



**WACKER
NEUSON**
all it takes!



TH412e

Telehandler

Electric, environmentally-friendly, and powerful

The Th412e is the first pure electrically-operated telehandler by Wacker Neuson. Its power ratings correspond to those of a conventional diesel-operated machine. The installed 96-Volt lithium-ion battery is available in two power ratings so that the running and charging times can be optimally coordinated with the work requirements. The TH412e works on-site completely free from exhaust gases and with significantly lower noise emissions. For the end user, this means greater flexibility in application, environmental protection and significant savings with operating costs. As a result, features such as compact dimensions, all wheel steering, low center of gravity, and excellent stability are likewise true of the electrically-driven machine.

Highlights

- Powerful lithium-ion battery
- Easy charging options
- Digital display
- Electric parking brake
- Compact dimensions in the {2 x 2 m}{79 x 79 in} class

Technical Data

■ Standard battery

| | |
|-----------------------------------|--------------|
| Battery technology | Lithium-ion |
| Battery voltage class | 96 V |
| Battery capacity | 18.0 kWh |
| Battery weight | 186 kg |
| On-board charging capacity (max.) | 6 kW |
| Loading time (0-100%) | 3,2 - 7,5* h |
| Loading time (20-80%) | 1,8* h |
| Running time up to | 3,1** h |

■ Battery Option 1

| | |
|-----------------------------------|---------------|
| Battery technology | Lithium-ion |
| Battery voltage class | 96 V |
| Battery capacity | 28.0 kWh |
| Battery weight | 244 kg |
| On-board charging capacity (max.) | 6 kW |
| Loading time (0-100%) | 5,5 - 11,5* h |
| Loading time (20-80%) | 2,7* h |
| Running time up to | 5,2** h |

■ Electric motor

| | |
|----------------------------------|---------|
| Motor traction drive (ECE R085) | 33,1 kW |
| Motor work hydraulics (ECE R085) | 21.2 kW |

■ Electrical system

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|-------------------|------|
| Operating voltage | 12 V |
|-------------------|------|

■ Weights

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|------------------|------------------|
| Payload (max.) | 1,250 kg |
| Operating weight | 2,750 - 3,100 kg |

■ Driver's cab

| | |
|--------------|-----|
| Driver's cab | Cab |
|--------------|-----|

■ Filling levels

| | |
|---------------------------------|------|
| Tank capacity for hydraulic oil | 36 l |
|---------------------------------|------|

■ Drive system

| | |
|-----------------------|-----------------------|
| Type of drive | Electrical |
| drive unit | universal joint shaft |
| Speed levels | 2 |
| Axle | PAL1165 |
| Travel speed Standard | 0-15 km/h |
| Travel speed Option 1 | 0-20 km/h |

| | |
|-----------------------|--|
| Travel speed Option 2 | 0-25 km/h |
| Operating brake | Hydraulically operated disc brake |
| Parking brake | Electric parking brake with hill-hold function |
| Differential lock | 100 % front axle + rear axle (option) |

■ Hydraulic system

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|---|------------|
| Work hydraulics discharge volume (max.) | 41,6 l/min |
| Work hydraulics working pressure (max.) | 220 bar |

■ Kinematics

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|---------------------|-----------|
| Lifting cylinder | 1 |
| Tipping cylinder | 1 |
| Quick change system | hydraulic |

■ Steering

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|---------------|--|
| Steering type | Hydrostatic all-wheel steering with end position synchronization |
|---------------|--|

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|------------------------------------|-------------|
| Steering cylinder | 2 |
| Steering angle max. | 2x38 degree |
| Oscillating angle of the rear axle | ± 7 degree |

■ Noise characteristic values

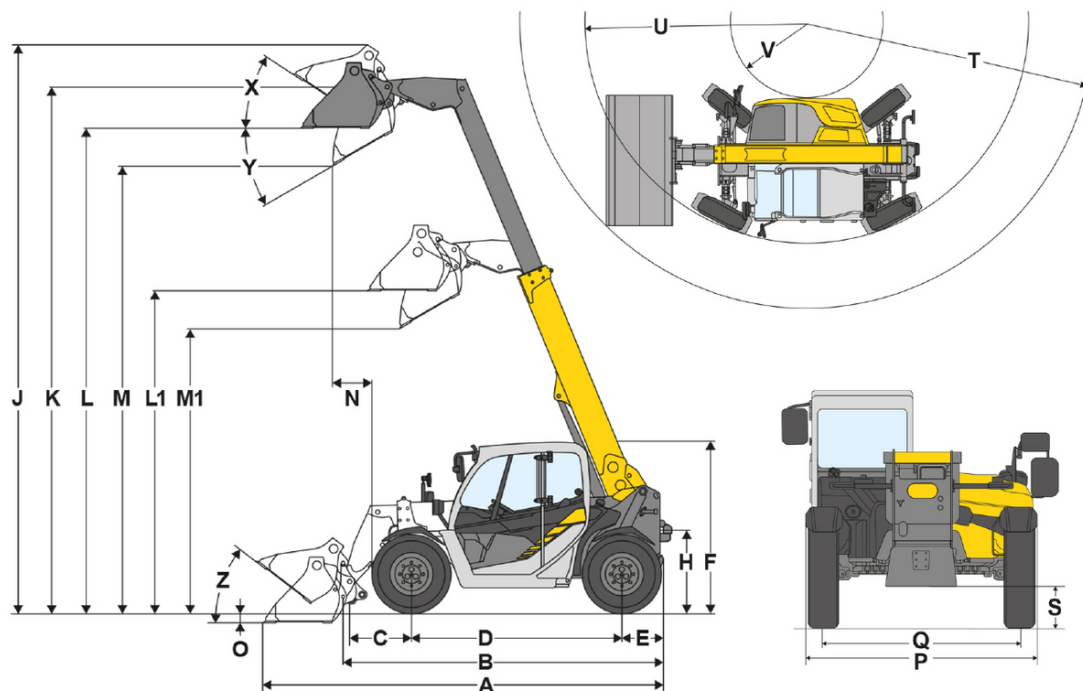
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|--|------------|
| Average sound power level LwA (cabin) | 85.7 dB(A) |
| Guaranteed sound power level LwA (cabin) | 87 dB(A) |
| Specified sound pressure level LpA (cabin) | 73 dB(A) |

■ Other information

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

**The battery's running times are dependent on the respective application conditions, the work task, and the operating mode. This can also mean that a longer running time can be achieved. In extreme cases, it is also possible to fall short of the specified running times. The specified running times relate to uninterrupted operation and working with the machine.

Dimensions



| | | |
|----|---|----------|
| A | Total length | 3,944 mm |
| B | Total length without bucket | 2,991 mm |
| C | Bucket pivot point (to center of axle) | 450 mm |
| D | Wheel base | 1,922 mm |
| E | Rear overhang | 427 mm |
| F | Height with cab | 1,995 mm |
| H | Seat height | 978 mm |
| J | Total working height | 5,280 mm |
| K | Bucket pivot point (max. lift height) | 4,537 mm |
| L1 | Load-over height telescopic arm retracted | 2,949 mm |
| L | Load-over height telescopic arm extended | 4,163 mm |
| M1 | Dumping height telescopic arm retracted | 2,415 mm |
| M | Dumping height telescopic arm extended | 3,630 mm |
| N | Reach (at M) | 557 mm |
| O | Digging depth | 96 mm |
| P | Total width | 1,564 mm |
| Q | Track width | 1,235 mm |
| S | Ground clearance | 294 mm |
| T | Maximum radius | 3,506 mm |
| U | Radius on the outer edge | 2,695 mm |
| V | Inner radius | 951 mm |
| X | Rollback angle at max. lift height | 52 ° |
| Y | Dumping angle | 31 ° |
| Z | Rollback angle on ground | 44 ° |