



4060 Wheel loader

Technical Data

■ Standard engine data

| | |
|------------------------|-----------------------|
| Engine manufacturer | Rehiko |
| 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 | 5,760 - 6,080 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 | 4,230 - 4,530 kg |
| Tipping load with bucket - machine pivoted, loading frame in lowest position | 3,640 - 3,900 kg |
| Tipping load with pallet fork – machine straight, loading frame horizontal | 2,870 - 3,070 kg |
| Tipping load with pallet fork – machine pivoted, loading frame horizontal | 2,480 - 2,650 kg |
| Tipping load with pallet fork - machine straight, transport position | 3,340 - 3,560 kg |
| Tipping load with pallet fork - machine pivoted, transport position | 2,890 - 3,090 kg |

■ Driver's cab

| | |
|--------------|-----|
| Driver's cab | Cab |
|--------------|-----|

■ 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.) | 77 (95) 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

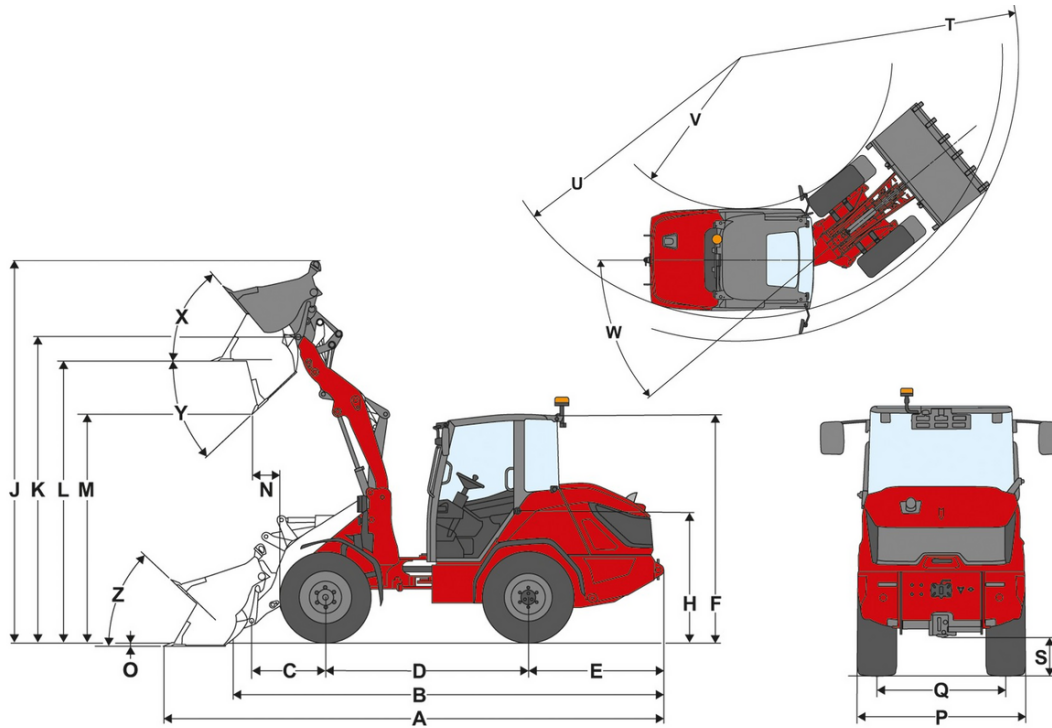
| | |
|---------------------------------------|------------|
| Average sound power level LwA (cabin) | 99.8 dB(A) |
|---------------------------------------|------------|

| | |
|--|-----------|
| 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 external 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

- Rehlko KDI 2504 TCR, {55.4 kW (75,3 PS)}{55.4 kW (74.3 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 all-wheel drive, electronically controlled, ecDrive (Electronic Controlled Drive)
- 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)}{12.4 mph (optional 18.6 mph)}
- Speed levels: 2 | {10 km/h / 20 km/h}{6.2 mph / 12.4 mph}
- Operating brake: Disc brake on the front axle acting on the rear axle via a drive shaft
- Parking brake: Disc brake; operated by handbrake lever on front axle, acting on rear axle via drive shaft

Tires

- 405 / 70 R 20 BKT MP513 ET30, Width {1770 mm}{69.69 in}, Height {2,535 mm}{99.8 in}

Loading system

- Load arm LS961
- Hydraulic quickhitch facility (Z-HV)
- Kinematics: Z
- Lifting cylinder: 1
- 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 double rest
- 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)

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- 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

- 400/70 R 20 Alliance 585 ET0, width {1827 mm}{72.93 in}, height {2531 mm}{99.65 in}
- 445/70 R 19.5 Alliance 624 ET0, width {1868 mm}{73.54 in}, height {2550 mm}{100.39 in}
- 550 / 45 R 22.5 Alliance 331 ET-50, width {2073 mm}{81.61 in}, height {2532 mm}{99.69 in}

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 {77 l/min (33,6 ccm)}{20.3 gpm (2.1 in³)}
- Work hydraulics {95 l/min (41,7 ccm)}{25.1 gpm (2.5 in³)}
- 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
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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 ((100 kg){220.5 lb})((100 kg){220.5 lb})
- Tool box incl. tool set
- Combination bag (warning triangle / first aid kit)
- Fully automatic central lubrication unit

Warranty extension

- Economy 24 months (2500 h)
- Economy 36 months (3000 h)
- Economy 48 months (3500 h)
- Economy 60 months (4000 h)
- Premium 24 months (3000 h)
- Premium 36 months (4000 h)
- Premium 48 months (5000 h)
- Premium 60 months (6000 h)

Trailer and recovery equipment

- Trailer hitch {38 mm}{1.5 in}, automatic
- Shunting coupling (not approved for trailer operation!)