



## T4512e Telehandlers

### 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

Operating voltage	12 V
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#### ■ Weights

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

#### ■ Driver's cab

Driver's cab	Cab
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#### ■ Filling levels

Tank capacity for hydraulic oil	36 l
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#### ■ 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% VA + HA (option)

#### ■ Hydraulic system

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

#### ■ Kinematics

Lifting cylinder	1
Tipping cylinder	1
Quick change system	Mechanical (hydraulically activated)

#### ■ Steering

Steering type	Hydrostatic all-wheel steering with end position synchronization
Steering cylinder	2
Steering angle max.	2x38 degree
Oscillating angle of the rear axle	± 7 degree

#### ■ Noise characteristic values

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

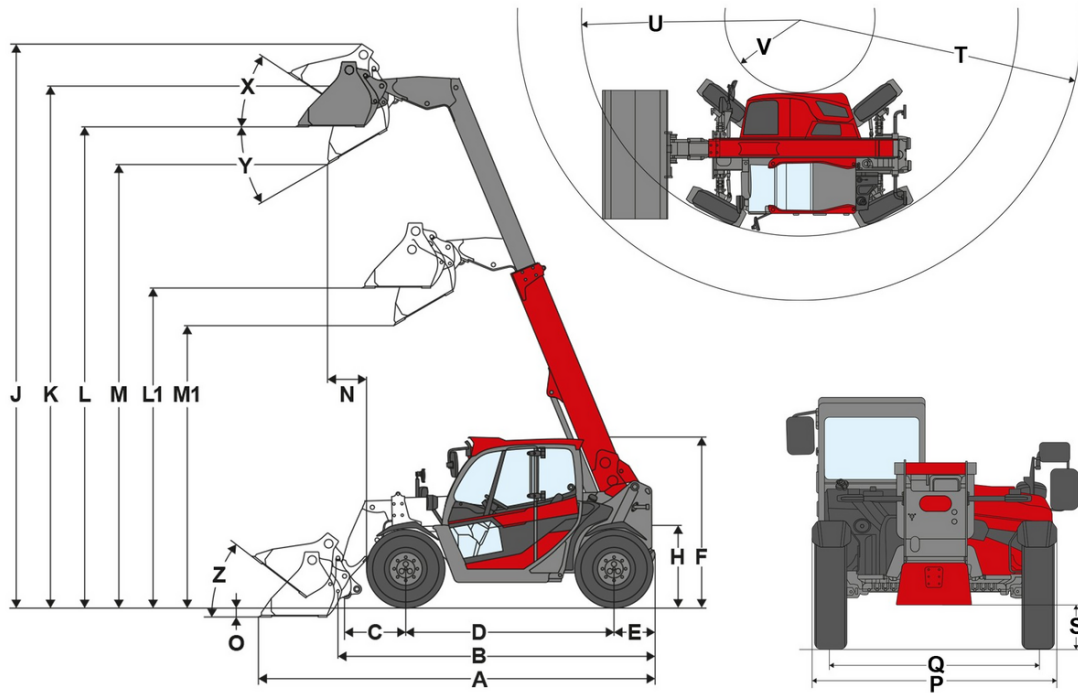
\* The charging time is dependent on the different charging options. On-board battery charger 3 kW (standard) with additional on-board charger, total 6 kW (option). The following charging plug options are available:

230 V / 10 A Schuko, 230 V / 16 A CEE (blue, 3-pole), 400 V / 16 A CEE (red, three-phase, 5-pole), 400 V / 16 A (Type 2 plug wall box, IEC 62196), and other adapter plugs.

\*\* 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.

## Dimensions



	Standard components	10.0/75-15.3 AS ET-40 Starco
<b>A</b>	Total length	3,944 mm
<b>B</b>	Total length without bucket	2,991 mm
<b>C</b>	Bucket pivot point (to center of axle)	450 mm
<b>D</b>	Wheel base	1,922 mm
<b>E</b>	Rear overhang	427 mm
<b>F</b>	Height with cab	1,995 mm
<b>H</b>	Seat height	983 mm
<b>J</b>	Total working height	5,280 mm
<b>K</b>	Bucket pivot point (max. lift height)	4,537 mm
<b>L1</b>	Load-over height telescopic arm retracted	2,949 mm
<b>L</b>	Load-over height telescopic arm extended	4,163 mm
<b>M1</b>	Dumping height telescopic arm retracted	2,415 mm
<b>M</b>	Dumping height telescopic arm extended	3,630 mm
<b>N</b>	Reach (at M)	557 mm
<b>O</b>	Digging depth	91 mm
<b>P</b>	Total width	1,564 mm
<b>Q</b>	Track width	1,245 mm
<b>S</b>	Ground clearance	
<b>T</b>	Maximum radius	3,506 mm
<b>U</b>	Radius on the outer edge	2,695 mm
<b>V</b>	Inner radius	951 mm
<b>X</b>	Rollback angle at max. lift height	52 °
<b>Y</b>	Dumping angle	31 °
<b>Z</b>	Rollback angle on ground	44 °
<b>F</b>	Height with cab lowered	
	Height with cab raised	

# Standard components

## Drive system & Battery

- Battery (lithium-ion), 96 V, Battery capacity (gross) 18 kWh
- Battery charger On-board 3 kW, plug type 2, charger cable Schuko 230 V / 10 A
- Drive hydraulics motor (ECE R085) 33.1 kW
- Work hydraulics motor (ECE R085) 21.2 kW

## Steering system

- Hydrostatic all-wheel steering with end position synchronization
- Steering angle max. 38°
- Oscillating angle of the rear axle 7°
- Steering cylinder: 2

## Operator's cab

- Cabin with heater and ventilation ROPS/FOPS tested with VSG safety glass on the right side
- Front, roof and rear windshield wipers
- Home front windshield, right side windshield, and rear windshield
- Tilt indicator
- Armrest with storage compartment
- Sunblind
- Bottle holder
- Storage net

## Operator's seat

- Comfort seat with safety belt

## Lighting

- LED working lights: 1 front, 1 rear on the overhead guard

## Drive system & Axles

- Axle: planetary steering axles PAL1165
- Drive system: electric drive, energy recuperation when decelerating, travel direction selectable on the joystick
- Battery: internal battery heater, charge time 20% to 80% SOC 1,8 hr, charge activation switch
- Speed: 15 km/h (optional 20 / 25)
- Speed levels: 2
- Operating brake: hydraulically operated disc brake on the front axle effective on the rear axle via the drive shaft
- Parking brake: electric parking brake with hill-hold function (the electric motor holds the machine when stopping on a hill)

## Tires

- 10.0/ 75-15.3 (255/75-15.3) AS ET-40 Starco

## Loading system

- Telescopic arm lifting height (4537 mm)
- Quick-change device (Weidemann MV/TH - C ) mechanical
- Lifting cylinder: 1
- Tilting cylinder: 1

## Hydraulics

- Mechanical, pilot-operated joystick with travel direction switch and proportional telescopic function
- 3rd front control circuit via lever
- Connections Flatface size 2
- vls (Vertical Lift System)
- Hydraulic oil cooler

## Other

- Reversing alarm (acoustic)

## EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

# Options

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

## Operator's cab & Cabine

- Protective grating for windshield, removable
- Artificial leather seat; air cushioned
- Fabric seat; air cushioned
- Fabric seat; air cushioned; heated seat
- Roof heating panel
- Radio FM-ready (aerial, speaker)
- Radio DAB+-ready (aerial, speaker)
- Radio DAB+ complete
- Power socket 2x USB
- Adjustable steering column (inclination and height)

## Lighting

- Lighting according to StVZO road regulations
- LED lighting according to StVZO road regulations
- LED work lights (1000 lm) on cabin roof, 2 front, 1 rear
- LED Performance work lights (2000 lm) on cabin roof, 2 front, 1 rear
- LED work lights (1000 lm) on telescopic arm, 1 front
- LED Performance work lights (2000 lm) on telescopic arm, 1 front
- LED rotating beacon (yellow), National regulations must be maintained!

## Approval & Road traffic

- Individual operating permit < 25 km/h
- Front and rear license plate bracket
- Warning markings, The national regulations must be maintained!

## Drive system & Axles

- Hand throttle
- Adjustable steering types

### Axles

- Axle PA1165, electrical all-wheel drive with lock, transfer case, universal joint shaft, differential lock 100%

### Travel speed

- 20 km/h (speed increase)
- 25 km/h (speed increase)

## Tires

- 31x15.50-15 AS ET0 BKT TR-313 (tread AS, width 1,564 mm, height 1,992 mm)
- 31x15.50-15(400/ 50-15) AS ET0 Starco (tread AS, width 1,564 mm, height 1,997 mm)
- 270/65-16.5 EM Kenda PowerGr ET-40 (tread EM, width 1,564 mm, height 2,000 mm)
- 400/50-15 RP Starco Turf Tech ET0 (tread RP, width 1,564 mm, height 1,992 mm)
- 270/65-16.5 EM Kenda PowerGr ET-40 (tread SureTrax, width 1,564 mm, height 2,000 mm)
- 315/55 R16 ET-30 Continental MPT81 (tread MPT, width 1,564 mm, height 1,990 mm)

## Loading system

### Quick change plates

- Weidemann HV/TH - C (hydraulic)
- Weidemann HV/TH - C - ECS (hydraulic - easy coupler system)
- Euro (hydraulic - ISO23206 EURO HV) (incl. two couplings SVK gr. 3)
- SkidSteer (hydraulic - SAEJ2513 SSL HV)
- SMS HV (hydraulic)
- Kramer HV/TH - C (hydraulic)

## Hydraulics

- Oil volume adjustment of 3rd control circuit
- Shell PANOLIN S4 HLP Synth 46 (Biohydraulic oil)
- Hydraulic oil - pre-warming

## Hydraulics in front

- 3rd control circuit proportional incl. continuous function via switch (operation: via control wheel at front on joystick)
- vls (vertical lift system) with additional manual mode
- Front, depressurized return line (1x flatface gr. 3 plug) incl. overflow oil line (1x flatface gr. 2 plug)
- Faster quick coupling 2-fold - on the machine
- Faster quick coupling 2-fold - on the machine + attachment
- Faster quick coupling 2x 2-fold - on the machine
- Faster quick coupling 2x 2-fold - on the machine + attachment
- Front switch valve on 3rd control circuit (3rd control circuit with 4 couplings, flatface gr. 2), (operation: selection via switch (0 - 1))
- Pressure release, 3rd control circuit front on telescopic arm

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## Hydraulics in rear

- Dual-acting, rear, hydraulic connection via switch valve (two couplings SVK gr. 3), (3rd control circuit front or rear), operation: Via switch (0 - 1) + 3rd control circuit

## Electrical system

- Lithium-ion battery 28.0 kWh 96V
- On-board charger up to 6 kW (AC)

Charger cable (on the machine, type 2, multiple selection available)

- Protective contact mains plug (Schuko) 230V/10A (is pre-selected, can be deselected if no charging cable or another charging cable is required)
- CEE, 3-pole 230V/16A (blue)
- CEE, 5-pole 400V/16A (red)
- Type 2 (IEC 62196)
- Adapter set EU (Schuko, CEE 3-pole, CEE 5-pole)

Battery charge level release

- Charge release lockable

front

- Socket front, 13-pole, (2x electrical functions E1/ E2 and lighting), operation: Using 2 keys on the joysticks; 1st function tentative, 2nd function resting
- Socket front, 13-pole, (2x electrical functions E1/ E2 and lighting), operation: Using 2 keys on the joysticks; 1st function tentative, 2nd function resting
- Socket front, 13-pole, (2x electrical functions E1/ E2 and lighting), operation: Using 2 keys on the joysticks; 1st function tentative, 2nd function resting
- Socket front, 13-pole, (2x electrical functions E1/ E2 and lighting), operation: Using 2 keys on the joysticks; 1st function tentative, 2nd function resting

rear

- Socket rear, 3-pole, (2x electrical functions E3/ E4, can be switched over to front socket), operation: Via switch; 1st function tentative, 2nd function resting
- Rear socket 7-pole for lighting rear attachments

## Safety options

- Rear blue safety light
- KAT immobilizer, Operation: Via a coded ignition key

## Custom-made paint finish

- Special painting RAL single color - instead of Weidemann red
- Special painting RAL multicolored

## Other

- Large toolbox (charging cable compartment) incl. tool set and hand lever grease press
- Combination bag (warning triangle / first aid kit)
- Fully automatic central lubrication unit

Warranty extension

- Economy 24 months (2500 h)
- Economy 36 months (3000 h)
- Economy 48 months (3500 h)
- Economy 60 months (4000 h)
- Premium 24 months (3000 h)
- Premium 36 months (4000 h)
- Premium 48 months (5000 h)
- Premium 60 months (6000 h)

## Trailer and recovery equipment

- Self-rescue device (not approved for trailer operation!)
- Railway coupling (not approved for trailer operation!)
- Ball hitch coupling K50
- Automatic trailer coupling
- Railway coupling + ball hitch coupling K50
- Automatic trailer coupling + ball hitch coupling K50

## Self-propelled work machines with ball hitch

- Trailer hitch automatic