



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 ³
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
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Tank capacity for urea solution	5.02 US gal
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■ 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

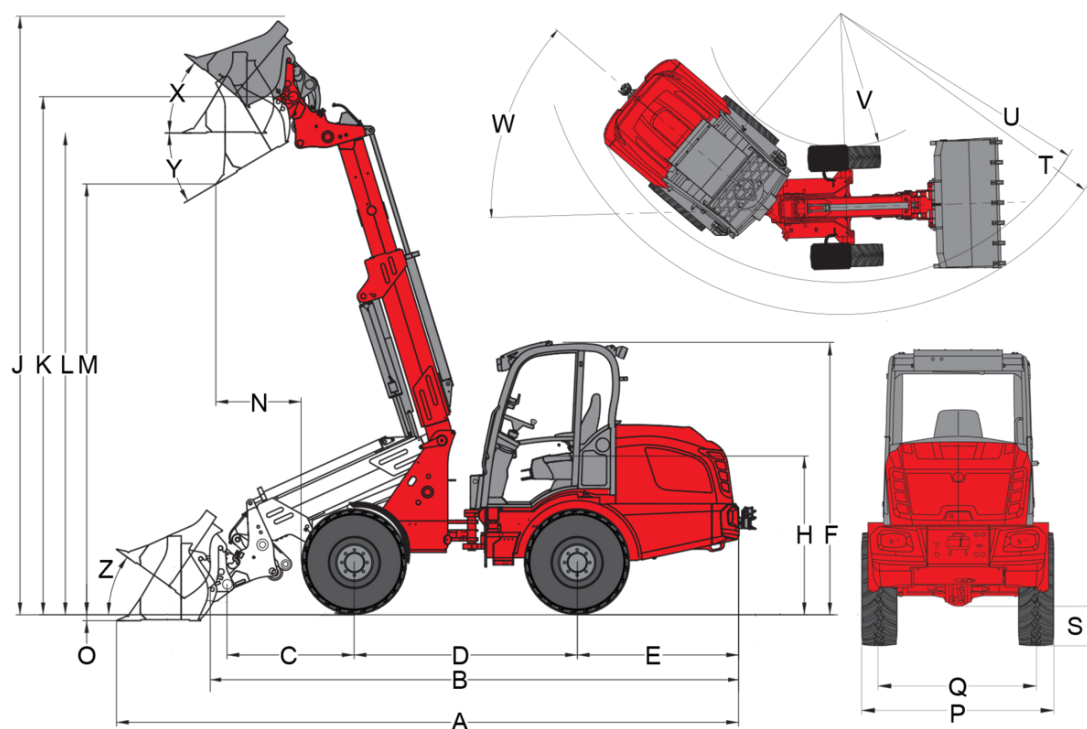
Average sound power level L _{WA} (cabin)	101.4 dB(A)
Guaranteed sound power level L _{WA} (cabin)	103 dB(A)
Specified sound pressure level L _{pA} (cabin)	74 dB(A)

■ 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)

	Standard components	550/45-22.5 AS ET0
A	Total length	244.1 in
B	Total length without bucket	205.9 in
C	Bucket pivot point (to center of axle)	49.2 in
D	Wheel base	86.2 in
E	Rear overhang	62.2 in
F	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
H	Seat height	63.8 in
J	Total working height	231.9 in
K	Bucket pivot point (max. lift height)	200.4 in
L1	Load-over height telescopic arm retracted	
L	Load-over height telescopic arm extended	185.8 in
	Load-over height	
M1	Dumping height telescopic arm retracted	
M	Dumping height	
	Dumping height telescopic arm extended	161.0 in
N	Reach (at M)	31.5 in
O	Digging depth	2.4 in
P	Total width	77.6 in
Q	Track width	56.0 in
S	Ground clearance	15.0 in
T	Maximum radius	176.0 in
U	Radius on the outer edge	154.7 in
V	Inner radius	72.8 in
W	Articulation angle	42 °
X	Rollback angle at max. lift height	37 °
Y	Dumping angle	36 °
Z	Rollback angle on ground	36 °