KL25.5e

Wheel loaders

Zero emissions with full power

The electrically-driven wheel loader KL25.5e is equipped with a 96-Volt lithium ion battery, which enables a running time of up to 4 hours without interim charging. The wheel loader also has compact dimensions, as well as a bucket tipping load of 2,800 kilograms. With the fully electric KL25.5e, CO2 emissions, soot particles, and noise will no longer play a role in your daily work. The KL25.5e works locally emission-free, thereby protecting humans, animals, and the environment, and scores points in matters of efficiency and economy.

Loading: An integrated on-board charger with up to 9 kW enables fast loading

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

Battery technology: Powerful 96 V lithium-ion battery with a capacity of 37.5 kWh

Bucket tipping load: Compact dimensions with a bucket tipping load of 2,800 kilograms

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

Technical Data

Electric motor

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

Weights

Bucket capacity (standard bucket)	0.65 m³
Operating weight	3,855 - 4,160 kg
Payload (S=1.25)	1,750 kg
Lift capacity (max.)	32.8 kN
Tipping load (standard bucket)	2,800 kg

Filling levels

Tank capacity for hydraulic oil	40 l

Drive system

Travel speed Standard	0-20 km/h

Hydraulic system

Work hydraulics discharge volume (max.)	54,5 l/min

Kinematics

Kinematics type	P-Kinematik

Steering

Steering angle max.	38 degree

Noise characteristic values

Guaranteed sound power level LwA (cabin)	87 dB(A)
Measured sound power level LwA	84.7 dB(A)
Sound pressure level at the operator's ear	71 dB(A)

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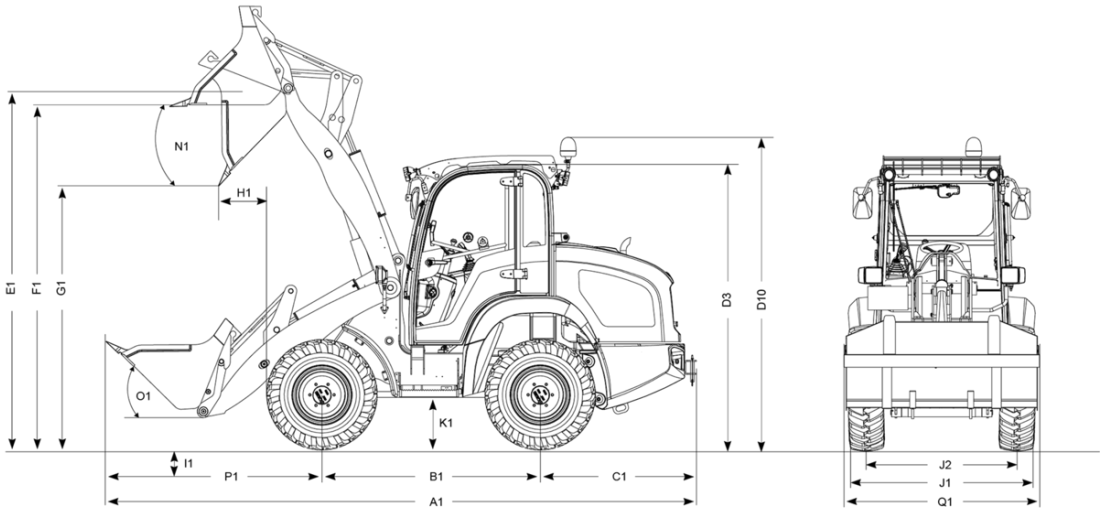
Dimensions



A2	extended loading system	5,350 mm
A1	Total length with standard attachment	5,110 mm
B1	Wheel base center	1,850 mm
C1	Rear overhang	1,235 mm
D3	Height with cab	2,380 mm
D5	Height of cab with protective grille	2,450 mm
D10	Total height of cabin with rotating beacon	2,570 mm
E1	Max. height blade pivot point	3,017 mm
E2	Max. height of hinge pin height extended loading system	3,280 mm
F1	Load-over height	2,850 mm
F2	Load-over height extended loading system	3,080 mm
G1	Dumping height	2,320 mm
G2	extended loading system	2,590 mm
H1	Dumping width	330 mm
H2	Dumping range extended loading system	420 mm
I1	Digging depth	110 mm
J1	Total width	1,720 mm
J2	Track width	1,284 mm
K1	Ground clearance	265 mm
L1	Turning radius outer edge wheels	2,505 mm
M1	Steering angle	38 °
M2	Swing angle	16 °
N1	Dumping angle at max. lifting height	42 °
O1	Dumping angle at ground level	48 °
P1	Distance center front axle to tooth tip	1,840 mm
Q1	Bucket width	1,650 mm
R1	Stacking height	2,800 mm

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Standard components

Cab

- Cabin with heated rear windshield
- Mechanical, pilot-controlled joystick, roll switch for travel direction selection
- 3rd control circuit with continuous function (proportional oil volume adjustment via rotary potentiometer)
- 3rd control circuit proportional on the joystick
- Color-coded toggle switch for hydraulic, electric, driving and safety features
- Mechanically suspended operator's seat with faux leather cover (MSG20), with automatic seat belt, weight, back and horizontal adjustment
- 12 V outlet
- StVZO-lighting
- Work lights 4x LED Basic (1000 Lumen)

Drive system

- On-board battery charger up to 9 kW (AC)
- Lithium-ion battery 37.5 kWh 96V (scope of delivery without charging cable)
- ECO mode

Power transmission

- Combined brake-inch pedal
- 100% self-locking differential connectible in the front axle
- Parking brake: mechanical spring brake with electro-magnetic release function
- Operating brake: Foot-operated, hydrostatically-supported disc brake
- Pendulum pin lubrication line

Steering and work hydraulics

- Hydraulic all-wheel steering with emergency steering properties
- Pressure release of 3rd control circuit
- Pendulum pin lubrication
- Hydraulic oil cooler

Kinematics

- Parallel kinematics
- Hydraulic quick-hitch plate

Documentation

- Operator's manual, service manual

Options

Operator's cab & Cabine

- Standard heating + heat mats
- Warm-Up Package (pre-heating cabin + hydraulic oil)
  - includes:
    - Cabin warm-up
    - Hydraulic fluid pre-heating
- Operator's seat: MSG20 Fabric-mech. springs, high backrest
- Driver's seat: MSG75GL/521 + Air+Heating
- Document box
- Radio preparation
- BT radio DAB+ with intercommunication station

Lighting

- Lighting according to road traffic regulations LED
- LED rotating beacon
- Performance Package work lights (Hella Ultra Beam 2000 lumen)
  - includes:
    - Front work lights 2x LED Performance
    - Rear work lights 2x LED Performance

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Approval, road traffic

- Data confirmation (ABE) for self-propelled work machine (standard)*
- License plate illumination, including license plate bracket
  - includes:
    - License plate illumination
    - License bracket front rear
- Road lights (reflectors for special bucket)

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

Drive system & Axles

- Steering mode switchover all-wheel steering / front axle steering
- Slow speed device

Tires

- 12.0-18 Alliance A-317 ET 38
- 340/80 R18 Michelin BIBLOAD ET 25
- 365/70 R18 Alliance 608 ET 25
- 340/80 R18 Alliance 580 ET 38
- 340/80 R18 Alliance 550 ET 25

Loading system & Quick coupler system

- Hydraulic quick coupler system, Kramer System HV/WL - C
- Loading system vibration dampening - automatic load stabilizer
- Floating position control unit
- Increased lift height for loading system
- Hydraulic quick coupler system, Kramer System HV/WL - C Smart Attach
- Hydraulic quick coupler system, EURO HV System (different to technical data and available attachments)
  - not in conjunction with:
    - Load hooks
- Load hooks

Hydraulics

- Oil cooler
- Warm-up package (hydraulic oil + cabin warm-up)
  - includes:
    - Hydraulic fluid pre-heating
    - Cabin warm-up
- Hydraulic oil Panolin HLP Synt46 Bio

Hydraulics in front

- Front return line, unpressurized return + leak oil

Electrical system

- Front outlet 7-pole (2 switch positions)
- Rear outlet 7-pole
- Rear outlet 13-pole
- Charge activation, charge enabling switch, battery charger
- Charge activation, charge enabling switch, lockable battery charger (standard)
- Charging accessory - CEE plug, 5-pole, 400V/16A (red)
- Charging accessory - CEE plug, 3-pole, 230V/16A (blue)
- Charging accessory - Schuko mains plug, 230V/16A
- Charging accessory - Type 2 (IEC 62196)
- Charging accessory EU - Universal set

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Safety options

- Pipe rupture protection for lift and tilt cylinders
- Reversing alarm / drive signal
- Drive signal for forward travel
- Immobilizer (integrated in the ignition key)
  - not in connection with:
    - EquipCare Dual ID
- EquipCare Dual ID
- Warning markings red / white (according to DIN 30710)
- Fire extinguisher (2 kg)
- Safety support lifting cylinder
- FOPS_ Protective grille level 2
- Safety belt orange
  - not in connection with:
    - Air-sprung driver's seat with lumbar support (MSG75GL/521)
- Seat belt monitoring Seat belt monitor
  - not in connection with:
    - Air-sprung driver's seat with lumbar support (MSG75GL/521)

Paint

- Single-color RAL customized paint finish (gray parts not included)*
- Aggressive medium vehicle operation (salt and fertilizer use)

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

Other

- Automatic centralized lubrication system
- Central lubrication strip

Ball hitches

In conjunction with an attachment coupling (not a towing hitch), a rear outlet must always be selected.

- Towing hitch*
- Automatic trailer coupling
- Ball coupling for trailer K50

*Towing/ball hitch/automatic coupling can only be affixed to the vehicle independent of one another

Extended warranties

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

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