



4080 Wheel loaders

Technical data

■ Electrical system

| | |
|-------------------|--------|
| Operating voltage | 12 V |
| Battery | 135 Ah |
| Alternator | 85 A |

■ Weights

| | |
|--|----------|
| Operating weight | 5,900 kg |
| Tipping load with bucket – machine straight, loading frame horizontal | 3,674 kg |
| Tipping load with bucket – machine pivoted, loading frame horizontal | 3,031 kg |
| Tipping load with pallet fork – machine straight, loading frame horizontal | 3,344 kg |
| Tipping load with pallet fork – machine pivoted, loading frame horizontal | 2,791 kg |

■ Driver's cab

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

■ Filling levels

| | |
|---------------------------------|-------|
| Tank capacity for fuel | 105 l |
| Tank capacity for hydraulic oil | 95 l |
| Tank capacity for urea solution | 19 l |

■ Drive system

| | |
|-----------------------|---|
| Type of drive | Hydrostatic |
| drive unit | universal joint shaft |
| Speed levels | 2 |
| Axle | PA 1422 |
| Travel speed Standard | 0-20 km/h |
| Travel speed Option 1 | 0-30 km/h |
| Travel speed Option 2 | 0-40 km/h |
| Operating brake | Disc brake (combined with parking brake) |
| Parking brake | Service and parking brake in the drive train acts on all 4 wheels |
| Differential lock | 100 % front axle + rear axle |

■ Hydraulic system

| | |
|--|---------------------|
| Drive hydraulics working pressure (max.) | 455 bar |
| Work hydraulics discharge volume (max.) | 100 (115-150) l/min |
| Work hydraulics working pressure (max.) | 210 bar |

■ Kinematics

| | |
|---------------------|-----------|
| Kinematics type | Z |
| Lifting cylinder | 2 |
| Tipping cylinder | 1 |
| Quick change system | hydraulic |

■ Steering

| | |
|-------------------|---|
| Steering type | hydraulically activated articulated pendulum steering |
| Steering cylinder | 1 |
| Oscillating angle | ±12 degree |

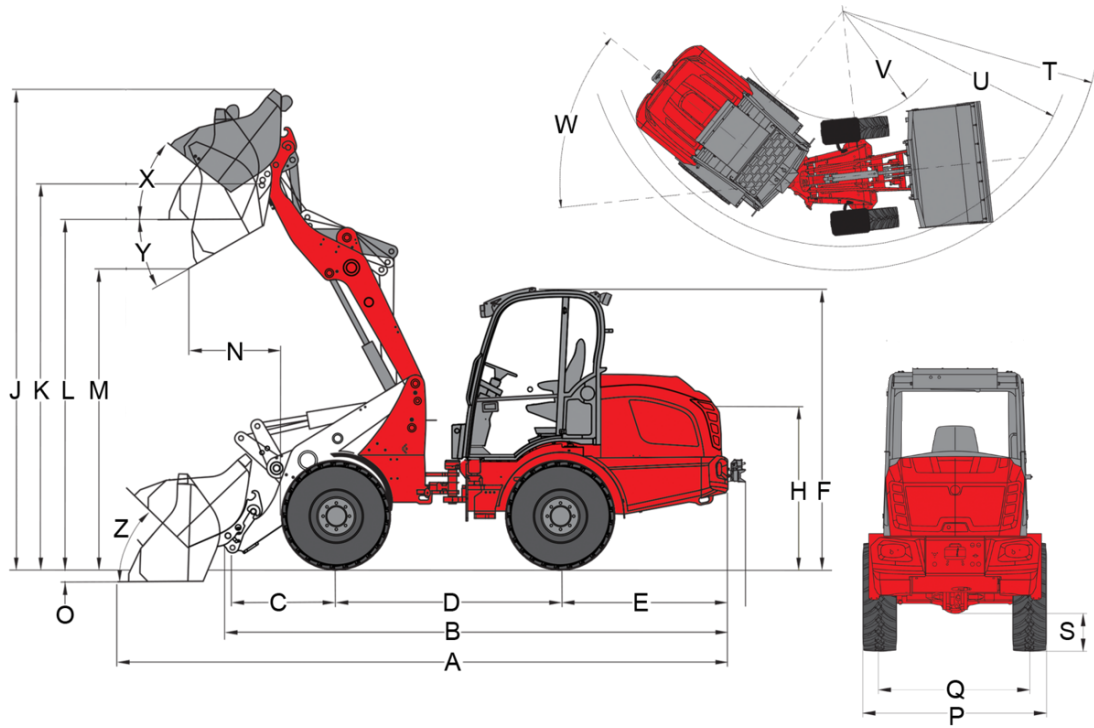
■ Noise characteristic values

| | |
|--|-------------|
| Average sound power level L _{WA} (cabin) | 101.6 dB(A) |
| Guaranteed sound power level L _{WA} (cabin) | 103 dB(A) |
| Specified sound pressure level L _{pA} (cabin) | 74 dB(A) |

■ Standard engine data

| | |
|------------------------|-----------------------|
| Engine manufacturer | Perkins |
| Motor type | 904J-E36TA |
| Cylinder | 4 |
| Drive output | 74.4 kW |
| Drive output | 101.2 PS |
| at max. rpm | 2,200 U/min |
| Cylinder capacity | 3,621 cm ³ |
| Type of coolant | Water |
| Exhaust standard level | V |
| Exhaust aftertreatment | DOC/DPF/SCR |

Dimensions



Z-kinematics (standard)

| | | |
|---|--|----------|
| A | Total length | 5,800 mm |
| B | Total length without bucket | 4,790 mm |
| C | Bucket pivot point (to center of axle) | 990 mm |
| D | Wheel base | 2,150 mm |
| E | Rear overhang | 1,580 mm |
| F | Height with cab | 2,680 mm |
| H | Seat height | 1,560 mm |
| J | Total working height | 4,560 mm |
| K | Bucket pivot point (max. lift height) | 3,670 mm |
| L | Load-over height | 3,330 mm |
| M | Dumping height | 2,860 mm |
| N | Reach (at M) | 870 mm |
| O | Digging depth | 110 mm |
| P | Total width | 1,827 mm |
| Q | Track width | 1,422 mm |
| S | Ground clearance | 361 mm |
| T | Maximum external radius | 4,055 mm |
| U | Radius on the outer edge | 3,683 mm |
| V | Inner radius | 1,702 mm |
| W | Articulation angle | 45 ° |
| X | Rollback angle at max. lift height | 38 ° |
| Y | Dumping angle | 28 ° |
| Z | Rollback angle on ground | 46 ° |

Standard components

Engine

- Perkins 904J-E36TA (74,4 kW / 101,2 PS)

Tires

- 12.5 - 20 BKT MP567 MPT ET0, MPT profile, width 1750 mm

Steering system

- Hydraulic articulated pendulum steering, pendulum angle $\pm 12^\circ$
- Steering cylinder: 1

Drive system & Axles

- Axle: PA1422 planetary axle
- Drive: Hydrostatic all-wheel drive
- Differential lock: 100%, electrically-hydraulically engageable on front and rear axles
- Speed: 20 km/h
- Driving speeds: 2 | 7 km/h / 20 km/h
- Service brake: Hydrostatic drive acting on all 4 wheels (wear-free)
- Parking brake: Central service and parking brake in the drive train acting on all 4 wheels

Hydraulics

- Hydraulically piloted joystick with directional control switch and integrated button for differential lock
- 3rd Front control circuit electrically proportional parallel via joystick, incl. double detent
- Oil volume adjustment via jog dial
- Hydraulic oil cooler

Operator's cab

- Comfort cab with heating and ventilation, laterally tiltable, ROPS / FOPS tested
- Comfort seat with seat belt full suspension, weight, back and longitudinal adjustment
- Generous space
- Ergonomically generous entry
- Adjustable steering wheel (tilt)

Other

- Bucket level indicator
- Self-recovery coupling

Loading system

- Loading system LS935
- Quick-change device (Weidemann) hydraulic
- Kinematics: Z
- Lift cylinder: 2
- Tilt cylinder: 1
- Float position for lift cylinder

EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

Lighting

- LED Basic work lights (1000 lm) on the roof, 2 at the front, 2 at the rear
- Lighting system in accordance with StVZO

Options

Operator's cab

- Storage box with bottle holder (left next to the operator's seat)
- Radio DAB+-ready (aerial, speaker)
- Radio DAB+ complete
- Air-conditioning system (Machine height + 30 mm)
- Front window protective grating
- Cabin outlet 230 V (connection power max. 2000 W), (Only works with connected engine pre-heating on the 230 V grid)

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.

Operator's seat

- Fabric seat; heated seats (MSG 85)
- Fabric seat; air suspension (MSG 95AL/722)
- Fabric seat; air suspension; heated seats (MSG 95AL/732)

Lighting

- LED Performance work lights (2000 lm) on the roof, 2 at the front, 2 at the rear
- Rotating beacon (yellow) (National regulations must be observed!)

StVZO – equipment

- Individual operating permit > 25 km/h
- Individual operating permit > 25 km/h
- Registration plate mounting

Engine

- Manual throttle
- Engine pre-heating (coolant) + hydraulic oil pre-heating 230 V

Drive system & Axles

- 30 km/h (speed increase)
- 40 km/h (speed increase)
- Proportional speed limiter (slow speed device)
- Mudflap front (mounted on the fender)

Tires

- 400/70-20 BKT AS 504 ET0, AS tread, width 1840 mm
- 400/70-20 ET-20 BKT AS 504 ET-50, AS tread, width 1930 mm
- 500/45-20 Alliance 331 ET0, AS profile, width 1920 mm
- 550/45-22.5 Alliance 331 ET0, AS profile, width 1990 mm
- 550/45-22.5 Alliance 331 ET-50, AS profile, width 2080 mm
- 600/40-22.5 BKT TR 678 ET-50, AS profile, width 2080 mm
- 405/70 R 18 EM Alliance 608 ET0, EM tread, width 1815 mm
- 405/70 R 20 EM Alliance 608 ET0, EM tread, width 1829 mm
- 340/80 R 18 ET0 Alliance Multiuse 550, Multiuse tread, width 1770 mm
- 400/70 R 20 ET0 Alliance Multiuse 550, Multiuse tread, width 1830 mm
- 400/70 R 20 ET-60 Alliance Multiuse 550, Multiuse tread, width 1950 mm

Water filling

- Water filling valves without filling (front wheels)
- Water filling valves without filling (rear wheels)
- Water filling valves without filling (front and rear wheels)
- Water filling valves with filling (front wheels)
- Water filling valves with filling (rear wheels)
- Water filling valves with filling (front and rear wheels)

Loading system

- Loading swing arm damping
- Lowering brake valve (hose burst valves for lift and tipping cylinders)

Quick change plates

- Euro (hydraulic - ISO23206 EURO HV)
- SkidSteer (hydraulic)
- SMS HV (hydraulic)
- Kramer (hydraulic)
- Volvo TPV (hydraulic)

Hydraulics in front

- 3rd control circuit flow sharing 100 l/min (loading system can be operated together with 3rd control circuit)
- 3rd control circuit flow sharing 115 l/min (loading system can be operated together with 3rd control circuit)
- 4th control circuit flow sharing 100 l/min (loading system can be operated together with 3rd control circuit)
- 4th control circuit flow sharing 115 l/min (loading system can be operated simultaneously)
- 3rd control circuit electrically proportional serial (loading system can be operated together with 3rd control circuit)
- 4th control circuit additionally electrically proportional parallel (operation: via control wheel on the right of the joystick)
- High flow load sensing - double-acting power hydraulics 150 l/min (machine height +30 mm!)
- Additional hydraulic oil cooler
- Pressureless return at front (incl. leak oil line)

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Hydraulics in rear

- Pressureless return at rear
- 1x double-acting hydraulic connection at rear via changeover valve (two couplings SVK size 3)
- (3rd control circuit at front or rear) (Operation: via switch (0 - 1) in joystick console + 3rd control circuit)
- One rear hydraulic connection (51 l/min) double-acting (two couplings SVK size 3) incl. separate control valve (operation: via switch (1 - 0 - 2) in joystick console)
- Two rear hydraulic connections (51 l/min) double-acting (four couplings SVK Gr.3) incl. separate control valve (operation: 1 DW connection via switch (1 - 0 - 2), 1 DW connection via button (1 - 0 - 2))
- (Connections can be operated simultaneously)

Bio-hydraulic oil

- Shell Panolin S4 HLP Synth46 (biohydraulic oil)

Electrical connections in front

- Front socket 7-pin for lighting front attachments
- Front socket 3-pin for double function (operation: Via 2 buttons on the joystick; 1st Function push-button, 2nd Function latching)
- Front socket 3-pin for double function (operation: Via 2 buttons on the joystick; 1st Function latching, 2nd Function push-button)
- Front socket 3-pin for double function (operation: Via 2 buttons on the joystick; 1st Function push-button, 2nd Function push-button)
- Front socket 3-pin for double function (operation: Via 2 buttons on the joystick; 1st Function latching, 2nd Function latching)

Electrical connections in rear

- Rear 7-pin socket for lighting rear attachments
- Rear 3-pin socket (operation: Via switch (1 - 0 - 2) in joystick console)

Safety options

- Reversing warning device (acoustic)
- Immobilizer ignition key (via coded ignition key)

Other

- Battery disconnect switch 2 circuits (disconnection of the on-board power supply and the generator via 2 switching paths from the battery)
- Hand lever grease press
- Combination bag (warning triangle / first aid kit)
- Set of tools
- Tool box
- Fully automatic central lubrication unit
- cardan shaft protection

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)

Custom-made paint finish

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

Trailer and recovery equipment

- Trailer hitch 38 mm, automatic
- Trailer hitch 38 mm, automatic, height-adjustable
- Trailer hitch ball head K50, height-adjustable
- Trailer hitch Auto-Hitch

Self-propelled work machines with ball hitch

- Trailer hitch 38 mm, automatic