



## 5080 Wheel loaders

### Technical data

#### ■ Electrical system

Operating voltage	12 V
Battery	135 Ah
Alternator	85 A

#### ■ Weights

Operating weight	7,000 kg
Tipping load with bucket – machine straight, loading frame horizontal	4,762 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	3,926 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	4,254 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	3,559 kg

#### ■ Driver's cab

Driver's cab	Cab
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#### ■ 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 1422/2
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	2
Oscillating angle	±12 degree

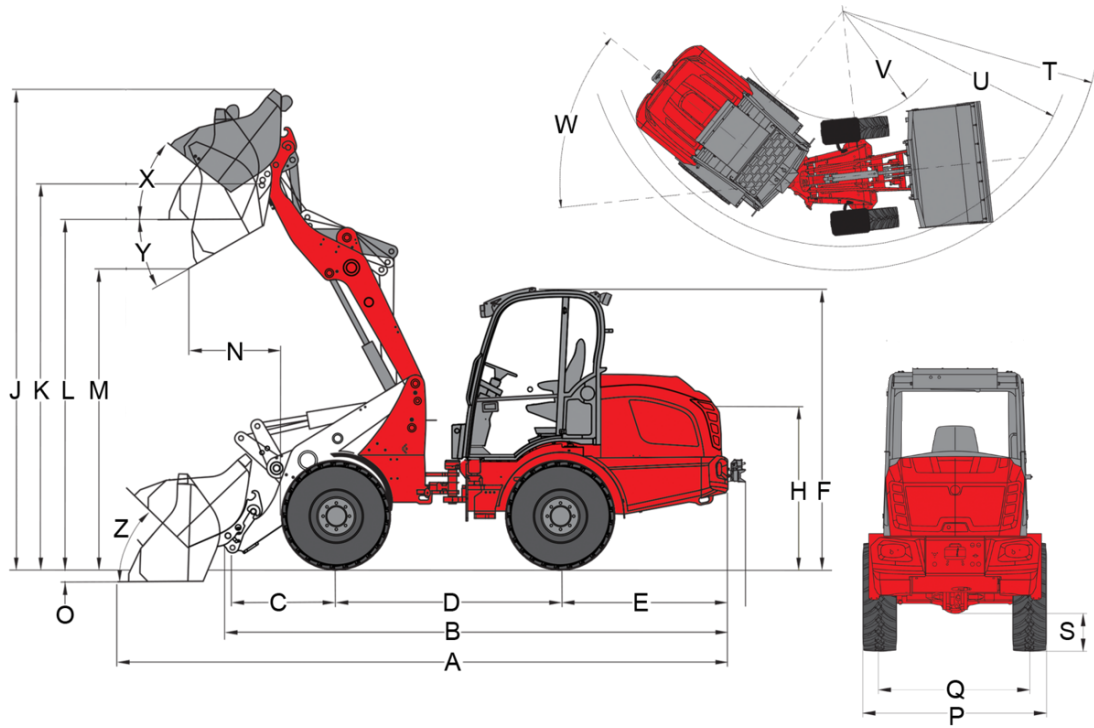
#### ■ Noise characteristic values

Average sound power level L <sub>WA</sub> (cabin)	101.4 dB(A)
Guaranteed sound power level L <sub>WA</sub> (cabin)	103 dB(A)
Specified sound pressure level L <sub>pA</sub> (cabin)	74 dB(A)

#### ■ Standard engine data

Engine manufacturer	Perkins
Motor type	904J-E36TA
Cylinder	4
Drive output	100 kW
Drive output	136 PS
at max. rpm	2,200 U/min
Cylinder capacity	3,621 cm <sup>3</sup>
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	2,690 mm
H	Seat height	1,570 mm
J	Total working height	4,580 mm
K	Bucket pivot point (max. lift height)	3,690 mm
L	Load-over height	3,350 mm
M	Dumping height	2,880 mm
N	Reach (at M)	850 mm
O	Digging depth	100 mm
P	Total width	1,984 mm
Q	Track width	1,449 mm
S	Ground clearance	375 mm
T	Maximum external radius	4,135 mm
U	Radius on the outer edge	3,683 mm
V	Inner radius	1,599 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, 100 kW / 136 hp, stage V

### Tires

- 550/45-22.5 AS ET0, profile AS, width 1990 mm (incl. front water filling)

### Steering system

- Hydraulic articulated pendulum steering, pendulum angle  $\pm 12^\circ$
- Steering cylinder: 2

### Drive system & Axles

- Axle PA1422/2
- Hydrostatic all-wheel drive, driving direction selectable via joystick
- Service brake: Disc brake (combined with parking brake)
- Central service and parking brake in drive train acting on all 4 wheels
- Differential lock 100% electric-hydraulic engageable on front and rear axles

### Hydraulics

- 3rd Front control circuit electrically proportional parallel via joystick, incl. double detent; hydraulic oil cooler
- Float position for lifting cylinder
- Oil quantity adjustment via jog dial
- Pressure relief of hydraulic connections on loading swing arm

### 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
- Adjustable steering wheel (inclination)
- Right armrest
- Hydraulically pre-controlled joystick with direction switch and integrated push button for differential lock
- Worklights 2 front and 2 rear
- Operating hours meter
- Fuel gauge

### Other

- Lighting system according to StVZO
- Bucket level indicator
- Self-recovery coupling

### Loading system

- Weidemann hydraulic

### EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

### Operator's seat

<ul><li>Weidemann hydraulic</li></ul>

### Lighting

<ul><li>EquipCare 36 months (incl. App & Manager)</li></ul>

<ul><li>Self-recovery coupling (Not approved for trailer operation!)</li></ul>

## Options

### Operator's cab

- Front window protective grating
- Storage box with bottle holder (left next to the operator's seat)
- Radio DAB+-ready (aerial, speaker)
- Radio DAB+ complete
- Air-conditioning system (height +25 mm)
- 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 working lights, 2 front 2 rear
- Rotating beacon (yellow), The 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)
- Manual inching (slow speed device)
- Front mud flaps (mounted on the fender)

### Tires

- 400/70-20 AS ET0 AS504, tread AS, width 1840 mm
- 400/70-20 AS ET-50 AS504, tread AS, width 1930 mm
- 500/45-20 AS ET0, tread AS, width 1920 mm
- 550/45-22.5 AS ET-50, tread AS, width 2080 mm
- 600/40-22.5 AS ET-50, tread AS, width 2120 mm
- 405/70 R 18 EM Alliance 608 ET0, tread EM, width 1815 mm
- 405/70 R 20 EM Alliance 608 ET0, tread EM, width 1829 mm
- 340/80 R 18 ET0 Alliance Multiuse 550, tread Multiuse, width 1770 mm
- 400/70 R 20 ET0 Alliance Multiuse 550, tread Multiuse, width 1830 mm
- 400/70 R 20 ET-60 Alliance Multiuse 550, tread Multiuse, width 1950 mm
- 400/70 R 20 ET-50 Michelin Bibload, tread Bibload, width 1944 mm

### Loading system

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

### Quick change plates

- Euro hydraulic
- SkidSteer hydraulic
- SMS hydraulic
- Kramer hydraulic
- Volvo TPV hydraulic

### Hydraulics in front

- Front pressureless return (incl. leakage oil line)
- 3rd Control circuit flow sharing 100 l/min (loading swing arm can be operated together with 3rd Control circuit)
- 3rd Control circuit flow sharing 115 l/min (loading swing arm can be operated together with 3rd Control circuit)
- 4th Control circuit flow sharing 100 l/min (loading swing arm can be operated together with 3rd Control circuit)
- 4th Control circuit flow sharing 115 l/min (loading swing arm can be operated simultaneously)
- High Flow Load-Sensing - power hydraulics double-acting 150 l/min (machine height +30 mm!)
- 3rd Control circuit electrical proportional serial (loading swing arm can be operated together with 3rd Control circuit)
- 4th Control circuit additionally electrically proportional parallel (operation: Via control wheel on right side of joystick)
- Additional hydraulic oil cooler

### Hydraulics in rear

- Pressureless return in rear
- One hydraulic connection rear double-acting via changeover valve (l/min like 3rd Control circuit front), (3rd Control circuit front or rear), (Operation: Via switch (0 - 1) in joystick console + 3rd control circuit)
- One rear hydraulic connection (63 l/min) double-acting (two couplings) incl. separate control valve (Operation: Via switch (1 - 0 - 2) in joystick console)
- Two rear hydraulic connections (63 l/min) double-acting (four couplings) incl. separate control valve (operation: 1 DW connection via switch (1 - 0 - 2), 1 DW connection via pushbutton (1 - 0 - 2)), (connections can be operated simultaneously)

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### **Bio-hydraulic oil**

- Shell PANOLIN S4 HLP Synth 46 (Bio-hydraulic 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 (operation via coded ignition key)
- Lockable DEF tank cap

### **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)
- Tool box
- Set of tools
- Drive shaft protection
- 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)

### **Custom-made paint finish**

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

### **Trailer and recovery equipment**

- Trailer hitch automatic
- Trailer hitch height adjustable, automatic
- Trailer hitch height adjustable, ball head
- Trailer Hitch

### **Self-propelled work machines with ball hitch**

- Trailer hitch automatic