



3080 Wheel loaders

Technical Data

■ Standard engine data

Engine manufacturer	Deutz	drive unit	universal joint shaft
Motor type	TCD 2.9 L4 S5	Speed levels	2
Cylinder	4	Axle	PA 1400 (PA 1422)
Drive output	55.4 kW	Travel speed Standard	0-20 km/h
Drive output	75 PS	Travel speed Option 1	0-30 km/h
at max. rpm	2,300 U/min	Operating brake	Hydrostatic drive system acting on all 4 wheels (wear-free)
Cylinder capacity	2,900 cm ³	Parking brake	Service and parking brake in the drive train acts on all 4 wheels
Type of coolant	Water/charge air	Differential lock	100 % front axle + rear axle
Exhaust standard level	V		
Exhaust aftertreatment	DOC/DPF		

■ Electrical system

Operating voltage	12 V
Battery	100 Ah
Alternator	85 A

■ Weights

Operating weight	5,100 kg
Tipping load with bucket – machine straight, loading frame horizontal	3,213 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	2,714 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	2,715 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,304 kg

■ Driver's cab

Driver's cab	Cab
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■ Filling levels

Tank capacity for fuel	82 l
Tank capacity for hydraulic oil	66 l

■ Drive system

Type of drive	Hydrostatic
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■ Hydraulic system

Drive hydraulics working pressure (max.)	450 bar
Work hydraulics discharge volume (max.)	74 (83-115) l/min
Work hydraulics working pressure (max.)	220 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

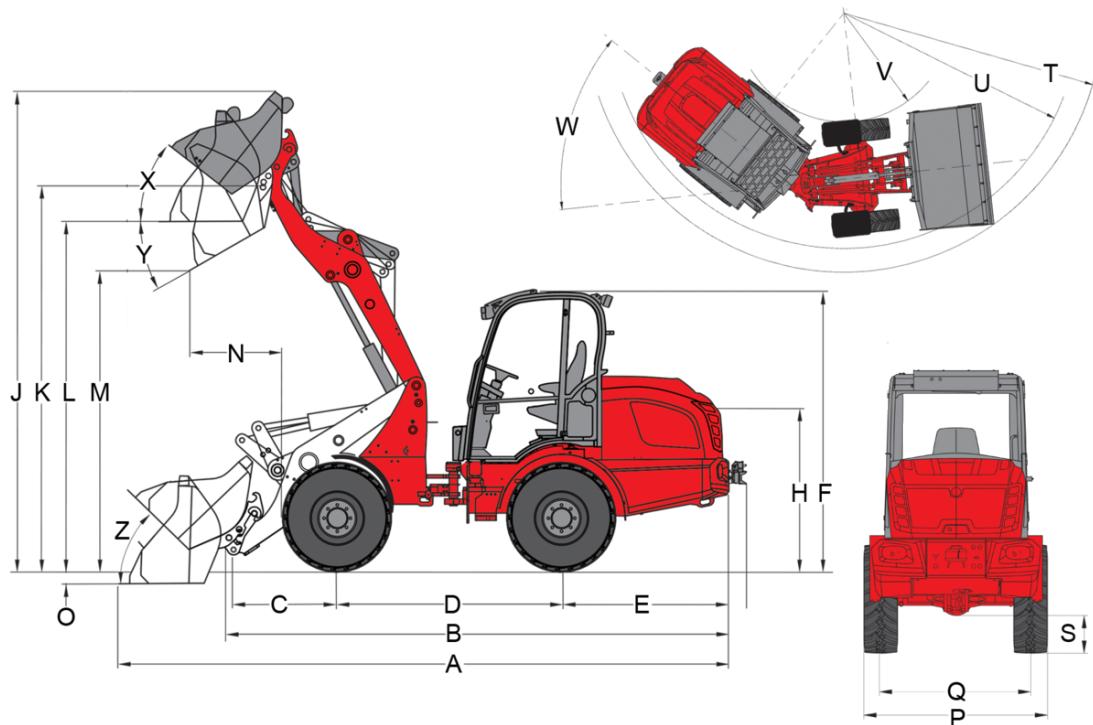
■ Noise characteristic values

Average sound power level LwA (cabin)	99.9 dB(A)
Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	74 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



Z-kinematics (standard)

Standard components	12.5/80 - 18 AS ET75
A Total length	5,460 mm
B Total length without bucket	4,649 mm
C Bucket pivot point (to center of axle)	1,027 mm
D Wheel base	2,005 mm
E Rear overhang	1,531 mm
F Height with operator's canopy (fixed)	
Height with fold-down operator's canopy (EPS)	
Height with fold-down operator's canopy (EPS), folded down	
Height with lowerable operator's canopy (EPS Plus), lowered	
Height with lowerable operator's canopy (EPS Plus)	
Height with lowered operator's canopy	
Height with operator's canopy raised	
Height with cab lowered	2,458 mm
Height with cab raised	2,630 mm
Height with cab	
H Seat height	1,545 mm
J Total working height	4,091 mm
K Bucket pivot point (max. lift height)	3,351 mm
L Load-over height	3,038 mm
M Dumping height	2,541 mm
N Reach (at M)	646 mm
O Digging depth	105 mm
P Total width	1,558 mm
Q Track width	1,250 mm
S Ground clearance	330 mm
T Maximum radius	4,028 mm
U Radius on the outer edge	3,584 mm
V Inner radius	1,818 mm
W Articulation angle	42 °
X Rollback angle at max. lift height	43 °
Y Dumping angle	39 °
Z Rollback angle on ground	49 °

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.

Standard components

Engine

- Deutz TCD 2.9 L4 S5, 55.4 kW/ 75 hp, stage V

Tires

Axle PA1400, 6-hole

- 12.5/80-18 AS ET75, profile AS, width 1580 mm

Axle PA1422, 8-hole

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

Steering system

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

Drive system & Axles

- Axle PA1400
- 20 km/h
- Hydrostatic all-wheel drive, driving direction selectable via joystick
- Service brake: Hydrostatic drive acting on all 4 wheels (wear-free)
- Central service and parking brake in drive train acting on all 4 wheels
- Differential lock 100 %, electric-hydraulic switchable on front and rear axle

Hydraulics

- 3rd Front control circuit electrically proportional parallel via joystick, incl. double detent; hydraulic oil cooler
- Float position for lifting cylinder

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 (MSG 85)
- 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
- Adjustable steering wheel

Other

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

Loading system

- Weidemann hydraulic

EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

Trailer and recovery equipment

- Self-recovery coupling (Not approved for trailer operation!)

Options

Operator's cab

- 2-door, comfort cabin, high
- Storage box with bottle holder (left next to the operator's seat)
- Radio DAB+-ready (aerial, speaker)
- Radio DAB+ complete
- Air-conditioning system
- 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)

Operator's seat

- Fabric seat; heated seats (MSG 85)

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

Lighting

- LED work lights, 2 in front, 2 in 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

- Axle PA1422, hydrostatic high-pressure all-wheel drive, 20 km/h (30 km/h) (transfer case, universal joint shaft, 100% differential lock)
- 30 km/h (Speed increase)
- Hand inching (low-speed control)
- Dirt trap in front (attached to the mud guard)

Tires

Axle PA1400, 6-hole

- 425/55 R 17 AS ET45, tread AS, width 1740 mm
- 400/70-20 AS ET0 AS504, tread AS, width 1820 mm
- 500/45-20 AS ET0, tread AS, width 1900 mm
- 15.5/55 R 18 EM ET60, tread EM, width 1690 mm
- 405/70 R 18 EM Alliance 608 ET0, tread EM, width 1800 mm
- 405/70 R 20 EM Alliance 608 ET0, tread EM, width 1807 mm
- 12.5-18 MPT ET0, tread MPT, width 1730 mm
- 400/70 R 18 ET-15 Michelin Bibload, tread Bibload, width 1852 mm

Axle PA1422, 8-hole

- 400/70-20 AS ET0 AS504, tread AS, width 1840 mm
- 400/70-20 ET-50 AS504, tread AS, width 1930 mm
- 500/45-20 AS ET0, tread AS, width 1920 mm
- 550/45-22.5 AS ET0, tread AS, width 1990 mm
- 550/45-22.5 AS ET-50, tread AS, width 2080 mm
- 15.5/55 R 18 EM ET0, tread EM, width 1780 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
- Dual tires 12.5-18 MPT front, tread MPT, width
- 340/80 R 18 ET0 Alliance Multiuse 550, tread Multiuse, width 1770 mm
- 400/70 R 20 ET0 Alliance Multiuse 550, tread Multiuse, width 1800 mm
- 400/70 R 20 ET-60 Alliance Multiuse 550, tread Multiuse, width 1930 mm
- 400/70 R 20 ET-50 Michelin Bibload, tread Bibload, width 1944 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
- SkidSteer hydraulic
- SMS hydraulic

Hydraulics in front

- Front pressureless return (incl. leakage oil line)

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- Working hydraulics (83 l/min) Large pump 36 cm
- Working hydraulics (103 l/min) Large pump 45 cm
- High flow - power hydraulics single-acting (115 l/min), (incl. pressureless return and additional hydraulic oil cooler)
- 3rd Control circuit electrically proportional serial (loading swing arm can be operated together with 3rd Control circuit)
- 4th Additional control circuit electrically proportional parallel
- Operation: Via control wheel on the right of the 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 (51 l/min) double-acting (two couplings) incl. separate control valve (Operation: Via switch (1 - 0 - 2) in joystick console)
- Two hydraulic connections at the rear (51 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)

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)

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

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)

*The offers regarding the warranty extension in Germany are currently being revised - more information will follow as quickly as possible.

Custom-made paint finish

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

Trailer and recovery equipment

- Trailer hitch automatic

Self-propelled work machines with ball hitch

- Trailer hitch automatic