



5065e

Wheel loaders

The emission-free wheel loader

The electrically-driven wheel loader 5065e 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 stacking payload of 1,750 kilograms. With the fully electric wheel loader 5065e, CO₂ restrictions, soot particle limit values or noise emissions values to be met will no longer play a role in your daily work. The 5065e works locally emission-free, thereby protecting the environment and the user, and scores points in matters of efficiency and economy.

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

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

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

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 m ³
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
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■ Drive system

Travel speed Standard	0-20 km/h
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■ Hydraulic system

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

Kinematics type	P-Kinematik
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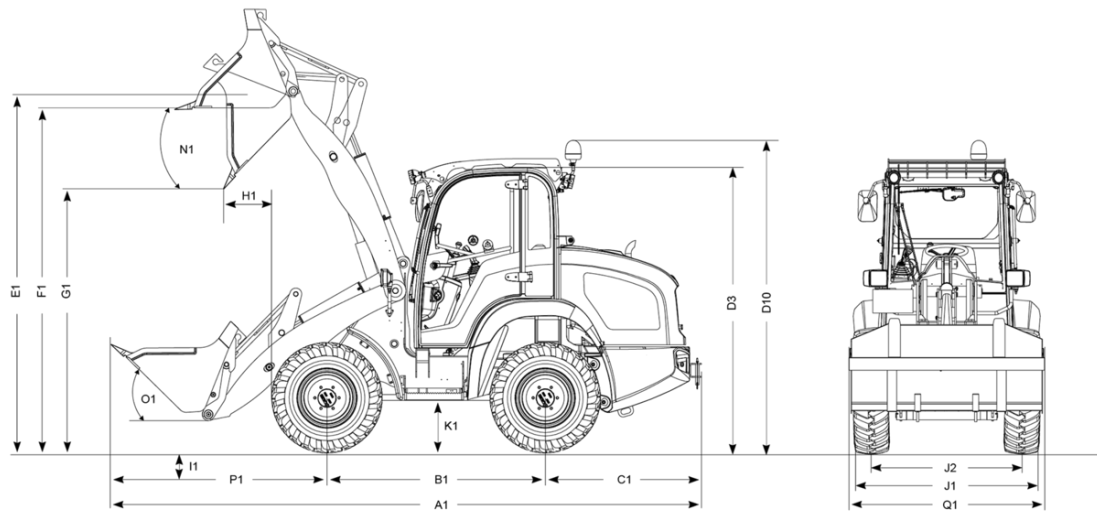
■ Steering

Steering angle max.	38 degree
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■ Noise characteristic values

Guaranteed sound power level L _{WA} (cabin)	87 dB(A)
Measured sound power level L _{WA}	84.7 dB(A)
Sound pressure level at the operator's ear	71 dB(A)

Dimensions



A1	Total length with standard attachment	5,110 mm
A2	extended loading system	5,350 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 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	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	extended loading system	420 mm
I1	Digging depth	110 mm
J1	Total width	1,600 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

Standard components

Cab

- Cabin, with rear window heating
- Mechanically pilot operated joystick, scroll wheel for travel direction selection
- 3rd control circuit with continuous function (proportional oil volume setting via rotary potentiometer)
- 3rd control circuit proportional on the joystick
- Colour-coded rocker switch for hydraulic, electric, driving and safety features
- Mechanically suspended operator's seat with faux leather cover (MSG20), with automatic seatbelt, weight, back and horizontal adjustment
- 12V plug receptacle
- StVZO (German road traffic regulations) lights
- Work light 4x LED Basic (1000 lumens)

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 features
- Pressure release of 3rd control circuit
- Lubrication pendulum pins
- Hydraulic fluid 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
- Operator'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

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

- All-wheel/ front wheel steering steering mode change
- Low-speed control

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
- Trelleborg 340/80R18 TH500 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
- Pre-heating package (hydraulic fluid + cabin pre-heating)
 - includes:
 - Hydraulic fluid pre-heating
 - Cabin pre-heating
- Filling the hydraulic system with environmentally friendly and biodegradable hydraulic fluid

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

Safety options

- Hose burst valves for lift and tipping cylinders
- Reverse alarm / drive signal
- Drive signal when travel forwards
- Drive interlock (integrated in ignition switch key)
 - not in conjunction with:
 - EquipCare + Dual ID
- EquipCare + Dual ID
- Red / white warning stripes (according to DIN 30710)
- Fire extinguisher (2 kg)
- Lift cylinder safety prop
- FOPS protective grating level 2
- Safety Belt Orange
 - not in conjunction with:
 - Air-sprung operator's seat with lumbar support (MSG75GL/521)
- Seatbelt monitoring seatbelt alarm
 - not in conjunction with:
 - Air-sprung operator'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 central 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)