

T4512e



**WEIDEMANN**  
*designed for work*



**Think Electric.**

The T4512e telehandler with lithium-ion battery.

# Electric, emission-free and innovative.

In 2010, Weidemann brought the compact telehandler T4512 to the market. This compact and manoeuvrable machine revolutionised day-to-day work in stables and in confined working spaces, and was very successful from the start. This telehandler has now been electrified. With this, you can immediately be on your way on-site emission-free. This protects the operator, the valuable livestock and local residents too.

The subject of electrification has its own tradition at Weidemann: Already back in 2015, we were successfully producing fully electrically driven Hoftracs® in series. Many of our customers have consciously decided upon the benefits of an electrically driven machine and would no longer do away with it in their day-to-day working life.

CO<sub>2</sub> emissions, noise and soot particles in buildings – that’s a thing of the past! With the T4512e, Weidemann is providing, for the first time, a telehandler with an electric drive. The 96 V battery is available in two capacity sizes so that the running and charging times can be ideally coordinated with your working requirements.

### 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 procurement costs of the eMachine are recovered after some time, therefore this machine even presents a more economical investment over the period of use.

### Always the right running time.

Depending on the size of the battery, it is possible to achieve a running time of over 5 hr with uninterrupted operation. The running times of the battery are dependent on the respective application conditions, the work task and the driving style.

### Vertical Lift System (vls).

The proven driver assistance system vls ensures high level of stability by automatic retraction and extension while lifting and lowering. The system can be switched off in manual mode.

### Simple charging options.

The central charging flap is easy to access 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), incl. a control box with a number of different plugs: 230V/16A Schuko, 230V/16A CEE (blue, 3-pole), 400V/16A CEE (red, three-phase current, 5-pole), 400V/16A (Type 2 plug Wallbox, IEC 62196) and other adapter plugs. Overall, the new, flexible charging system offers you 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 power peaks and a permanent monitoring of the temperature. Additionally, the battery is always pre-heated to the optimal operating temperature during the charging procedure. The BMS thus increases the efficiency and safety of the battery and excludes the possibility of deep discharge.

# THINK ELECTRIC

## T4512e



### Maximum comfort in minimal space.

For a machine of this size class, the cabin is very spacious and ergonomically designed:

- A thought-out heating concept with electrically heated front, side and rear windscreen, as well as the optional roof panel heating ensures a comfortable climate, even in the colder months of the year.
- The optionally available heated seat improves comfort.
- The door and rear windscreen can be partly opened for gap ventilation.
- The upper door window can be completely opened and can be locked to the back of the cabin.
- Easy entry through the large door with low entry close to the ground.

### Optimal all-round visibility with the T4512e:

- Deep-drawn windows enable perfect all-round visibility.
- The large front windscreen ensures optimal visibility upwards towards the attachment.
- The engine bonnet falls off flat and alongside the large side window provides a perfect overview to the right and onto the right rear wheel.



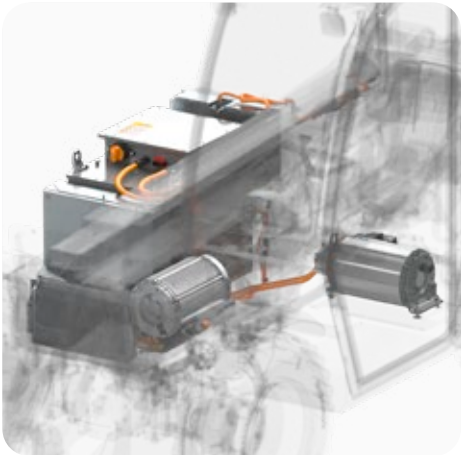
Extensive lighting package.

The lighting can be adapted to various requirements: LED work lights (standard), lighting according to Road Traffic Regulations (halogen or LED), LED performance work lights (2,000 lumen), rotating beacons (LED) and rear blue safety light. This enables individual, optimally adapted working with the machine, even in the dark. Good illumination of the working area increases work safety and also provides the operator a longer period of concentration to work with the machine.



Powerful lithium-ion battery.

Depending on the area of application and the application purpose, you can select the right battery size. There are two maintenance-free lithium-ion batteries available: Standard is 18 kWh, optionally available is 28 kWh. In the standard version, a 3 kW on-board battery charger is installed. A second 3 kW on-board battery charger can be optionally selected, in order to increase the charge output to a total of 6 kW and to generate a faster charging time.



Needs-based performance.

Two separate electric motors are used in the machine: one for the drive system and one for the drive of the work hydraulics. As a result, the energy consumption is minimised, because the output is then only requested when it is really needed. The electric motor for the drive enables the machine furthermore a dynamic and powerful start-up. This can be felt in every acceleration process.



Operator First.

The ergonomic comfort cabin provides a colour-oriented operating concept. All operating elements are within reach and the most important machine information is always available to the operator via the optimally positioned display. The 3.5" display enables a number of display options, e.g. charging status, remaining running time, drive performance and speed, as well as much more.

The steering wheel cann, depending on requirements, be individual adjusted in height and incline. This guarantees thatevery operator is able to work with the machine ergonomically.



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 travel is set to neutral or the operator leaves their seat. Likewise, the parking brake is automatically activated if the machine is put into gear using the accelerator. Naturally, the brake can be manually activated and/or deactivated using the switch actuation. Also, energy is recovered using the braking system via the so-called recuperation, which also increases the machine's running time.



Charging made easy.

The central charging flap is easily accessible on the rear of the machine. Behind it you will find the socket, the activation switch (optional lockable charge release) and the charge display. You will receive the charging cable (Type 2 plug on the machine) 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 CEE (Type 2 plug Wallbox)



Technical Data and Dimensions.		T4512e	
ELECTRIC MOTOR		33.1	
Motor traction drive (ECE R085) kW		21.2	
Motor work hydraulics (ECE R085) kW			
BATTERY		Lithium-ion	
Battery type		96	
Battery voltage V			
		Standard battery	Optional battery
Battery capacity (gross) kWh		18.0	28.0
Charging time (from 0% to 100%) h		3.2–7.5*	5.5–11.5*
Best possible charging time (from 20 % to 80 %) h		1.8*	2.7*
Running time (uninterrupted) h		until 3.1**	until 5.2**
WEIGHTS		2,750–3,100	
Operating weight kg		1,250	
Payload (max.) kg			
VEHICLE DATA		0–15 (20, 25)	
Travel speed km/h		36	
Hydraulic oil tank capacity l			
HYDRAULIC SYSTEM		41.6	
Work hydraulics flow rate l/min		220	
Work hydraulics working pressure bar			
DIMENSIONS		10.0/75–15.3 AS ET-40 Starco	
Standard tyres		3,944	
Overall length incl. bucket mm		1,995	
Cabin height mm		4,537	
Max. height of bucket pivotal point mm		1,564	
Total width mm		951	
Inner radius mm			

More information at [www.weidemann.com](http://www.weidemann.com)

\* 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 CEE (Type 2 plug Wallbox, IEC 62196), other adapter plugs.

\*\* 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.



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## The Weidemann product range.



**The multifunctional Hoftracs®.**  
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.



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