

1445e

Telehandler

The ultra-compact electric telehandler

The electrically-powered telehandler 1445e is equipped with a 96V lithium ion battery, which enables a running time of up to 4 hours running time without interim charging depending on the equipment. With a height of under 2 meters and a width of approx. 1.60 meters, as well as a payload of 1,450 kilograms, it also provides impressive power ratings. With the fully electric wheel loader 1445e, CO_2 restrictions, soot particle limit values or noise emissions values to be met will no longer play a role in your daily work. The 1445e works locally emission-free, thereby protecting the environment and the user, and scores points in matters of efficiency and economy.

Exhaust emissions: No local exhaust emissions and clearly reduced noise level

Battery technology: Powerful 96 V lithium-ion battery with a capacity of 18 kWh or 28 kWh

Loading: An integrated on-board charger with up to 6 kW enables fast charging

Operating costs: Lower maintenance costs compared with conventional diesel drive systems

Compact dimensions: Vehicle width under 1.60 m and vehicle height under 2 m

Technical Data

Standard engine data

Exhaust standard level	V

Electric motor

Motor traction drive	23,2 kW
Motor work hydraulics	25.2 kW

Weights

Payload (max.)	1,450 kg
Payload at max. reach	725 kg
Payload at max. stacking height	1,450 kg
Stacking height (max.)	4,301 mm
Payload max. (LSP 500 mm)	1,450 kg
Operating weight	3,050 - 3,250 kg

Filling levels

Tank capacity for hydraulic oil	36 l

Drive system

Travel speed Standard	0-15 km/h
Travel speed Option 1	0-20 km/h
Travel speed Option 2	0-25 km/h

Hydraulic system

Work hydraulics discharge volume (max.)	42 l/min

Steering

Steering angle max.	38 degree
Oscillating angle of the rear axle	14 degree

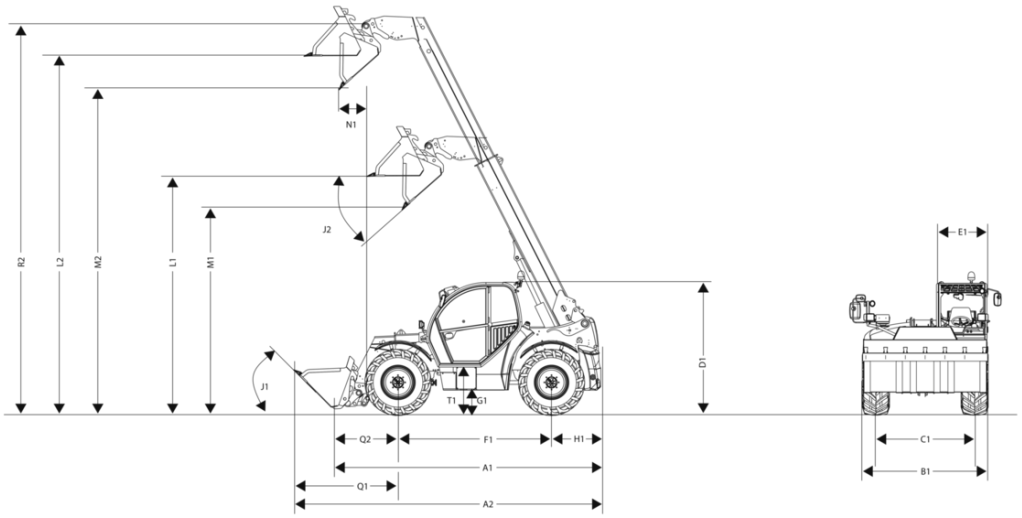
Noise characteristic values

Guaranteed sound power level LwA (cabin)	87 dB(A)
Measured sound power level LwA	85.7 dB(A)
Sound pressure level at the operator's ear	73 dB(A)

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Dimensions



A1	Total length	3,092 mm
A2	Total length with bucket	4,215 mm
B1	Total width without bucket	1,554 mm
C1	rear	1,245 mm
D1	Total height	1,995 mm
E1	Cab width	702 mm
F1	Wheel base center	1,922 mm
H1	Distance center rear wheel to rear	498 mm
J1	Dumping angle	38 °
J2	Dumping angle	36 °
K1	Max. stacking height	4,190 mm
L1	Load-over height retracted	3,010 mm
L2	Load-over height extended	4,224 mm
M1	Dumping height retracted	2,272 mm
M2	Dumping height extended	3,486 mm
N1	Dumping width extended	669 mm
Q1	Distance center front wheel to bucket leading edge	1,699 mm
Q2	Distance center front wheel bearing quick change frame	450 mm
R2	Bucket pivot point extended	4,537 mm
S1	Turning radius outer edge wheels	2,695 mm
S2	Turning radius outer edge bucket	3,660 mm
T1	Entry height cab floor	405 mm

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Standard components

Cab

- FOPS tested, sound proofed, vibration-damped comfort cabin with 360 degree all-round visibility
- 2 front working lights LED 1000 Lm, 1 rear working light LED 1000 Lm
- Roof windscreen wipers, rear windscreen wipers
- Mechanically suspended driver's seat with faux leather cover (SC47)
- Multi-function joystick with travel direction switch and telescoping function
- Color-coded switches for hydraulic, electric, driving , and safety features
- 3rd control circuit on a separate lever
- 3.5-inch color display to display all vehicle functions
- StVZO-lighting
- 3-pole outlet, as well as auxiliary 12V outlet in the cab
- Cab heating with 3 fan speeds, 3 air vents, and 2 defroster nozzles
- Heated front, rear and side windshield
- Hanging pedals and removable floor mats
- Bottle holder, storage net, and sun blind

Steering and work hydraulics

- 3rd control circuit, front
- Overload and operator assistance system "Smart Handling" (bucket and stacking mode)

Drive system and axles

- On-board battery charger up to 3 kW (AC)
- Lithium-ion battery 18.0 kWh 96V (scope of delivery without charging cable)
- Continuously adjustable, electric drive system with energy recovery when decelerating
- Driving mode Auto / Eco Mode
- Operating brake via hydraulically operated disc brake, effective on both axles
- Electric parking brake with hill-hold function
- Brake inching pedal
- Planetary steering axles

Documentation

- Operator's Manual
- Technical Inspection Authority expert's report for obtaining an EBE*

*Only in Germany, Austria, Switzerland, Netherlands, the Czech Republic, Slovakia

Other

- Reversing alarm (acoustic)

Options

Operator's cab & Cabine

- Operator's seat with faux leather cover (SC47) (standard)
- Protective grating for front windshield, removable (not approved for machine travel on public roads)
- Air-sprung operator's seat with faux leather cover (MSG75/521)
- Air-sprung operator's seat with fabric cover (MSG75/521)
- Air-sprung operator's seat with fabric cover and heated seat (MSG75/521)
- Roof heating panel
- Radio DAB+-ready (aerial, speaker)
- Bluetooth radio (DAB+ radio, aerial, speaker)
- 3-Pole outlet + USB outlet 2-way
- Adjustable steering column (height and incline)

Lighting

- Lighting according to road traffic regulations (front halogen, rear LED)
- LED lighting according to road traffic regulations (front and rear LED)
- 1 LED work light (1000 lumen) telescopic arm
- LED rotating beacon (yellow)

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Approval, road traffic

- Individual operating permit (standard)*
- License plate illumination incl. bracket (front and rear small)&# 160;

*Germany, Luxembourg, Netherlands, Austria, Slovakia, the Czech Republic, Switzerland, Estonia, Latvia, Lithuania

Drive system and axles

- Manual throttle (low-speed control)
  - only in combination with:
    - 3. control circuit, electrically operated, proportional, continuous function
- Hydraulic oil pre-heating (230 V)
- 100 % differential lock
- Driving mode Auto/ Eco mode (standard)
- Driving speed 15 km/h (standard)
- Driving speed 20 km/h
- Driving speed 25 km/h
  - only in combination with:
    - License plate illumination incl. bracket (front and rear small)
- All-wheel steering
- Three steering types (all-wheel steering, front wheel steering, crab steering)
- Underbody protection

Tires

- Mitas TR-07 31x15.5-15 ET0- traction tread
- Starco AS-Dump. 400/50-15 ET0 - traction tread
- Starco AS-Dump. 255/75-15.3 ET-40 - traction tread
- Continental MPT81 315/55R16 ET-30 - multi-purpose tread
- Starco Turf Tech 400/50-15 ET0 - turf tread
- Kenda PowerGrip 270/65-16.5 ET-40 - construction machine tread
- Kenda RockGr 270/65-16.5 ET-40 - industry tread

Loading system & Quick change plates

- Hydraulic quick coupler system, Kramer HV/TH - C
- Hydraulic quick coupler system, Weidemann HV/TH - C
- Hydraulic quick coupler system, System EURO ISO23206 (EURO) HV (incl. two couplings SVK Gr. 3)
- Hydraulic quick coupler system, System SMS, SMS HV
- Hydraulic quick coupler system, SkidSteer SAEJ2513 (SSL) HV

Hydraulics

- 3. control circuit mechanical
- Hydraulically activated control circuit in front (electronic switch-over)
- Oil volume adjustment
  - only in combination with:
    - 3. control circuit, electrically operated, proportional, continuous function
- 3. control circuit, electrically operated, proportional, continuous function
- Unpressurized return line, telescoping, including overflow oil line (flatface)
- Smart Handling with manual mode
- 2-way multi-coupler
- 4-way multi-coupler
  - only in combination with:
    - Hydraulically activated control circuit in front (electronic switch-over)
- Pressure release of 3rd control circuit
  - only in combination with:
    - 3. control circuit, electrically operated, proportional, continuous function
- Hydraulic control circuit in rear, dual-acting (electronic commutation)
- Filling of the hydraulic system with environmentally friendly and biodegradable hydraulic oil

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Electrical system

- Lithium-ion battery 28.0 kWh 96V
- On-board up to 6 kW (AC)
- Mains plug earth contact (Schuko) 230V/16A
- CEE, 5-pole, 400V/16A (red)
- Type 2 (IEC 62196)
- Adapter set EU (x plugs)
- CEE, 3-pole, 230V/16A (blue)
- Lockable charge enabling
- Rear outlet, 3-pole (2x electric functions E3/ E4, switchable to front outlet)
  - only in association with
    - Front outlet, 13-pole
- Front outlet, 13-pole for dual function (1st momentary, 2nd latching)
- Front outlet, 13-pole for dual function (1st latching, 2nd momentary)
- Front outlet, 13-pole for dual function (1st momentary, 2nd momentary)
- Front outlet, 13-pole for dual function (1st latching, 2nd latching)
- Outlet for rear attachments, 7-pole
  - only in association with
    - LED lighting according to road traffic regulations (front and rear LED)

Safety options

- Reversing alarm (acoustic)
- Blue safety light
- Immobilizer system, integrated in the ignition switch key
- EquipCare + Dual ID
- Driving signal (forwards alarm)

Other

- Single-color RAL customized paint finish (gray parts not included)*
- Self-rescue equipment
- Towing hitch
- Automatic attachment coupling 38 mm - fixed to frame
  - only in association with
    - Outlet for rear attachments, 7-pole
- Ball hitch attachment coupling (K50) - fixed to frame
  - only in association with
    - Outlet for rear attachments, 7-pole
- Towing coupling with ball hitch attachment coupling (K50) - fixed to frame
  - only in association with
    - Outlet for rear attachments, 7-pole
- Automatic coupling with ball hitch attachment coupling (K50) - fixed to frame
  - only in association with
    - Outlet for rear attachments, 7-pole
- Toolbox (including tool set and hand lever grease press)
- Combination case (first aid kit, warning triangle, reflective vest)
- Incline display incl. extension display (for Australia and New Zealand)
- Central lubrication system

* We reserve the right to decline paint finishes that exhibit similarities to protected colors or color combinations of other manufacturers.

Extended warranties

- Security 24 (2000 h)
- Security 36 (3000 h)

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