

# 4080T Basic Line

## Telescopic wheel loader



**WEIDEMANN**  
*designed for work*



### 4080T Basic Line Technical specifications

#### Engine data Standard

Manufacturer	Deutz
Engine type	TCD 2.9 L4 S5
Cylinders	4
Engine performance	55.4 ( 75 ) kW (hp)
at rpm (max.)	2300 rpm
Cubic capacity	2900 cm <sup>3</sup>
Cooling system	Water / charge air
Emissions standard level	V
Exhaust after treatment	DPF/DOC

#### Electrical system

Operating voltage	12 V
Alternator	95 A
<b>Weights</b>	
Operating weight (standard)	6100 kg
Tipping load with bucket - machine straight	3363 (1913*) kg
Tipping load with bucket - machine articulated	2872 (1604*) kg
Tipping load with pallet fork - machine straight	3055 (1838*) kg
Tipping load with pallet fork - machine articulated	2617 (1550*) kg
<b>Vehicle data</b>	
Axle	PA1422
Cab	Cab
Ground speed (optional)	0- 20 (30) km/h
Speed stages	2
Fuel tank capacity	82 l
Hydraulic oil tank capacity	66 l
<b>Hydraulic system</b>	
External services - Operating pressure	450 bar
Steering hydraulics - Oil flow (optional)	103 l/min
<b>Drive</b>	
Type of drive	Hydrostatic
Traction drive	Universal joint shaft
<b>Noise values</b>	
Guaranteed sound power level LwA	101 dB(A)

\*Tipping load values when extended

Tipping load calculation according to ISO 14397 (horizontal mast)

DPF (diesel particulate filter)

DOC (diesel oxidation catalytic converter)

SCR = Selective Catalytic Reduction

Vibrations (weighted average effective value)

**Hand-arm vibrations:** The hand-arm vibrations are no more than 2.5 m/s<sup>2</sup>

**Whole-body vibrations:** This machine is equipped with an operator's seat that meets the requirements of EN ISO 7096:2000.

When the loader is used in accordance with the intended purpose, the whole body vibrations vary from below 0.5 m/s<sup>2</sup> up to a short-term maximum value.

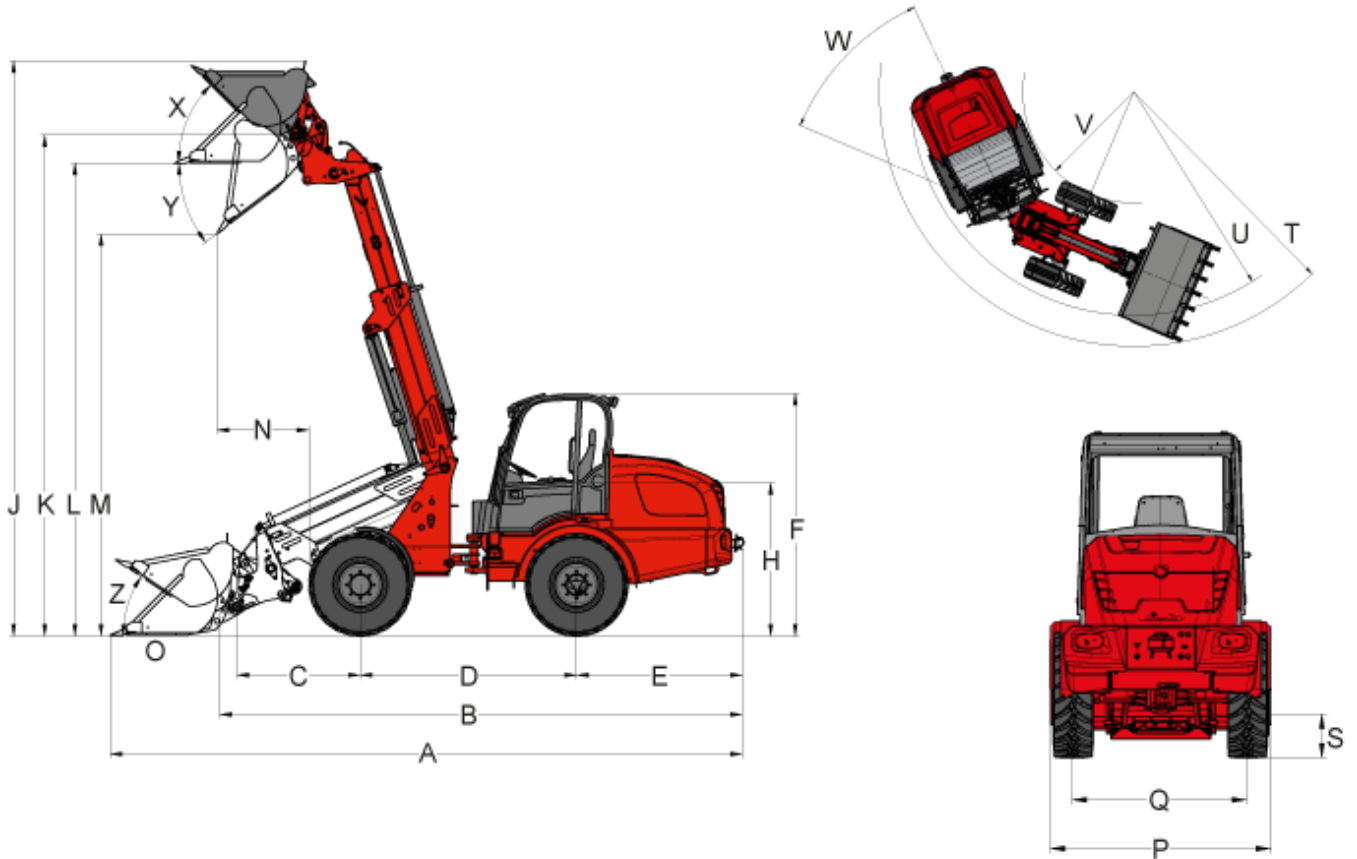
It is recommended to use the values specified in the table when calculating the vibration values according to ISO/TR 25398:2006. At the same time the actual use conditions have to be taken into consideration.

Telehandlers, like wheel loaders, are to be classified by operating weight.

Type of loader	Typical operating conditions	Mean value			Standard deviation (s)		
		$1,4 \cdot a_{w,eqx}$ [m/s <sup>2</sup> ]	$1,4 \cdot a_{w,eqy}$ [m/s <sup>2</sup> ]	$a_{w,eqz}$ [m/s <sup>2</sup> ]	$1,4 \cdot s_x$ [m/s <sup>2</sup> ]	$1,4 \cdot s_y$ [m/s <sup>2</sup> ]	$s_z$ [m/s <sup>2</sup> ]
Compact wheel loader (Operating weight < 4500kg)	Load & carry (loading and transport work)	0.94	0.86	0.65	0.27	0.29	0.13
Wheel loader (Operating weight > 4500kg)	Load & carry (loading and transport work)	0.84	0.81	0.52	0.23	0.2	0.14
	Application in extraction (harsh application conditions)	1.27	0.97	0.81	0.47	0.31	0.47
	Delivery drive	0.76	0.91	0.49	0.33	0.35	0.17
	V-operation	0.99	0.84	0.54	0.29	0.32	0.14

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Telescopic wheel loader

4080T Basic Line Dimensions



A	Total length	5,929 mm
B	Total length (without bucket)	5,180 mm
C	Axle middle to bucket pivot pin	1394 mm
D	Wheelbase	2,189 mm
E	Rear overhang	1,531 mm
F	Height to top of cabin - high-profile	2,660 mm
H	Seat top height	1,590 mm
J	Total working height	5,815 mm
K	Height of bucket pivot (max.)	5,076 mm
L	Load-over height	4,651 mm
M	Dumping height	4,226 mm
O	Digging depth	126 mm
P	Total width	1,742 mm
Q	Track width	1,432 mm
S	Ground clearance	352 mm
T	Maximum radius external	4,275 mm
U	Radius at the outer edge	3,840 mm

V	Inside turning radius	1,848 mm
W	Inclination angle	42 °
X	Rollback angle at max. lifting height	45 °
Y	Dumping angle (max.)	30 °
Z	Rollback angle (on the ground)	36 °

## 4080T Basic Line

Telescopic wheel loader

### 4080T Basic Line Standard components

#### Engine

- Deutz TCD 2.9 L4 S5, 55.4 kW / 75 hp, exhaust gas standard Stage V (DPF + DOC)

#### Outfitting

- PA1422 planetary axle
- Tyres 12.5-20 EM ET0
- Hydraulic rapid-change system for attachments

#### Steering System

- Hydraulic articulated pendulum steering, 12° oscillating angle

#### Drive System

- Hydrostatic 4 wheel drive, travel direction can be selected via joystick
- Service brake: Hydrostatic drive system acting on all 4 wheels (wear-free)
- Central service and parking brake in the drive train acting on all 4 wheels
- 100 % differential lock, electric-hydraulically connectable on front and rear axle

#### Hydraulics

- 3rd control circuit in front electrically proportional in parallel via joystick, including double notch
- Hydraulic oil cooler
- Unpressurised front return line
- Floating position for lift cylinder

#### Cab

- Comfort cab with heater and ventilation, laterally tiltable, ROPS / FOPS tested
- Comfort seat with safety belt, fully suspended, weight, back and horizontal adjustment
- Hydraulic pilot operated joystick with motion direction switch and integrated touch button for differential lock and proportional telescoping function
- Working lights, 2 front and 2 rear
- Operating hour meter
- Fuel display
- Adjustable steering wheel

#### Miscellaneous

- Lighting equipment according to Road Traffic Regulations
- Plug receptacle in front, 3-pin for dual function (For 1st function press only, for 2nd function press and lock)
- Lowering brake valve (hose burst valve for lift and tipping cylinders)
- Self-recovery coupling

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### 4080T Basic Line Options

#### **Operator's cab**

- Storage box with bottle holder (left next to the operator's seat)
- Radio-ready (antenna, speaker)
- Complete radio kit
- Air-conditioning system
- Protective grating for front window
- Cab plug receptacle 230 V (connection line max. 2000 W), Function is active only when the engine pre-heater is connected to the 230V grid

#### **Operator Seat**

- Seat fabric; heated seat (MSG 85)
- Seat fabric; air cushioned (MSG 95AL/722)
- Seat fabric; air cushioned; heated seat (MSG 95AL/732)

#### **Lighting**

- MEGA work lights, 2 front, 2 rear
- LED work lights, 2 front, 2 rear
- Rotating beacon (yellow), (must comply with national specifications!)

#### **StVZO - Equipment**

- Individual operating permit < 25 km/h
- Individual operating permit > 25 km/h
- Number plate bracket

#### **Engine**

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

#### **Drive / Axles**

- 30 km/h (speed increase)
- Hand inching (creep speed controller)
- Mud flaps, front (attached to the mud guard)

#### **Loader Unit**

- Load arm damping

#### **Quickhitch plates**

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

#### **Front Hydraulics**

- Reversing valve in front on 3rd control circuit (3rd control circuit with 4 connections)

- Quick-connect couplings (Faster) 4-way - equipment side
- Quick coupler (Faster) 4-way - attachment side
- Additional hydraulic oil cooler

### **Rear Hydraulics**

- Unpressurised rear return line
- A hydraulic connection in rear is dual-acting via reversing valve (l/min like 3rd front control circuit), (3rd control circuit front or rear)
- A rear hydraulic connection (51 l/min) dual acting (two couplings), including separate control valve, operation Via switch (1 - 0 - 2) in joystick console
- Two rear hydraulic connections (51 l/min) double-acting (four couplings) including separate control valve operation: 1 DW connection through the switch (1 - 0 - 2), 1 DW connection through the button (1 - 0 - 2), (These connections can be operated at the same time)

### **Bio-hydraulic oil**

- Panolin HLP Synt46 (bio-hydraulic fluid (oil))

### **Electrical connections in front**

- Outlet in front, 3-pole for dual function (operation: Via 2 touch buttons on joystick; 1st function momentary, 2nd function latching)
- Outlet in front, 3-pole for dual function (operation: Via 2 touch buttons on joystick; 1st function latching, 2nd function momentary)
- Outlet in front, 3-pole for dual function (operation: Via 2 touch buttons on joystick; 1st function momentary, 2nd function momentary)
- Outlet in front, 3-pole for dual function (operation: Via 2 touch buttons on joystick; 1st function latching, 2nd function latching)

### **Electrical connections in rear**

- Socket at rear, 7-pole for lighting rear attachments
- Triple-pole plug receptacle in rear (operation: Via switch (1 - 0 - 2) in joystick console)

### **Additional Weight**

- Ballast weight floor plate (118 kg)

### **Safety options**

- Reversing warning (audible)
- Drive interlock (operation via coded ignition switch key)

### **Miscellaneous**

- Circuit breaker for 2 circuits (disconnecting on-board voltage supply and alternator from the battery via 2 circuits)
- Hand lever grease gun
- Combination bag (warning triangle / first aid kit)
- Set of tools
- Tool box
- Fully automatic central lubrication unit

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

- Single colour RAL custom paint finish - instead of Weidemann red
- Multicolour RAL custom paint finish

### **Coupling and retrieval devices**



- Automatic trailer coupling

### **Self-propelled work machine with trailer coupling**

- Automatic trailer coupling

Please note: that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.  
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