



3060 Wheel loaders

Technical Data

Standard engine data

Engine manufacturer	Rehlko
Motor type	KDI 2504 TCR
Cylinder	4
Drive output	48 kW
Drive output	65 PS
at max. rpm	2,200 U/min
Maximum torque	300 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	5,280 - 5,760 kg
Thrust force (max.)	8,135 daN
Lift capacity (max.)	5,515 daN
Tipping load with bucket – machine straight, loading frame horizontal	3,350 - 3,770 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	2,830 - 3,200 kg
Tipping load with bucket - machine straight, loading frame in lowest position	4,970 - 5,570 kg
Tipping load with bucket - machine pivoted, loading frame in lowest position	4,230 - 4,760 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	2,830 - 3,170 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,410 - 2,710 kg
Tipping load with pallet fork - machine straight, transport position	3,410 - 3,800 kg
Tipping load with pallet fork - machine pivoted, transport position	2,910 - 3,260 kg

■ Driver's cab

Driver's cab	Cab
Filling levels	
Tank capacity for fuel	80 I
Tank capacity for hydraulic oil	32
■ 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	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.)	70,2 (87,2) I/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)	99.6 dB(A)

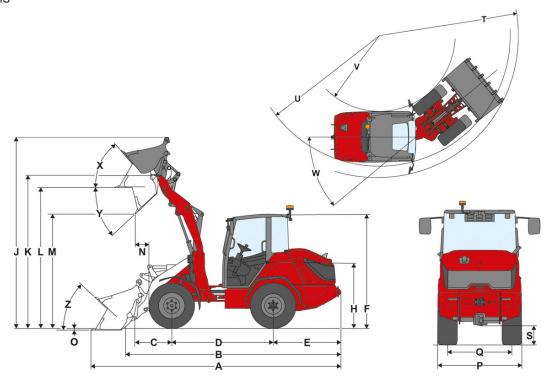
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Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	73 dB(A)

Other information

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

Dimensions



	Standard components	365 / 70 R18 BKT MP513 ET30
Α	Total length	5,590 mm
В	Total length without bucket	4,880 mm
С	Bucket pivot point (to center of axle)	1,120 mm
D	Wheel base	2,150 mm
Е	Rear overhang	1,435 mm
F	Height with cab	2,485 mm
Н	Seat height	1,460 mm
J	Total working height	4,215 mm
K	Bucket pivot point (max. lift height)	3,395 mm
L	Load-over height	3,140 mm
M	Dumping height	2,590 mm
N	Reach (at M)	820 mm
0	Digging depth	145 mm
Р	Total width	1,720 mm
Q	Track width	1,360 mm
S	Ground clearance	335 mm
Т	Maximum radius	4,385 mm
U	Radius on the outer edge	3,935 mm
V	Inner radius	2,125 mm
W	Articulation angle	40 °
X	Rollback angle at max. lift height	65 °
Υ	Dumping angle	45 °
Z	Rollback angle on ground	45 °

Standard components

Engine

Rehlko 2504 TCR, {48 kW / 65,3 PS}{48 kW / 64.4 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: PA1422 planetary axle
- Drive: Hydrostatic all-wheel drive, electronically controlled, ecDrive (Electronic Controlled Drive)
- · Driving modes: Auto mode; ECO mode (reduction of engine speed when the set speed is reached)
- Lock: 100% differential lock, electrically-hydraulically engageable on front and rear axles
- Speed: {20 km/h (optional 30 km/h)}{12.4 mph (optional 18.6 mph)}
- Drive stages: 2 | {10 km/h / 20 km/h}{6.2 mph / 12.4 mph}
- Service brake: Drum brake on front axle acting on rear axle via drive shaft
- Parking brake: Drum brake operated by handbrake lever on front axle, acting on rear axle via drive shaft

Tires

365/70 R 18 BKT Multimax MP513 ET30, profile AS, width {1720 mm}{67.72 in}, height {2485 mm}{97.84 in}

Loading system

- Load arm LS960
- Hydraulic quickhitch facility (Z-HV)
- Kinematics: Z
- Lifting cylinder: 2
- Tipping cylinder: 1
- Floating position for lifting cylinder:

Hydraulics

- Electrically controlled joystick with direction switch and integrated button for differential lock
- 3. Front control circuit electrically proportional via joystick, including double detent
- Working hydraulics {74 l/min (33,6 ccm)}{19.6 gpm (2.1 in³)}
- · 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

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- · 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}{15.5 mph}
- Individual operating permit > {25 km/h}{15.5 mph}
- 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)
- {20 km/h}{12.4 mph} speed increase
- {30 km/h}{18.6 mph} 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

- 405/70 R 20 BKT Multimax MP 513 ET30, AS tread, width {1770 mm}{69.69 in}, height {2535 mm}{99.8 in}
- 550/45 R 22.5 Alliance 331 ET-50, AS tread, width {2070 mm}{81.5 in}, height {2536 mm}{99.84 in}
- 400 / 70 R 18 Alliance 585 ET0, EM profile, width {1824 mm}{71.81 in}, height {2509 mm}{98.78 in}
- 445 / 70 R 19.5 Alliance 624 ET0, EM tread, width {1865 mm}{73.45 in}, height {2553 mm}{100.51 in}
- 440 / 50 R 17 BKT Trac Super ET0, turf tread, width {1861 mm}{73.27 in}, height {2437 mm}{95.95 in}

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/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 S4 HLP Synt46 (Biohydraulic oil)

Hydraulics in front

- Working hydraulics {91 l/min (41.7 ccm)}{24.0 gpm (2.6 in³)}
- Pressureless return at front (1 x flat face size 3, plug) incl. leak oil line (1 x flat face size 2, plug)
- Faster quick coupling, double machine side + attachment side
- · Pressure relief 3rd control circuit at front of 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 The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

- 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
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- 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)

Custom-made paint finish

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

Other

- Floor plate counterweight ({200 kg}{440.9 lb})
- · 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}{1.5 in}, automatic
- Maneuvering coupling (Not approved for trailer operation!)