



3080LP

Wheel loaders

Technical Data

■ Standard engine data

Type of drive	TD 2.9 L4 S5
Exhaust standard level	V
Exhaust after-treatment	DOC/DPF
Cylinders	4
Engine manufacturer	Deutz
Type of coolant	Water
Drive output	45 kW
at max. rpm	2,300 U/min
Displacement	2,900 cm³
Drive output	61 PS

■ Engine data Option 1

Type of drive	TCD 2.9 L4 S5
Exhaust standard level	V
Exhaust after-treatment	DOC/DPF
Cylinders	4
Engine manufacturer	Deutz
Type of coolant	Water/charge air
Drive output	55.4 kW
at max. rpm	2,300 U/min
Displacement	2,900 cm³
Drive output	75 PS

■ Electrical system

Operating voltage	12 V
Battery	100 Ah
Alternator	85 A

■ Weights

Operating weight	4,600 kg
Kipplast mit Schaufel - Maschine gerade, Hubgerüst horizontal	3,043 kg
Kipplast mit Schaufel - Maschine geknickt, Hubgerüst horizontal	2,577 kg

Kipplast mit Palettengabel - Maschine gerade, Hubgerüst horizontal 2,546 kg

Kipplast mit Palettengabel - Maschine geknickt, Hubgerüst horizontal 2,164 kg

■ Driver's cab

Driver's cab	FSD (cabin)
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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
drive unit	universal joint shaft
axle	PA 1400 (PA 1422)
Operating brake	Hydrostatic drive system acting on all 4 wheels (wear-free)
Parking brake	Service and parking brake in the drive train acts on all 4 wheels
Differential lock	100 % front axle + rear axle
Travel speeds increase/reduction	2
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h

■ Hydraulic system

Drive hydraulics working pressure (max.)	450 bar
Work hydraulics discharge volume (max.)	64 (74-115) l/min
Work hydraulics working pressure (max.)	210 bar

■ Kinematics

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

■ Steering

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

■ Noise characteristic values

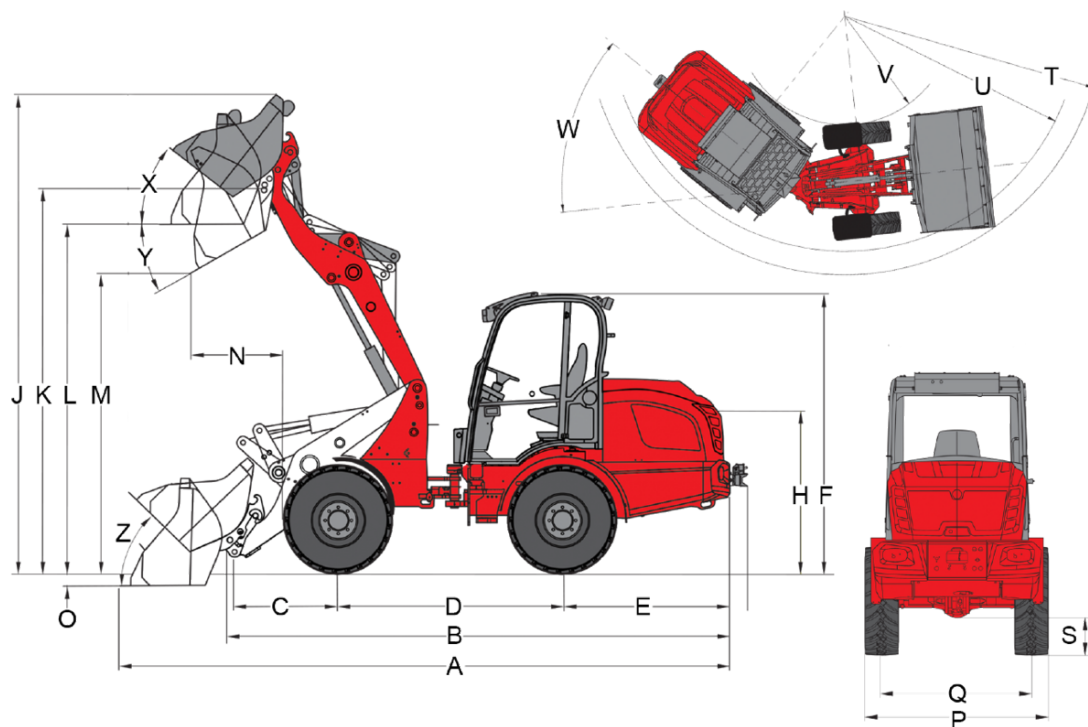
Average sound power level LwA	99.2 dB(A)
Guaranteed sound power level LwA	101 dB(A)

Specified sound pressure level LpA	80 - 85 dB(A)
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■ 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)

		11.5/80 - 15.3 AS ET80
A	Total length	5,542 mm
B	Total length without bucket	4,647 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	2,251 mm
	Height with operator's canopy raised	2,409 mm
	Height with cab lowered	2,246 mm
	Height with cab raised	2,446 mm
	Height with cab	
H	Seat height	1,409 mm
J	Total working height	3,995 mm
K	Bucket pivot point (max. lift height)	3,291 mm
L	Load-over height	3,019 mm
M	Dumping height	2,413 mm
N	Reach (at M)	755 mm
O	Digging depth	62 mm
P	Total width	1,530 mm
Q	Track width	1,240 mm
S	Ground clearance	296 mm
T	Maximum radius	4,275 mm
U	Radius on the outer edge	3,587 mm
V	Inner radius	1,833 mm
W	Articulation angle	42 °
X	Rollback angle at max. lift height	43 °
Y	Dumping angle	39 °
Z	Rollback angle on ground	42 °

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.

Engine

- Deutz TD 2.9 L4 S5, 45 kW / 61 hp, stage V

Tires

Axle PA1400, 6-hole

- 11.5/80-15 AS ET80, profile AS, width 1530 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 control circuit in front, DN12
- Hydraulic oil cooler
- Floating position for lift and tipping cylinders
- Lock for steering valve

Operator's cab

- Overhead guard with front and rear window ROPS / FOPS tested
- Comfort seat with seat belt full suspension, weight, back and longitudinal adjustment
- Joystick with direction switch and integrated button for differential lock
- Worklights 2 front and 2 rear
- Operating hours meter
- Fuel gauge
- Adjustable steering column

Quick change plates

- Weidemann hydraulic

EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

Trailer and recovery equipment

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

Operator's cab

- Overhead guard low (working lights: 2 front and 2 rear)
- Overhead guard high (working lights: 2 front and 2 rear)
- Cab low 2-door, incl. heating and ventilation (working lights: 2 front and 2 rear)
- Cab high 2-door, incl. heating and ventilation (working lights: 2 front and 2 rear)
- Cab high 1-door, incl. heating and ventilation (working lights: 2 front and 2 rear)
- Radio preparation FM (antenna, loudspeaker)
- Radio preparation DAB+ (antenna, loudspeaker)
- Radio DAB+ complete
- Air conditioning system

Operator's seat

Overhead guard / cab low

- Leatherette seat (standard with overhead guard), (MSG 20)
- Leatherette seat; air suspension (MSG 75)
- Leatherette seat; air suspension; heated seats (MSG 75)
- Fabric seat (standard in cab), (MSG 20)
- Fabric seat; air suspension (MSG 75)
- Fabric seat; air suspension; heated seats (MSG 75)

Overhead guard / cab high

- Leatherette seat (standard with overhead guard), (MSG 83)
- Leatherette seat; air suspension (MSG 93)
- Leatherette seat; air suspension; heated seats (MSG 93)
- Fabric seat (standard in cab), (MSG 83)
- Fabric seat; air suspension (MSG 93)
- Fabric seat; air suspension; heated seats (MSG 93)

Lighting

- Lighting according to StVZO
- LED working lights, 2 front 2 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

- Deutz TCD 2.9 L4 S5, 55.4 kW/ 75 hp, stage V
- Hand throttle
- Engine preheating (cooling water) + hydraulic oil preheating 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

- 12.5/80-18 AS ET75, profile AS, width 1580 mm
- 425/55 R 17 AS ET45, profile AS, width 1740 mm
- 400/70-20 AS ET0 AS504, profile AS, width 1820 mm
- 500/45-20 AS ET0, profile AS, width 1900 mm
- 15.5/55 R 18 EM ET60, profile EM, width 1690 mm
- 405/70 R 18 EM Alliance 608 ET0, profile EM, width 1820 mm
- 405/70 R 20 EM Alliance 608 ET0, profile EM, width 1807 mm
- 12.5-18 MPT ET0, profile MPT, width 1730 mm

Axle PA1422, 8-hole

- 400/70-20 AS ET0 AS504, profile AS, width 1840 mm
- 400/70-20 ET-50 AS504, profile AS, width 1930 mm
- 500/45-20 AS ET0, profile AS, width 1920 mm
- 550/45-22.5 AS ET0, profile AS, width 1990 mm
- 550/45-22.5 AS ET-50, profile AS, width 2080 mm
- 15.5/55 R 18 EM ET0, profile EM, width 1780 mm

- 405/70 R 18 EM Alliance 608 ET0, profile EM, width 1815 mm
- 405/70 R 20 EM Alliance 608 ET0, profile EM, width 1829 mm
- Twin tires 12.5-18 MPT front, profile MPT, width
- 340/80 R 18 ET0 Alliance Multiuse 550, profile Multiuse, width 1770 mm
- 400/70 R 20 ET0 Alliance Multiuse 550, profile Multiuse, width 1800 mm
- 400/70 R 20 ET-60 Alliance Multiuse 550, profile Multiuse, width 1930 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)
- Working hydraulics (74 l/min) Large pump
- Working hydraulics (103 l/min) Large pump
- High Flow - Power hydraulics single-acting (115 l/min), (incl. pressureless return and additional hydraulic oil cooler), (Operation: Via switch (0 - 1) in the joystick console)
- 3rd Control circuit proportional incl. double detent via switch (operation: Via control wheel at the front of the joystick)
- 4th Control circuit additionally via 4-way valve (operation: Via control wheel on top right of joystick)
- Single detent for control lever
- Additional hydraulic oil cooler
- Quick coupling Faster 4-fold - machine side
- Quick coupling Faster 4-fold - attachment side

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 rear hydraulic connections (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

- Panolin HLP Synt46 (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
- Pressureless return, front (incl. leakage oil line)

Additional weight

- Ballast weight base plate (260 kg)

Safety options

- Reversing alarm (acoustic)

Other

- Hand lever grease gun
- Combi case (warning triangle / first aid kit)
- Tool box
- Tool kit
- Central lubrication system fully automatic

Warranty extension

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

Self-propelled work machines with ball hitch

- Trailer hitch automatic