



2060

Wheel loaders

Technical Data

■ Standard engine data

Engine manufacturer	Kohler
Motor type	KDI 1903 TCR
Cylinder	3
Drive output	42 kW
Drive output	57 PS
at max. rpm	2,600 U/min
Maximum torque	225 Nm
Cylinder capacity	1,861 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	3,730 - 4,230 kg
Thrust force (max.)	4,320 daN
Lift capacity (max.)	3,925 daN
Tipping load with bucket – machine straight, loading frame horizontal	2,910 - 3,510 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	2,550 - 3,070 kg
Tipping load with bucket - machine straight, loading frame in lowest position	4,401 - 5,284 kg
Tipping load with bucket - machine pivoted, loading frame in lowest position	3,857 - 4,633 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	2,410 - 2,890 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,110 - 2,530 kg
Tipping load with pallet fork - machine straight, transport position	2,871 - 3,441 kg
Tipping load with pallet fork - machine pivoted, transport position	2,519 - 3,021 kg

■ Driver's cab

Driver's cab	FSD (cabin)
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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 1200
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Operating brake	Drum brake (option: multi-disc brakes)
Parking brake	Drum brake (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.)	56,6 (70,4) l/min
Work hydraulics working pressure (max.)	235 bar

■ Kinematics

Kinematics type	PZ
Lifting cylinder	2
Tipping cylinder	1
Quick change system	hydraulic

■ Steering

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

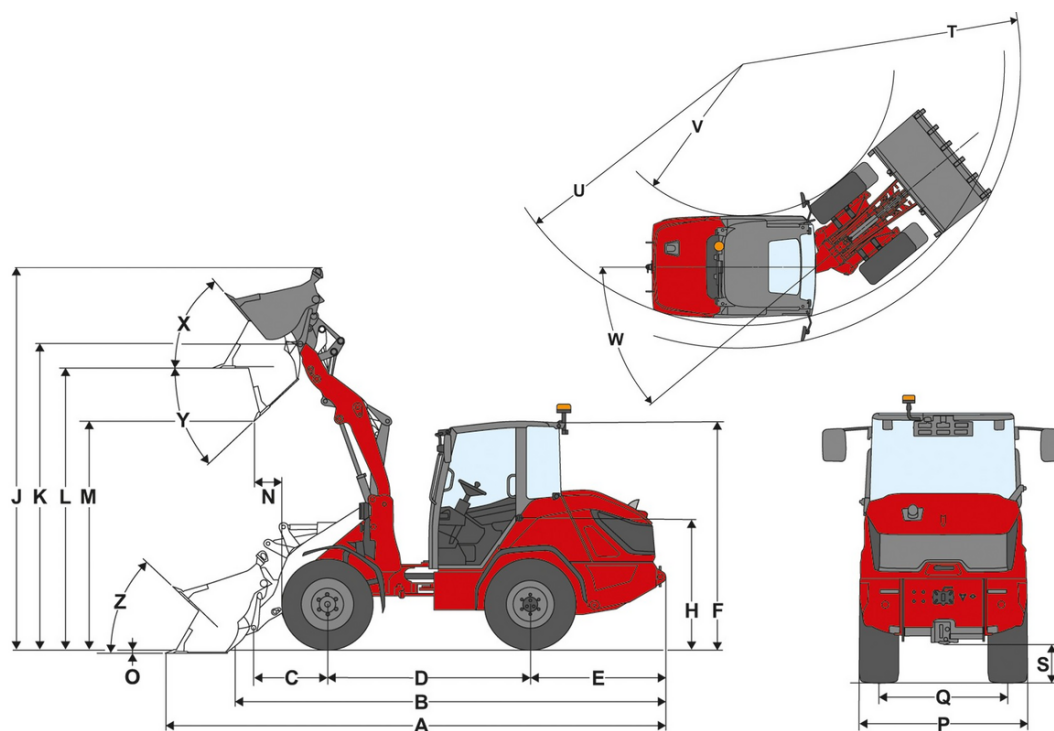
■ Noise characteristic values

Average sound power level LwA (operator's canopy)	99.9 dB(A)
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Guaranteed sound power level LwA (operator's canopy)	101 dB(A)
Specified sound pressure level LpA (operator's canopy)	70 dB(A)
Average sound power level LwA (cabin)	99.9 dB(A)
Guaranteed sound power level LwA (cabin)	101 dB(A)

Specified sound pressure level LpA (cabin)	69 dB(A)
■ Other information	
FSD = operator's canopy	
DPF = diesel particulate filter	
DOC = diesel oxidation catalyst	
SCR = selective catalytic reduction	
Tipping load calculation pursuant to ISO 14397	

Dimensions



	Standard components	365 / 70 R 18 BKT MP513 ET20
A	Total length	5,295 mm
B	Total length without bucket	4,480 mm
C	Bucket pivot point (to center of axle)	785 mm
D	Wheel base	2,150 mm
E	Rear overhang	1,435 mm
F	Height with lowered operator's canopy	2,345 mm
	Height with operator's canopy raised	2,425 mm
	Height with cab	2,425 mm
H	Seat height	1,400 mm
J	Total working height	4,065 mm
K	Bucket pivot point (max. lift height)	3,240 mm
L	Load-over height	2,950 mm
M	Dumping height	2,415 mm
N	Reach (at M)	290 mm
O	Digging depth	35 mm
P	Total width	1,520 mm
Q	Track width	1,160 mm
S	Ground clearance	345 mm
T	Maximum radius	4,125 mm
U	Radius on the outer edge	3,850 mm
V	Inner radius	2,225 mm
W	Articulation angle	40 °
X	Rollback angle at max. lift height	50 °
Y	Dumping angle	44 °
Z	Rollback angle on ground	43 °

Standard components

Engine

- Kohler KDI 1903 TCR, 42 kW / 57 hp (DOC/DPF), EU: Stage V

Steering system

- Hydraulically activated articulated pendulum steering
- Steering cylinder: 1

Operator's cab

- Operator's canopy ROPS / FOPS tested, rear windshield
- Generous provision of space
- Mirror on the left and right
- Ergonomic, generous access
- Adjustable steering wheel (incline and height)

Operator's seat

- Synthetic leather seat with safety belt, fully sprung, weight, backrest and length 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 PA1200
- 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: 100%, front and rear axle
- Speed: 20 km/h (optional 30 km/h)
- Travel speeds: 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

- 365 / 70 R 18 BKT MP513 ET20, width 1520 mm, height 2425 mm

Loading system

- Load arm LS937
- Quickhitch facility (Weidemann HV/HT - C) hydraulic
- Kinematics: PZ
- Lifting cylinder: 2
- Tipping cylinder: 1
- Floating position for lifting cylinder

Hydraulics

- Electrically pilot-controlled joystick with direction switch and integrated button for differential lock
- 3. Front control circuit electrically proportional via joystick, incl. continuous function
- Working hydraulics 59 l/min (22.9 ccm)
- Hydraulic oil cooler

EquipCare (telematics)

- EquipCare 36 months

Options

Operator's cab

- Low operator's canopy, incl. rear windshield
- 1-Door cabin, including heater and fan
- Two-piece cabin door
- Front and rear windshield incl. wipers front and rear
- 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

- Fabric seat; MSG85
- 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 18 Michelin Bibload ET0, Bibload tread, width 1597, height 2444
- 425 / 55 R 17 Alliance 570 ET-15, width 1655 mm, height 2386 mm
- 440 / 50 R 17 BKT Trac Super ET-15, width 1671 mm, height 2377 mm
- 340 / 80 R 18 Alliance 585 ET15, width 1515 mm, height 2441 mm
- 400 / 70 R 18 Michelin XMCL ET0, XMCL tread, width 1604 mm, height 2447 mm
- 405 / 70 R 18 Alliance 608 ET0, width 1608 mm, height 2453 mm

Loading system

Quickhitch plates:

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

Other:

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

Bio-hydraulic oil

- Shell PANOLIN S4 HLP Synth 46 (bio hydraulic oil)

Hydraulics in front

- Work hydraulics 74,1 l/min (28.5 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 Wacker Neuson yellow
- Special painting RAL multi-color

Other

- Floor plate counterweight (200 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