



8180

Wheel Loader

An absolute maximum of performance.

With its extremely robust design and absolutely comfortable interior, the 8180 is one of the flagships of the 8-series premium range. The spacious cab with ergonomically arranged controls and the machine's performance leave nothing to be desired. The 115 kW powerful Deutz engine provides top-level performance.

Powerful engine: The 115 kW Deutz engine provides plenty of power.

ecospeedPRO transmission: A speed of up to 40 km/h with automatic speed regulation through the integrated Smart Driving.

Outstanding traction: The switchable 100% differential lock in the front axle and rear axle is best suited for muddy ground.

Comfort: The standard automatic climate control allows you to work comfortably even in extreme temperatures.

Interior: An integrated rearview camera on the 7-inch LCD display.

Technical Data

Standard engine data

Engine manufacturer	Deutz
Drive output	156 PS
Cylinder capacity	4,038 cm ³
Exhaust aftertreatment	DOC / DPF / SCR

Weights

Bucket content (standard bucket)	1.80 m ³
Payload (max.)	4,800 kg
Operating weight	11,050 - 11,220 kg
Payload (S=1.25)	4,800 kg
Payload (S=1.25 extended loader unit)	4,000 kg
Tipping load (standard bucket)	6,900 kg
Tipping load (pallet fork)	6,000 kg

Filling levels

Tank capacity for fuel	140 l
Tank capacity for hydraulic oil	125 l

Drive system

Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Travel speed Option 2	0-40 km/h

Hydraulic system

Work hydraulics discharge volume (max.)	180 l/min
Work hydraulics working pressure (max.)	250 bar

Kinematics

Kinematics type	PZ
-----------------	----

Steering

Steering angle max.	40 degree
---------------------	-----------

Noise characteristic values

Garantierter Schalleistungspegel LwA (Fahrschutzdach)	102 dB(A)
Measured sound power level LwA	100.7 dB(A)
Schalldruckpegel am Fahrerohr	70 dB(A)

Dimensions

A1	Total length with standard attachment	6,550 mm
A2	Gesamtlänge mit Standardanbaugerät / verlängerte Ladeanlage	6,995 mm
B1	Wheel base center	2,620 mm
C1	Rear overhang	1,520 mm
D3	Height with cab	3,010 mm
D10	Total height with rotating beacon	3,175 mm
E1	Max. height blade pivot point	3,760 mm
E2	Max. Höhe Schaufeldrehpunkt / verlängerte Ladeanlage	4,200 mm
F1	Load-over height	3,520 mm
F2	Überladehöhe / verlängerte Ladeanlage	3,950 mm
G1	Dumping height	2,695 mm
G2	Schütthöhe / verlängerte Ladeanlage	3,210 mm
H1	Dumping width	1,172 mm
H2	Schüttweite / verlängerte Ladeanlage	1,300 mm
I1	Digging depth	150 mm
J1	Total width	2,500 mm
J2	Track width	1,955 mm
K1	Ground clearance	445 mm
L1	Turning radius outer edge wheels	3,865 mm
M1	Steering angle	40 °
M2	Swing angle	24 °
N1	Dumping angle at max. lifting height	45 °
O1	Dumping angle at ground level	41.5 °
P1	Distance center front axle to tooth tip	2,607 mm
Q1	Bucket width	2,500 mm
R1	Stacking height	3,605 mm
R2	Stapelhöhe / verlängerte Ladeanlage	4,055 mm