



9080 Wheel loaders

Technical Data

■ Standard engine data

Engine manufacturer	Deutz
Motor type	TCD 3.6 S5
Cylinder	4
Drive output	100 kW
Drive output	134.1 HP
at max. rpm	2,300 rpm
Cylinder capacity	220.97 in ³
Type of coolant	Water/charge air
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF/SCR

Tipping load with pallet fork –
machine pivoted, loading frame
horizontal

8,975 lb

■ Driver's cab

Driver's cab	Cab
Tank capacity for fuel	36.98 US gal
Tank capacity for hydraulic oil	33.02 US gal
Tank capacity for urea solution	3.17 US gal

■ Filling levels

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	3
Axle	PA 1900
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	Multi-disc brake on front axle acting on rear axle via universal joint shaft
Parking brake	Electro-hydraulic multi-disc brakes with spring suspension in the front axle acting on rear axle via articulated universal joint shaft
Differential lock	100 % front axle + rear axle

■ Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	3
Axle	PA 1900
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	Multi-disc brake on front axle acting on rear axle via universal joint shaft
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Differential lock	100 % front axle + rear axle

■ Hydraulic system

Drive hydraulics working pressure (max.)	6962 psi
Work hydraulics discharge volume (max.)	39,63 (47,55) gpm
Work hydraulics working pressure (max.)	3626 psi

■ Kinematics

Kinematics type	P
Lifting cylinder	2
Tipping cylinder	2
Quick change system	hydraulic

■ Electrical system

Operating voltage	12 V
Battery	185 Ah
Alternator	120 A

■ Kinematics

Operating weight	23,634 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	10,267 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	10,194 lb
Quick change system	hydraulic

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■ Steering

Steering type	Hydraulic articulated steering with oscillating axle
Steering cylinder	2
Oscillating angle of the rear axle	± 12 degree

Guaranteed sound power level LwA (cabin) 102 dB(A)

Specified sound pressure level LpA (cabin) 70 dB(A)

■ Other information

FSD = operator's canopy

DPF = diesel particulate filter

DOC = diesel oxidation catalyst

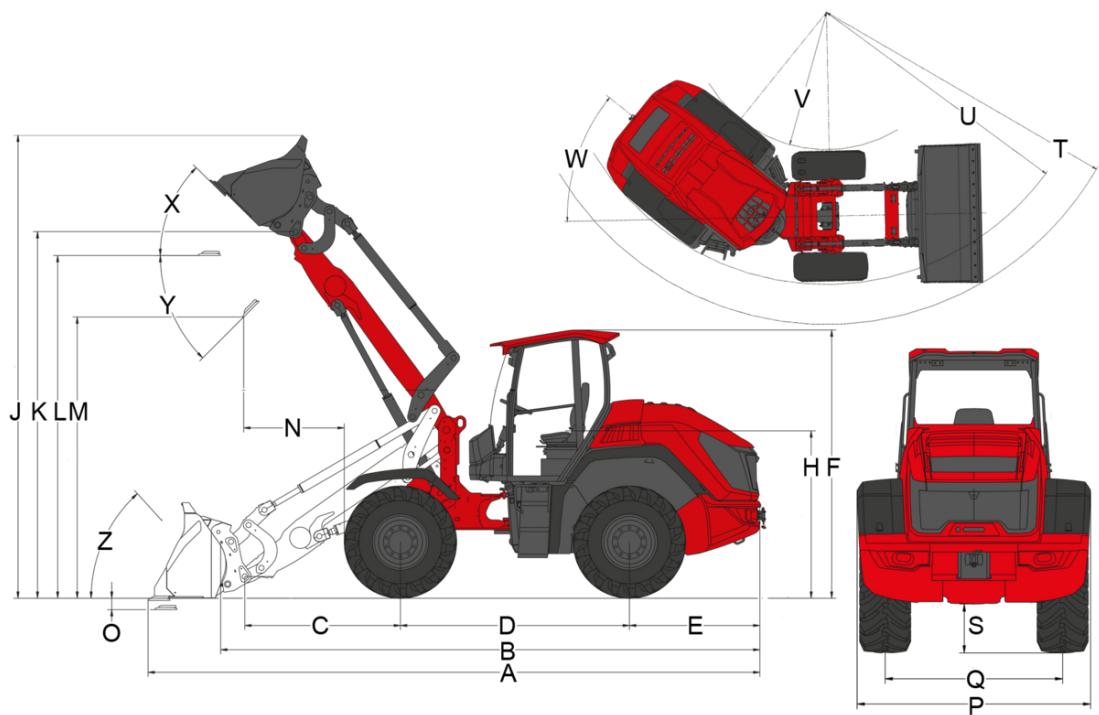
SCR = selective catalytic reduction

Tipping load calculation pursuant to ISO 14397

■ Noise characteristic values

Average sound power level LwA (cabin)	100.7 dB(A)
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Dimensions



Double P-kinematics (standard)

Standard components	500 / 70 R24 Michelin XMCL ET 40
A Total length	278.0 in
B Total length without bucket	246.9 in
C Bucket pivot point (to center of axle)	71.3 in
D Wheel base	104.7 in
E Rear overhang	59.8 in
F Height with operator's canopy (fixed)	
Height with fold-down operator's canopy (EPS)	
Height with fold-down operator's canopy (EPS), folded down	
Height with lowerable operator's canopy (EPS Plus), lowered	
Height with lowerable operator's canopy (EPS Plus)	
Height with lowered operator's canopy	
Height with operator's canopy raised	
Height with cab lowered	
Height with cab raised	
Height with cab	122.4 in
H Seat height	76.4 in
J Total working height	206.7 in
K Bucket pivot point (max. lift height)	167.7 in
L Load-over height	156.7 in
M Dumping height	129.9 in
N Reach (at M)	44.9 in
O Digging depth	5.4 in
P Total width	94.1 in
Q Track width	71.7 in
S Ground clearance	19.8 in
T Maximum radius	221.7 in
U Radius on the outer edge	192.9 in
V Inner radius	96.5 in
W Articulation angle	40 °
X Rollback angle at max. lift height	45 °
Y Dumping angle	45 °
Z Rollback angle on ground	48 °

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