



4060

Wheel loader

Technical Data

■ Standard engine data

Engine manufacturer	Kohler
Motor type	KDI 2504 TCR
Cylinder	4
Drive output	55.4 kW
Drive output	75 PS
at max. rpm	2,300 U/min
Maximum torque	315 Nm
Cylinder capacity	2,482 cm ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF

■ Electrical system

Operating voltage	12 V
Battery	100 Ah
Alternator	120 A

■ Weights

Operating weight	5,700 - 6,100 kg
Thrust force (max.)	5,950 daN
Lift capacity (max.)	4,190 daN
Tipping load with bucket – machine straight, loading frame horizontal	3,220 - 3,450 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	2,760 - 2,960 kg
Tipping load with bucket - machine straight, loading frame in lowest position	4,234 - 4,526 kg
Tipping load with bucket - machine pivoted, loading frame in lowest position	3,643 - 3,901 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	2,870 - 3,067 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,480 - 2,654 kg
Tipping load with pallet fork - machine straight, transport position	3,337 - 3,557 kg
Tipping load with pallet fork - machine pivoted, transport position	2,892 - 3,086 kg

■ Driver's cab

Driver's cab	Cab
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■ Filling levels

Tank capacity for fuel	80 l
Tank capacity for hydraulic oil	32 l

■ Drive system

Type of drive	ecDrive (Electronic Controlled Drive)
drive unit	hydrostatic via transfer gearbox and universal joint shaft
Speed levels	2
Axle	PA 1422
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Operating brake	Disc brakes (option: multi-disc brakes)
Parking brake	Disc brakes (option: multi-disc brakes)
Differential lock	100 % front axle + rear axle

■ Hydraulic system

Drive hydraulics working pressure (max.)	500 bar
Work hydraulics discharge volume (max.)	73,4 (91,1) l/min
Work hydraulics working pressure (max.)	235 bar

■ Kinematics

Kinematics type	Z
Lifting cylinder	1
Tipping cylinder	1
Quick change system	hydraulic

■ Steering

Steering type	hydraulically activated articulated pendulum steering
Steering cylinder	1
Oscillating angle	± 10 degree

■ Noise characteristic values

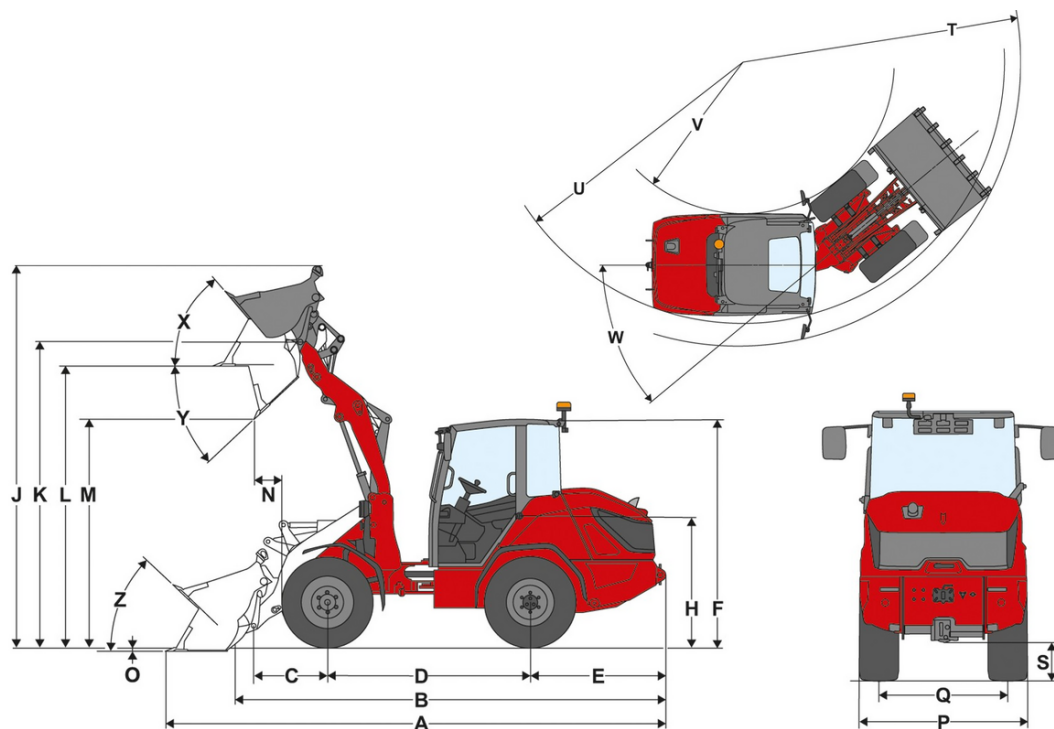
Average sound power level LwA (cabin)	99.8 dB(A)
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Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	71 dB(A)

■ Other information

DPF = diesel particulate filter
 DOC = diesel oxidation catalyst
 SCR = selective catalytic reduction
 Tipping load calculation pursuant to ISO 14397

Dimensions



	Standard components	405 / 70 R20 BKT 513 ET30
A	Total length	6,115 mm
B	Total length without bucket	5,275 mm
C	Bucket pivot point (to center of axle)	1,530 mm
D	Wheel base	2,150 mm
E	Rear overhang	1,435 mm
F	Height with cab	2,535 mm
H	Seat height	1,510 mm
J	Total working height	4,580 mm
K	Bucket pivot point (max. lift height)	3,700 mm
L	Load-over height	3,450 mm
M	Dumping height	2,815 mm
N	Reach (at M)	1,065 mm
O	Digging depth	80 mm
P	Total width	1,770 mm
Q	Track width	1,360 mm
S	Ground clearance	390 mm
T	Maximum radius	4,645 mm
U	Radius on the outer edge	3,990 mm
V	Inner radius	2,100 mm
W	Articulation angle	40 °
X	Rollback angle at max. lift height	63 °
Y	Dumping angle	45 °
Z	Rollback angle on ground	47 °

Standard components

Engine

- Kohler 2504 TCR, 55.4 kW / 75 hp, (DOC/DPF), EU: Stage V

Steering system

- Hydraulic articulated pendulum steering
- Steering cylinder: 1

Operator's cab

- 1-Door comfort cabin with heater and fan, ROPS / FOPS-tested
- Generous provision of space
- Mirror on the left and right
- Ergonomic, generous access
- Adjustable steering wheel (incline and height)

Operator's seat

- Mechanically sprung fabric seat with seatbelt, weight, back and horizontal adjustment

Lighting

- Lighting according to StVZO
- LED Basic worklights (1000 lm) on the roof, 2 at the front, 1 at the rear

Drive system & Axles

- Axle: planetary axle PA1422
- Drive: hydrostatic via transfer case and universal joint shaft, electronic controlled
- operating modes: Auto Mode; ECO Mode (reduction of engine speed when set speed is reached)
- Lock: different lock 100 %, electrically-hydraulically adjustable on the front and rear axle
- Speed 20 km/h (optional 30 km/h)
- Speed levels: 2 | 10 km/h / 20 km/h
- Operating brake:&# 160;drum brake on the front axle acting on the rear axle via the universal joint shaft
- Parking brake:&# 160;drum brake - actuation via the handbrake lever on the front axle acting on the rear axle via the universal joint shaft

Tires

- 405 / 70 R 20 BKT MP513 ET30, width 1770 mm, height 2535 mm

Loading system

- Load arm LS961
- Hydraulic quickhitch facility (Z-HV)
- Kinematics: Z
- Lifting cylinder: 2
- Tipping cylinder: 1
- Floating position for lift cylinder

Hydraulics

- Electric pilot-controlled joystick with travel direction control and integrated touch button for differential lock
- 3rd control circuit front, electrical, proportional via joystick incl permanent operation
- Work hydraulics 77 l/min (33.6 ccm)
- Hydraulic oil cooler

EquipCare (telematics)

- EquipCare 36 months

Options

Operator's cab

- Two-piece cabin door
- Rear-view mirror, wide-angle, cabin
- Air-conditioning system
- Radio DAB+-ready (aerial, speaker)
- Radio DAB+ complete
- 1 plug receptacle: 2xUSB
- Sun shade
- Storage compartment (left of the operator's seat)
- Internal panoramic mirror

Operator's seat

- Vinyl seat
- Artificial leather seat; air-sprung; MSG95
- Fabric seat; air-sprung; high backrest; MSG95
- Fabric seat; air-sprung; heated seat; MSG95
- Fabric seat; air-sprung; heated seat; high backrest; MSG95
- Fabric seat; air-sprung; MSG95
- Fabric seat; high backrest; MSG85

Lighting

- LED lighting according to StVZO
- LED Performance worklights (2000 lm) on the roof, 2 at the front, 2 at the rear
- Rotating beacon LED (yellow), (The national regulations must be observed.)

Approval & Road traffic

- Individual operating permit < 25 km/h
- Individual operating permit > 25 km/h
- Front and rear license plate bracket
- Warning triangle (the national requirements must be observed.)

Drive system & Axles

- Manual throttle
- Pre-heating: Coolant, hydraulic oil; 230 V, plug receptacle type E/F
- Pre-heating: Coolant, hydraulic oil; 230 V, plug receptacle type J
- Pre-heating: Coolant, hydraulic oil; 230 V, plug receptacle type G
- Driving mode Auto / Eco / Attachments
- Driving mode Auto / Eco / M-Drive
- Speed limiter proportional (slow speed device)
- 20km/h speed increase
- 30km/h speed increase
- Electro-hydraulic multi-disc brakes with spring suspension in the front axle acting on rear axle via universal joint shaft, incl. hill-hold function

Tires

- 400 / 70 R 20 Alliance 585 ET0, width 1827, height 2531 mm
- 400 / 70 R 20 Michelin Bibload ET0, Bibload tread, width 1827, height 2531 mm
- 445 / 70 R 19.5 Alliance 624 ET0, width 1868 mm, height 2550 mm
- 550 / 45 R 22.5 Alliance 331 ET-50, width 2073 mm, height 2532 mm
- 400 / 70 R 20 Michelin XMCL ET0, width 1835 mm, height 2539 mm

Loading system

Quickhitch plates:

- SkidSteer (hydraulic - SAEJ2513 SSL HV)
- Euro (hydraulic - ISO23206 EURO HV) (incl. two couplings SVK size 3)
- Weidemann HV/WL- L (hydraulic) (4080 / 5080)

Other:

- Lowering brake valve (hose burst valves for lift and tipping cylinders)
- Load arm dampening
- Bucket status display

Bio-hydraulic oil

- Shell Panolin HLP Synt46 (Biohydraulic oil)

Hydraulics in front

- Work hydraulics 95 l/min (41.7 ccm)
- Pressureless return line in front (1 x Flatface size 3, plug) incl. leakage oil line (1 x Flatface size 2, plug)
- Quick coupling faster 2-fold - machine side + attachment side
- Pressure release of 3rd control circuit in front on telescopic arm

Hydraulics in rear

- Rear single-acting hydraulic connection via changeover valve (two SVK size 3 couplings)

Electrical connections in front

- Front plug receptacle, 13-pole (2x electric functions E1/ E2 and lighting); Operation: Via 2 buttons on the joystick; 1st pressing function, 2nd latching function
- Front socket 13-pole (2x electrical functions E1/ E2 and lighting);&# 160;Operation: Via 2 buttons on the joystick; 1st latching function, 2nd pressing function
- Front socket 13-pole (2x electrical functions E1/ E2 and lighting);&# 160;Operation: Via 2 buttons on the joystick; 1st pressing function, 2nd pressing function
- Front socket 13-pole (2x electrical functions E1/ E2 and lighting);&# 160;Operation: Via 2 buttons on the joystick; 1st latching function, 2nd latching function

Electrical connections in rear

- Rear socket 7-pole for lighting of rear attachments

Electrical system

Battery disconnect switch:

- Battery isolator switch driver's cab - relay isolating

Safety options

- Reversing warning device (acoustic)
- Rear view camera
- Seat belt monitoring
- Immobilizer ignition key (operation: Via coded ignition key)
- EquipCare Dual ID Keypad immobilizer (operation: Via keypad)

Custom-made paint finish

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

Other

- Floor plate counterweight (100 kg)
- Tool box incl. tool set
- Combination bag (warning triangle / first aid kit)
- Fully automatic central lubrication unit

Trailer and recovery equipment

- Trailer hitch 38 mm, automatic
- Shunting coupling (not approved for trailer operation!)
- Towing hitch ball head K50
- Maneuvering coupling trailer hitch ball head K50