



**WACKER  
NEUSON**  
*all it takes!*

## Compact and powerful

The new electrically driven telehandler TH412e



## Performance

- Two separate electric motors, one for the drive system and one for the work hydraulics, allow for power to be accessed when needed and minimize consumption
- The TH412e's power corresponds to that of the diesel-driven TH412 telehandler
- Two maintenance-free lithium ion batteries available: Standard battery (18 kWh gross battery capacity) and Option battery (28 kWh gross battery capacity)
- Travel speed up to 25 km/h fast (option)
- VLS (Vertical Lift System) with three modes: bucket, stacking and manual mode

## Safety

- Electric parking brake with auto-hold and hill-hold function for maximum safety and comfort
- Integrated Battery Management System (BMS) makes the machine handling extremely safe
- Full-length windows ensure the best all-round visibility, the large roof window provides an optimal view upwards
- LED headlights provide good illumination of the work area, even in the dark
- The rear blue safety light improves safety for people and vehicles within the surrounding area

## Comfort

- A completely enclosed cabin with a thought out heating design guarantees all-year-round use (e.g. even during winter service)
- Comfortable operator's seat, optional air suspension and seat heating
- Charger "on-board" and different charging plugs enable easy, flexible and safe charging
- Easily accessible, central charging cover

## Efficiency

- Energy recovery through recuperation
- ECO mode for longer driving distances to extend the battery's running time
- Compact dimensions
- Flexible intermediate charges possible at any time (no memory effect)
- Reduced service costs compared with the conventional diesel drive
- Three steering types for maximum flexibility (all-wheel, front-wheel, crab steering)



## Sustainability meets performance: the new electrically driven telehandler TH412e.



### Performance and sustainability combined.

With the same performance output as the common drive systems, the purely electrically driven telehandler works with little noise and is 100% emission-free on-site. This protects the operator and the working environment.

### New battery technology.

The integrated Battery Management System (BMS) monitors and protects the 96 V lithium ion battery, increases efficiency and safety, and excludes a deep discharge.

### On-board battery charger.

A 3 kW on-board battery charger is installed in the machine as standard. There is the option to select a second 3 kW on-board battery charger to increase the charging output to a total of 6 kW. As a result, it is possible to achieve a clearly faster charge time.



### Optimized cab.

The TH412e's cab enables comfortable, all-year-round use of the machine, for example even for winter service. It has been optimized to the needs of the operator, provides a lot of new features, and enables a safe and comfortable working environment. Despite its compact design, it has sufficient space for the operator, and the all-round visibility is excellent thanks to the full-length windows and the flat, sloping engine hood.



### Flexible charging options.

The charging cover is easily accessible on the rear of the machine. Behind this is the socket, activation switch and the charge level display. The charging cable (type 2 plug machine-side) is available with a number of different plugs: 230 V / 10 A earthed, 230 V / 16 A CEE (blue, 3-pin), 400 V / 16 A CEE (red, three-phase, 5-pin), 400 V / 16 A (type 2 plug wall box, IEC 62196) and other adapter plugs.

# Power data and extras.

## Electric motor

	Unit	TH412e	
Motor drive hydraulics	kW	23.2	
Motor work hydraulics	kW	15.2	

## Battery

	Unit	TH412e	
Battery type	-	Lithium ion	
Battery voltage	V	96	
		Standard battery	Optional battery
Battery capacity (gross)	kWh	18	28
Charging time	h	3.5 - 7.5*	5.5 - 11.5*
Best possible charging time (from 20% to 90%)	h	2.5*	4*
Running time (uninterrupted)	h	up to 3.1**	up to 5.2**

## Hydraulic system

	Unit	TH412e	
Work hydraulics discharge volume	l/min	44.8	
Work hydraulics working pressure	bar	220	

\*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 (option). The following charging plugs are available: 230 V / 10 A earthed, 230 V / 16 A CEE (blue, 3-pin), 400 V / 16 A CEE (red, three-phase, 5-pin), 400 V / 16 A (type 2 plug wall box, IEC 62196) and other adapter plugs.

## Weights

	Unit	TH412e	
Operating weight (standard)	kg	2,800 - 3,000	
Payload (max.)	kg	1,250	

## Dimensions

	Unit	TH412e	
Standard tires	-	10.0/75 - 15.3 AS	
Total length with bucket	mm	3,944	
Height of cab	mm	1,995	
Max. height of bucket swivel point	mm	4,537	
Max. stacking height	mm	4,301	
Overall width	mm	1,564	
Inside radius	mm	951	

## Vehicle data

	Unit	TH412e	
Travel speed (optional)	km/h	0 - 15 (0 - 20, 0 - 25)	
Hydraulic oil tank capacity	l	36	
Bucket capacity	m <sup>3</sup>	0.45	

\*\*The running times of the battery are dependent on the respective application conditions, the task and the driving style. This may also mean that a longer running time can be achieved. The specified running times may also be undercut in extreme cases. The specified running times refer to uninterrupted operation and working with the machine.

# Wacker Neuson - all it takes.



Financial solutions



Repair & maintenance



Academy



EquipCare



Rental



ConcreTec



Concrete specialists



eStore



Spare parts



Used machines



Facebook  
wackerneuson



Instagram  
@wackerneuson



YouTube  
Wacker Neuson



LinkedIn  
Wacker Neuson



TikTok  
@wacker.neuson



WN.EMEA.10368.V01.EN-US

09/2022 EN