



## 5080T

### Telescopic wheel loaders

#### Technical Data

##### ■ Standard engine data

Engine manufacturer	Perkins
Motor type	904J-E36TA
Cylinder	4
Drive output	100 kW
Drive output	134.1 HP
at max. rpm	2,200 rpm
Cylinder capacity	220.97 in <sup>3</sup>
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF/SCR

##### ■ Electrical system

Operating voltage	12 V
Battery	135 Ah
Alternator	85 A

##### ■ Weights

Operating weight	15,873 lb
Tipping load with bucket – machine straight, loading frame horizontal	9,623 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	8,067 lb
Tipping load with bucket – machine straight (extended)	5,646 lb
Tipping load with bucket – machine pivoted (extended)	4,702 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	9,046 lb
Tipping load with pallet fork – machine pivoted, loading frame horizontal	7,602 lb
Tipping load with pallet fork – machine straight (extended)	5,644 lb
Tipping load with pallet fork – machine pivoted (extended)	4,691 lb

##### ■ Driver's cab

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

Tank capacity for fuel	27.74 US gal
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Tank capacity for hydraulic oil 25.10 US gal

Tank capacity for urea solution 5.02 US gal

##### ■ Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	PA 1422/2
Travel speed Standard	0-12,43 mph
Travel speed Option 1	0-18,64 mph
Travel speed Option 2	0-24,85 mph
Operating brake	Disc brake (combined with parking brake)
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.)	6599 psi
Work hydraulics discharge volume (max.)	26,42 (30,38-39,63) gpm
Work hydraulics working pressure (max.)	3408 psi

##### ■ Kinematics

Lifting cylinder	1
Tipping cylinder	1
Quick change system	hydraulic

##### ■ Steering

Steering type	Hydraulically activated articulated pendulum steering
Steering cylinder	2
Oscillating angle	±12 degree

##### ■ Noise characteristic values

Average sound power level LwA (cabin)	101.4 dB(A)
Guaranteed sound power level LwA (cabin)	103 dB(A)
Specified sound pressure level LpA (cabin)	74 dB(A)

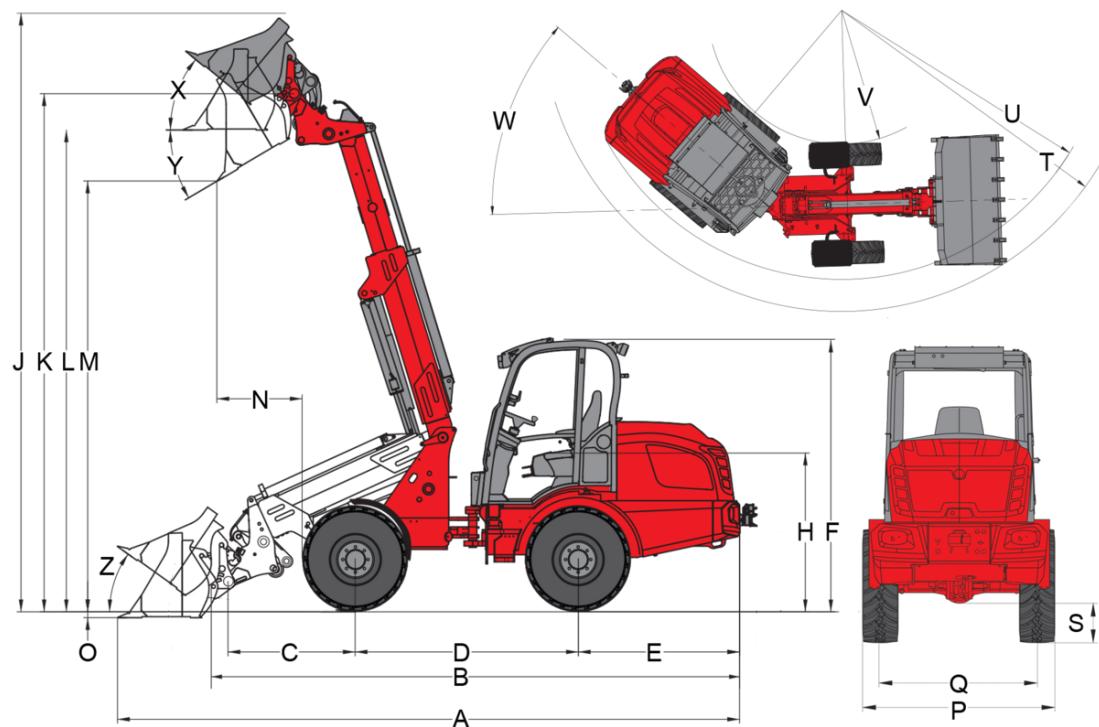
The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

## ■ 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)

Standard components	550/45-22.5 AS ETO
<b>A</b> Total length	244.1 in
<b>B</b> Total length without bucket	205.9 in
<b>C</b> Bucket pivot point (to center of axle)	49.2 in
<b>D</b> Wheel base	86.2 in
<b>E</b> Rear overhang	62.2 in
<b>F</b> Height with lowered operator's canopy	
Height with operator's canopy raised	
Height with cab lowered	
Height with cab raised	
Height with cab	105.9 in
<b>H</b> Seat height	63.8 in
<b>J</b> Total working height	231.9 in
<b>K</b> Bucket pivot point (max. lift height)	200.4 in
<b>L1</b> Load-over height telescopic arm retracted	
<b>L</b> Load-over height telescopic arm extended	185.8 in
Load-over height	
<b>M1</b> Dumping height telescopic arm retracted	
<b>M</b> Dumping height	
Dumping height telescopic arm extended	161.0 in
<b>N</b> Reach (at M)	31.5 in
<b>O</b> Digging depth	2.4 in
<b>P</b> Total width	77.6 in
<b>Q</b> Track width	56.0 in
<b>S</b> Ground clearance	15.0 in
<b>T</b> Maximum radius	176.0 in
<b>U</b> Radius on the outer edge	154.7 in
<b>V</b> Inner radius	72.8 in
<b>W</b> Articulation angle	42 °
<b>X</b> Rollback angle at max. lift height	37 °
<b>Y</b> Dumping angle	36 °
<b>Z</b> Rollback angle on ground	36 °

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