4080LP
Wheel loader

Technical specifications

Engine data	
Manufacturer	Deutz
Engine type	TCD 2.9 L4
Cylinders	4
Engine performance (max.)	55.4 (75) kW (hp)
at rpm (max.)	2300 rpm
Cubic capacity	2900 cm^3
Cooling system	Water/ charge air
Electrical system	
Operating voltage	12 V

Battery	95 Ah
Alternator	95 A
Weights	
Operating weight (standard)	5800 kg
Lift force (max.)	5.954 daN
Tipping load with bucket - machine straight	3270 kg
Tipping load with pallet fork - machine straight	3035 kg
Vehicle data	
Axle	PA 1422
Cab	FSD (cabin)
Ground speed	0–20 (30) km/h
Speed stages	2
Fuel tank capacity	82 l
Hydraulic oil tank capacity	66 l
Hydraulic system	
External services - Operating pressure	445 bar
Steering hydraulics - Oil flow	64 (73-115) l/min
Steering hydraulics - Operating pressure	210 bar
Drive	
Type of drive	Hydrostatic
Traction drive	Universal joint shaft
Noise values	
Guaranteed sound power level LwA	101 dB(A)

Tipping load calculation according to ISO 14397

FSD = overhead guard

Vibrations (weighted average effective value)

Hand-arm vibrations (HAV): The hand-arm vibrations are no more than 2.5 m/s^2
Whole body vibrations: This machine is equipped with a driver's seat that meets the requirements of EN ISO 7096:2000.

When

the loader is in accordance with the intended purpose, the whole body

vibrations vary from below 0.5 m/s^2 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.

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

Type of loader	Typical operating conditions	Average value			Standard deviation (s)		
		$1.4*a_{w,eqx}$ [m/s^2]	$1.4*a_{w,eqy}$ [m/s^2]	$a_{w,eqz}$ [m/s^2]	$1.4*s_x$ [m/s^2]	$1.4*s_y$ [m/s^2]	s_z [m/s^2]
Compact wheel loader (operating weight < 4,500 kg)	Load & carry (load and transport work)	0.94	0.86	0.65	0.27	0.29	0.13
Wheel loader (operating weight > 4,500 kg)	Load & carry (load 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
	Transfer 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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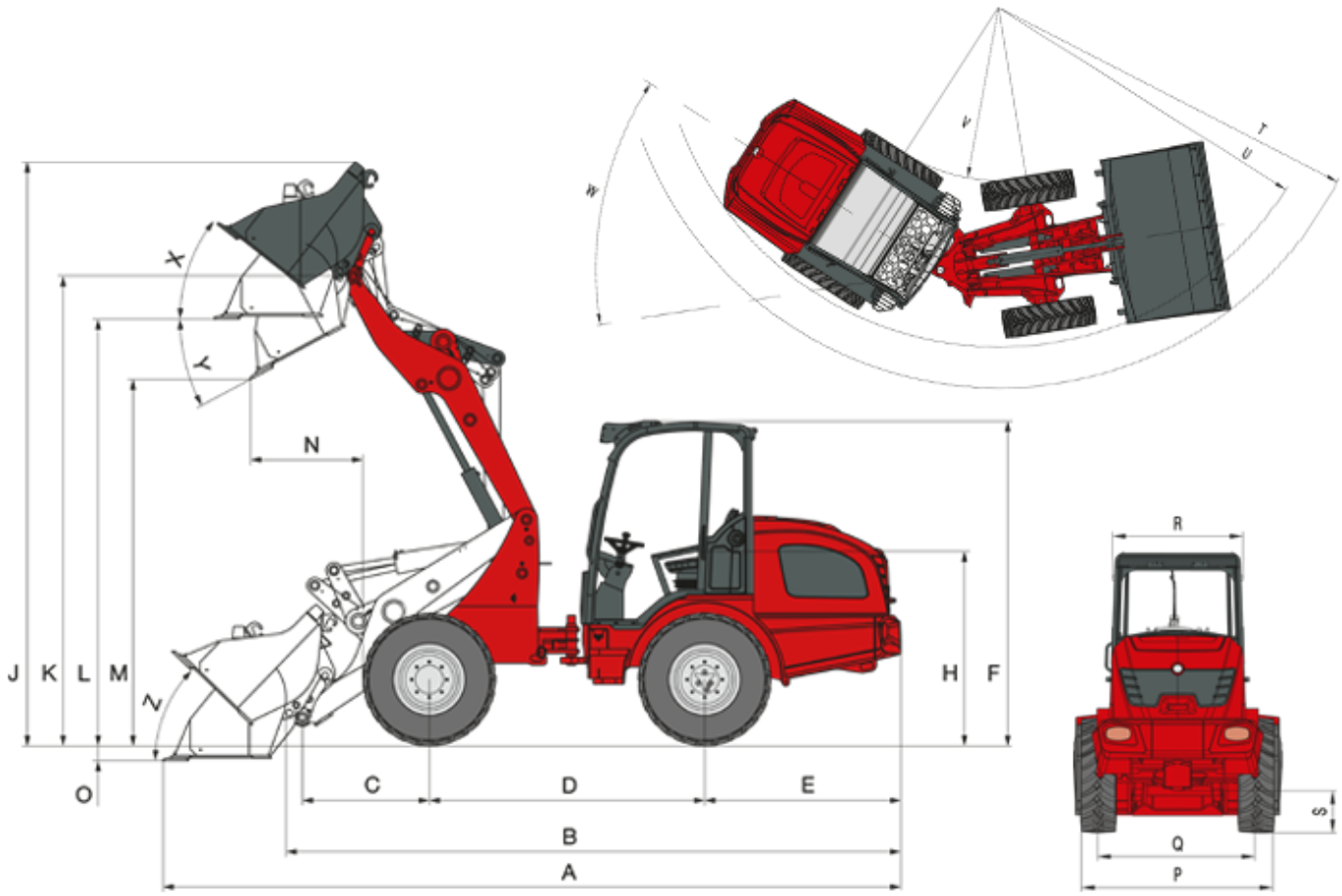
Dimensions



A	Total length	5.760 mm
B	Total length (without bucket)	4.828 mm
C	Axle middle to bucket pivot pin	991 mm
D	Wheelbase	2.150 mm
E	Rear overhang	1.531 mm
F	Height to top of overhead guard - high-profile	2.495 mm
	Height to top of cabin	2.532 mm

H	Seat top height	1.495 mm
J	Total working height	4.561 mm
K	Height of bucket pivot (max.)	3.671 mm
L	Load-over height	3.335 mm
M	Dumping height	2.864 mm
N	Operating distance for M	875 mm
O	Digging depth	114 mm
P	Total width	1.742 mm
Q	Track width	1.432 mm
S	Ground clearance	352 mm
T	Maximum radius external	4.242 mm
U	Radius at the outer edge	3.785 mm
V	Inside turning radius	1.931 mm
W	Inclination angle	42 °
X	Rollback angle at max. lifting height	44 °
Y	Dumping angle (max.) (max.)	28 °
Z	Rollback angle (on the ground)	38 °

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Standard components

Motor

- Deutz TCD 2.9 L4 (55.4 kW/75 hp)

Drive system

- Planetary axle PA1422
- Hydrostatic all-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
- Tyres 12.5–20 MPT ET0

Steering system

- Hydraulic articulated pendulum steering, 12° oscillating angle

Hydraulics

- 3rd control circuit front DN12
- Hydraulic oil cooler
- Floating position for lift and tilting cylinders
- Lock for steering valve

Driver's cabin

- "Tall" overhead guard (height 2,495 mm) with front and rear window, roll-over protective structure/FOPS tested
- Comfort seat with safety belt, fully suspended, weight, back and horizontal adjustment
- Joystick with direction control switch and integrated touch button for differential lock
- Adjustable steering column

Kinematics

- Z-kinematics

Other

- Working lights (2 front, 2 rear)
- Operating hour meter
- Battery isolator switch
- Fuel display
- Hydraulic quick-change system for attachments

4080LP
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Options

Motor

- Deutz TCD 2.9 L4 (55.4 kW/75 hp) with diesel particulate filter
- Engine pre-heater/hydraulic oil pre-heater

Driver's cabin

- "Tall" 2-door cabin, including heating and ventilation (height 2,532 mm)
- "Tall" 1-door cabin, including heating and ventilation (height 2,532 mm)
- Air-cushioned comfort seat (fabric/artificial leather)
- Heated seat
- Radio
- Air-conditioning system

Lighting

- Lighting according to Road Traffic Regulations
- Rotating beacon
- MEGA working lights (2 front, 2 rear)
- LED working lights (2 front, 2 rear)

Drive system

- Speed increase to 30 km/h
- Hand inching

Hydraulics

- Unpressurised reverse travel (front)
- Work hydraulics of large pump (73–103 l/min)
- High flow single-acting performance hydraulics (115 l/min), including unpressurised reverse travel and additional hydraulic oil cooler
- 3rd control circuit proportional, including double notch via switch
- 4th control circuit additionally via 4-way valve
- Notch for joystick (single)
- Rear unpressurised return line
- Hydro connection in rear is dual-acting via reversing valve (l/min like 3rd control circuit in front)
- Dual-acting hydraulic connection in rear (51 l/min) (two couplings), including separate steering valve
- 2x hydraulic connection in rear (51 l/min) dual acting (four couplings), including separate steering valve

Electrical connections

- Front plug receptacle, 7-pole for lighting front attachments
- Plug receptacle in front, 3-pin (dual function)
- Plug receptacle for rear attachments, 7-pin

- Triple-pole rear plug receptacle

Other

- Reversing warning system
- Ballast weight (floor plate 118 kg)
- Load-lowering valve
- Combination case with warning triangle and first-aid kit
- Tool box
- Technical Inspection Authority expert’s report
- Fully automatic central lubrication unit
- Custommade paint finish
- Hand lever grease gun
- Load vibration dampening
- Self-recovery 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.