LED Performance work lights (2,000 Lumen), rotating beacon (LED, optionally magnetic) and rear, blue safety light. This enables optimally adapted working with the machine, even in the dark. Good illumination of the area of work increases work safety and allows the operator to work focussed for longer with the machine.



Powerful lithium-ion battery.

Depending on the application area and purpose of use, you are able to select the appropriate battery size for you. There is a total of three, maintenance-free, lithium-ion batteries to choose from: standard is 14.1 kWh, optionally available are 18.7 kWh and 23.4 kWh. In addition to this, a 3 kW on-board charger is installed as standard. A second 3 kW on-board charger can be optionally selected to increase the charge power to 6 kW, which is suitable for medium and large batteries to facilitate a quick 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.



More efficient attachment application.

The variable adjustment of the oil volume of the 3rd control circuit enables the application of attachments that are operated with hydraulic continuous operation. With this, the oil volume can be individually adapted to the relevant attachment. This enables the operator to work both comfortably and efficiently with the machine and the attachment. In addition to this, the machine can be operated in stationary mode. For this, the work hydraulics of the 3rd control circuit are used to drive an attachment, such as a wood splitter. There is a multi-functional tail mounting bracket for the professional operation of rear attachments (e.g. salt spreader).



Electrical hand brake.

The electrical hand brake provides both an auto-hold and hill-hold function. The brake automatically activates if the machine stands still, the direction of travel is set to neutral or the operator leaves their seat. Likewise, the electrical hand 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. Additionally, energy is won back through the brake system via the so-called regeneration, which also extends the running time.



Simple maintenance.

The engine bonnet is opened upwards, and the operator's seat and access plate are removed in just a few simple steps. This enables straight-forward access to the hydraulics control block, the pumps, the battery and the electric motor. As a result of this, easy and time-saving maintenance of the machine is guaranteed. A huge advantage of an electrically operated machine is that overall there is clearly less maintenance than for a machine with a diesel engine.



Technical Data and Dimensions.			
		1190e	
ELECTRIC MOTOR		6.5	
Motor for the driving hydraulics kW		8.5	
Motor for the work hydraulics kW			
BATTERY		Lithium-ions	
Battery type		48	
Battery voltage V			
		Standard battery	Optional battery
Battery capacity (gross) kWh		14.1	18.7
Charging time h		4 – 6*	3 – 8*
Best possible charging time (from 20% to 90%) h		4*	2.5*
Running time (uninterrupted) h		up to 3.27**	up to 5.07**
WEIGHTS		Optional battery	
Operating weight (standard) kg		23.4	
Tipping load with bucket – straight machine kg		4 – 10*	
Tipping load with bucket – pivoted machine kg		3.5*	
Tipping load with pallet fork – straight machine kg		up to 7.30**	
Tipping load with pallet fork – pivoted machine kg			
VEHICLE DATA		2,170 – 2,350	
Travel speed km/h		1,550 – 1,620	
Hydraulic oil tank capacity l		1,210 – 1,320	
HYDRAULIC SYSTEM		1,110 – 1,160	
Work hydraulics flow rate l/min		860 – 940	
Work hydraulics working pressure bar		0 – 15	
DIMENSIONS		20	
Standard tyres		32	
Total length incl. bucket mm		225	
Height of operator's canopy mm		255/75 – 15.3 Starco AS Dumper II	
Height of fold-down operator's canopy eps mm		3,697 – 3,897	
Cabin height mm		2,289	
Max. height of bucket pivotal point mm		2,366 / 1,970	
Total width mm		2,331	
Inner radius mm		2,740 – 2,947	
		1,080	
		1,205	

More information can be found at www.weidemann.de

*The charging time is dependent on the different charging options. On-board charger 3 kW (standard), with additional on-board charger a total of 6 kW (optional). The following charger outlets 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 Wallbox, IEC 62196) and other adapter plugs.

**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 it is possible to achieve a longer running time. In extreme cases the specified running times can also be fallen short of. The specified running times refer to uninterrupted operation and work with the machine.



WEIDEMANN

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The Weidemann product range.



The multifunctional Hoftrac®.
Powerful helper for every application.



The powerful wheel loader.
Available either with load arm or telescopic arm.



The compact telehandler.
Aim high with optimal stability.



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



WM.EMEA.10358.V01.EN/11/2022

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