



## 3080T

### Telescopic wheel loaders

#### Technical Data

##### ■ Standard engine data

Engine manufacturer	Deutz
Motor type	TCD 2.9 L4 S5
Cylinder	4
Drive output	55.4 kW
Drive output	75 PS
at max. rpm	2,300 U/min
Cylinder capacity	2,900 cm <sup>3</sup>
Type of coolant	Water/charge air
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF

##### ■ Electrical system

Operating voltage	12 V
Battery	100 Ah
Alternator	85 A

##### ■ Weights

Operating weight	5,400 kg
Tipping load with bucket – machine straight, loading frame horizontal	2,815 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	2,411 kg
Tipping load with bucket – machine straight (extended)	1,554 kg
Tipping load with bucket – machine pivoted (extended)	1,300 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	2,570 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,207 kg
Tipping load with pallet fork – machine straight (extended)	1,509 kg
Tipping load with pallet fork – machine pivoted (extended)	1,262 kg

##### ■ Driver's cab

Driver's cab	Cab
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##### ■ Filling levels

Tank capacity for fuel	82 l
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Tank capacity for hydraulic oil	66 l
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##### ■ Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	PA 1400 (PA 1422)
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
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

##### ■ Hydraulic system

Drive hydraulics working pressure (max.)	450 bar
Work hydraulics discharge volume (max.)	74 (83-103) l/min
Work hydraulics working pressure (max.)	235 bar

##### ■ Kinematics

Lifting cylinder	1
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 <sub>wA</sub> (cabin)	99.9 dB(A)
Guaranteed sound power level L <sub>wA</sub> (cabin)	101 dB(A)
Specified sound pressure level L <sub>pA</sub> (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 according to ISO 14397

## Dimensions



	Telescopic arm (Z-kinematics) / axle PA1400	Telescopic arm (Z-kinematics) / axle PA1422
	Standard components	12.5/80 - 18 AS ET75
		12.5-20 MPT ET0
<b>A</b>	Total length	5,978 mm
<b>B</b>	Total length without bucket	5,172 mm
<b>C</b>	Bucket pivot point (to center of axle)	1,247 mm
<b>D</b>	Wheel base	2,189 mm
<b>E</b>	Rear overhang	1,531 mm
<b>F</b>	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	
<b>H</b>	Seat height	1,545 mm
<b>J</b>	Total working height	5,839 mm
<b>K</b>	Bucket pivot point (max. lift height)	5,019 mm
<b>L1</b>	Load-over height telescopic arm retracted	
<b>L</b>	Load-over height telescopic arm extended	4,694 mm
	Load-over height	
<b>M1</b>	Dumping height telescopic arm retracted	
<b>M</b>	Dumping height	
	Dumping height telescopic arm extended	4,171 mm
		4,198 mm
<b>N</b>	Reach (at M)	705 mm
		678 mm
<b>O</b>	Digging depth	83 mm
		110 mm
<b>P</b>	Total width	1,558 mm
		1,747 mm
<b>Q</b>	Track width	1,250 mm
		1,422 mm
<b>S</b>	Ground clearance	330 mm
		364 mm
<b>T</b>	Maximum radius	4,321 mm
		4,321 mm
<b>U</b>	Radius on the outer edge	3,839 mm
		3,839 mm
<b>V</b>	Inner radius	2,052 mm
		1,957 mm
<b>W</b>	Articulation angle	42 °
		42 °
<b>X</b>	Rollback angle at max. lift height	40 °
		40 °
<b>Y</b>	Dumping angle	36 °
		36 °
<b>Z</b>	Rollback angle on ground	36 °
		36 °

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## 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 proportional via joystick, incl. double detent
- Hydraulic oil cooler
- Pressureless return in front
- Float position for lifting cylinder
- Discharge dampening in telescopic cylinder (both sides)

### 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
- Hydraulically pilot-controlled joystick with direction switch and integrated pushbutton for differential lock and proportional telescopic function
- Worklights 2 front and 2 rear
- Operating hours meter
- Fuel gauge
- Adjustable steering wheel

### Other

- Lighting system according to StVZO
- Front socket 3-pin for double function (1st Function push-button, 2nd Function latching)

### Loading system

- Lowering brake valve (pipe breakage protection lifting and tipping cylinder)

### Operator's seat

- Weidemann hydraulic

### EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

### Trailer and recovery equipment

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

### Lighting

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

## Options

### Operator's cab

- 2-door, comfort cabin, high
- Storage box with bottle holder (left next to the operator's seat)

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- 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)
- 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), PTO gear, driveshaft, differential lock 100%
- 30 km/h (speed increase)
- Manual inching (slow speed device)
- Front mudflap (mounted on the fender)

#### **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 1820 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 AS 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 1820 mm
- 405/70 R 20 EM Alliance 608 ET0, tread EM, width 1829 mm
- Dual tires 12.5-18 MPT front, tread MPT
- 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

#### **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**

- Load swing damping

#### **Quick change plates**

- Euro hydraulic

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- Kramer hydraulic
- Volvo TPV hydraulic
- SMS hydraulic

#### Hydraulics in front

- Working hydraulics (83 l/min) Large pump
- Working hydraulics (103 l/min) Large pump
- Changeover valve at the front of the 3rd Control circuit (3rd Control circuit with 4 connections), (operation: Selection via switch (0 - 1))
- Quick coupling Faster 4-fold - machine side
- Quick coupling Faster 4-fold - attachment side
- 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) 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 push button (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 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