





## The Kramer wheel loader with maximum performance

The high quality of the materials used make this machine extra heavy-duty on the one hand and very comfortable on the other. The spacious cabin is equipped with ergonomically arranged operator's controls. The machine's performance efficiency also leaves nothing to be desired. The 115 kW Deutz engine provides a lot of power.

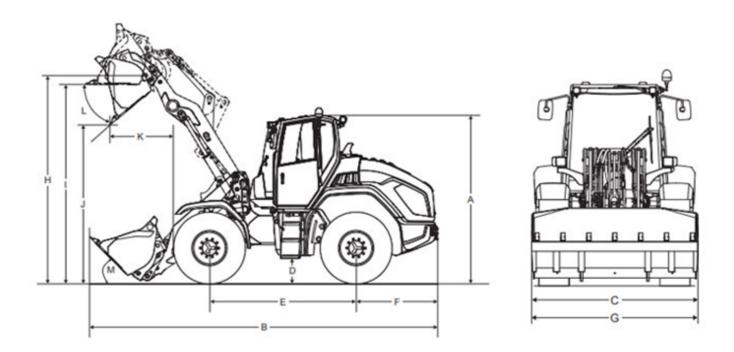
- The connectable 100% differential lock in the front and rear axle provides outstanding traction on muddy surfaces.
- This model is very simple to operate thanks to the hydrostatic drive
- The ecospeedPRO optionally provides 40 km/h. The integrated Smart Driving automatically regulates the rpm here
- The standard air-conditioning system also ensures you can work comfortably, even in extreme temperatures
- The rear-view camera is already integrated into the 7" LCD display

## 8180 Technical specifications

Operating	data
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Operating weight     11,050 kg       Engine / Motor       Engine / Motor manufacturer     Deutz       Engine performance (standard)     115 kW       Emission standards stage (standard)     V       Power transmission     Traction drive     Automotive continuously variable, hydrostatic axial piston drive       Travel speed     20 km/h       Travel speed     30 km/h       Driving speed (option)     40 km/h       Standard tires     5007/0824 Michelin BIBLOAD       Engine pangle     5007/0824 Michelin BIBLOAD       Max. steering angle     5007/0824 Michelin BIBLOAD       Max. pump discharge capacity     180 l/min       Max. pump pressure     250 bar       Kinematics     PZ-kinematics       Design system     PZ-kinematics       Tip-jung load (standard bucket)     6,900 kg       Payload     4,800 kg       Till-in angle     45°       Tip-out angle     45°       Filling capacities     120       Full tank     120       Hydraulic oil tank     125       DEF tank     120       Souranteed value     100.7 dlk/l       Kouaranteed value     100.7 dlk/l       Total wibrations value of the upper body extremities     < 2.5 m/s²	operating data	
Engine / Motor Engine / Motor manufacturer  Fower transmission  Traction drive Travel speed Tolory speed (option) Tolory	Bucket capacity	1.8 m³
Engine / Motor manufacturer         Deutz           Engine performance (standard)         115 kW           Emission standards stage (standard)         V           Power transmission           Traction drive         Automotive continuously variable, hydrostatic axial piston drive           Travel speed         20 km/h           Driving speed (option)         40 km/h           Standard tires         500/70R24 Michelin BIBLOAD           Differential lock         100 % front axie + rear axie           Max. steering angle         2x40 %           Steering and Operating hydraulics           Max. pump discharge capacity         180 l/min           Max. pump pressure         250 bar           Kinematics           Tipping load (standard bucket)         6,900 kg           Payload         4,800 kg           Till-in angle         45 %           Tip-out angle         45 %           Filling capacities           Fuel tank         100 l           Hydraulic oil tank         120 l           Type tank         120 l           Guaranteed value         100.7 dk/kg           Guaranteed value         100.7 dk/kg           Type tank         120 dk/kg	Operating weight	11,050 kg
Engine performance (standard) Emission standards stage (standard) Power transmission Traction drive Automotive continuously variable, hydrostatic axial piston drive Travel speed 20 km/h Travel speed 30 km/h Driving speed (option) 40 km/h Standard tires 5007/0R24 Michelin BIBLOAD Differential lock 100 % front axie + rear axie Max. steering angle 2440 °  Steering and operating hydraulics Max. pump discharge capacity 180 l/min Max. pump pressure 250 bar Kinematics Tipping load (standard bucket) 6,900 kg Payload 180 kg/min Tilti-in angle 45 ° Tilp-out angle 56 kg/min Tilti-in angle 45 ° Tilp-out angle 56 kg/min Tilti-in angle 56 kg/min Tilti-in angle 57 kg/min Tilti-in angle 58 kg/min Tilti-in angle 58 kg/min Tilti-in angle 58 kg/min Tilti-in angle 58 kg/min Full atak 140 kg/min Resured value 100.7 dB/M Resured value 100.7 dB/M Resured value 100.7 dB/M Rose level at the driver's ear 70 dB/M Vibrations Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² Total vibrations value of the upper body extremities 42.5 m/s² T	Engine / Motor	
Emission standards stage (standard)         V           Power transmission         Automotive continuously variable, hydrostatic axial piston drive fraction drive         Automotive continuously variable, hydrostatic axial piston drive fraction drive         Automotive continuously variable, hydrostatic axial piston drive fraction drive         Automotive continuously variable, hydrostatic axial piston drive fraction drive         Automotive continuously variable, hydrostatic axial piston drive fraction drive         Automotive continuously variable, hydrostatic axial piston drive fraction drive         Automotive continuously variable, hydrostatic axial piston drive         Automotive continuously axial piston drive         Automotive continuously variable, hydrostatic axial piston drive         Automotive continuously axial piston drive <t< td=""><td>Engine / Motor manufacturer</td><td>Deutz</td></t<>	Engine / Motor manufacturer	Deutz
Power transmission         Automotive continuously variable, hydrostatic axial piston drive           Traction drive         Automotive continuously variable, hydrostatic axial piston drive           Travel speed         20 km/h           Driving speed (option)         40 km/h           Standard tires         500/70224 Michelin BIBLOAD           Differential lock         100% front axle + rear axle           Max. steering angle         2x40°           Steering and operating hydraulics           Max. pump discharge capacity         180 l/min           Max. pump pressure         250 bar           Kinematics           Tipping load (standard bucket)         6,900 kg           Payload         75.900 kg           Payload         45°           Tip-out angle         45°           Filling capacities           Filling capacities         125           Fuel tank         140 l           Hydraulic oil tank         125           DEF tank         120 l           Sound emission           Measured value         100.7 dB(A)           Guaranteed value         102 dB(A)           Noise level at the driver's ear         70 dB(A)           Vibrations	Engine performance (standard)	115 kW
Traction drive Automotive continuously variable, hydrostatic axial piston drive Travel speed 20 km/h Travel speed 30 km/h Driving speed (option) 40 km/h Standard tires 500/70R24 Michelin BIBLOAD Differential lock 100 % front axle + rear axle Max. steering angle 2x40 %  Steering and operating hydraulics  Max. pump discharge capacity 180 l/min Max. pump gressure 250 bar  Kinematics Design system PZ-kinematics Tipping load (standard bucket) 6,900 kg Payload 510 kg Tilt-in angle 45 % Tip-out angle 45 % Tip	Emission standards stage (standard)	V
Travel speed         20 km/h           Travel speed         30 km/h           Driving speed (option)         40 km/h           Standard tires         500/70824 Michelin BIBLOAD           Differential lock         100 % front axle + rear axle           Max. steering angle         2x40 °           Steering and operating hydraulics           Max. pump discharge capacity         180 l/min           Max. pump pressure         250 bar           Kimmatics           Design system         PZ-kinematics           Tipping load (standard bucket)         6,900 kg           Payload         4,800 kg           Tilt-in angle         45 °           Tip-out angle         45 °           Filling capacities         125 l           Fuel tank         125 l           Hydraulic oil tank         125 l           DEF tank         125 l           Sound emission         12 l           Measured value         100 r dB(A)           Guaranteed value         100 r dB(A)           Noise level at the driver's ear         70 dB(A)           Vibrations         < 2.5 m/s²	Power transmission	
Travel speed         30 km/h           Driving speed (option)         40 km/h           Standard tires         500/70R24 Michelin BIBLOAD           Differential lock         100 % front axle + rear axle           Max. steering angle         2x40 °           Steering and operating hydraulics           Max. pump pressure         250 bar           Kinematics           Tipoling load (standard bucket)         6,900 kg           Payload         4,800 kg           Payload         45 °           Till-in angle         45 °           Till-out angle         45 °           Filling capacities         125           Filling capacities         125           Fuel tank         125           DEF tank         125           Sound emission         125           Measured value         100 rd dk(A)           Guaranteed value         100 rd dk(A)           Noise level at the driver's ear         70 dk(A)           Vibrations         < 2.5 m/s²	Traction drive	Automotive continuously variable, hydrostatic axial piston drive
Driving speed (option)         40 km/h           Standard tires         500/70R24 Michelin BIBLOAD           Differential lock         100 % front axle + rear axle           Max. steering angle         2x40 °           Steering and operating hydraulics           Max. pump discharge capacity         180 l/min           Max. pump pressure         250 bar           Kinematics           Design system         PZ-kinematics           Tipping load (standard bucket)         6,900 kg           Payload         45 °           Tip-out angle         45 °           Tip-out angle         45 °           Tip-out angle         45 °           Filling capacities         12 °           Fuel tank         140 °           Hydraulic oil tank         12 °           DEF tank         12 °           Sound emission         12 °           Measured value         100 °           Guaranteed value         100 °           Noise level at the driver's ear         70 °           Vibrations         2 5.5 m/s²	Travel speed	20 km/h
Standard tires         500/70R24 Michelin BIBLOAD           Differential lock         100 % front axle + rear axle           Max. steering angle         2x40 °           Steering and operating hydraulics           Max. pump discharge capacity         180 l/min           Max. pump pressure         250 bar           Kinematics           Design system         PZ-kinematics           Tipping load (standard bucket)         6,900 kg           Payload         45 °           Tip-out angle         45 °           Tip-out angle         45 °           Tip-out angle         45 °           Filling capacities         12 °           Fuel tank         100 °           Hydraulic oil tank         12 °           DEF tank         12 °           Sound emission         12 °           Measured value         100 °           Guaranteed value         100 °           Noise level at the driver's ear         70 °           Vibrations         < 2.5 m/s²	Travel speed	30 km/h
Differential lock100 % front axle + rear axleMax. steering angle2x40°Steering and operating hydraulicsMax. pump discharge capacity180 l/minMax. pump pressure250 barKinematicsDesign systemPZ-kinematicsTipping load (standard bucket)6,900 kgPayload4,800 kgTill-in angle45°Tip-out angle45°Filling capacities140 lFuel tank140 lHydraulic oil tank121 lDEF tank121 lSound emission100.7 dB(A)Measured value100.7 dB(A)Guaranteed value100.7 dB(A)Vibrations100.7 dB(A)Vibrations100.7 dB(A)Vibrations2.5 m/s²	Driving speed (option)	40 km/h
Max. steering angle2x40 or Steering and operating hydraulicsMax. pump discharge capacity180 l/minMax. pump pressure250 barKinematicsDesign systemPZ-kinematicsTipping load (standard bucket)6,900 kgPayload4,800 kgTilt-in angle45 °Tip-out angle45 °Filling capacitiesFuel tank140 lHydraulic oil tank12 lDEF tank12 lSound emissionMeasured value100.7 dB(A)Guaranteed value100.7 dB(A)Vibrations70 dB(A)Vibrations3 cTotal vibrations value of the upper body extremities< 2.5 m/s²	Standard tires	500/70R24 Michelin BIBLOAD
Steering and operating hydraulics           Max. pump discharge capacity         180 l/min           Max. pump pressure         250 bar           Kinematics           Design system         PZ-kinematics           Tipping load (standard bucket)         6,900 kg           Payload         4,800 kg           Tilt-in angle         45°           Tip-out angle         45°           Filling capacities           Fuel tank         140 ld           Hydraulic oil tank         125 ld           DEF tank         125 ld           Sound emission         120 ld           Measured value         100.7 dB(A)           Ouaranteed value val	Differential lock	100 % front axle + rear axle
Max. pump discharge capacity180 l/minMax. pump pressure250 barKinematicsDesign systemPZ-kinematicsTipping load (standard bucket)6,900 kgPayload4,800 kgTilt-in angle45°Tip-out angle45°Filling capacities***Fuel tank140 lHydraulic oil tank125 lDEF tank125 lSound emission***Measured value100.7 dB(A)Guaranteed value100.7 dB(A)Noise level at the driver's ear70 dB(A)Vibrations***Total vibrations value of the upper body extremities< 2.5 m/s²	Max. steering angle	2x40 °
Max. pump pressure 250 bar  Kinematics  Design system PZ-kinematics Tipping load (standard bucket) 6,900 kg Payload 4,800 kg Tilt-in angle 45° Tip-out angle 45° Tip-out angle 45° Tip-out angle 45° Tiple tank 140 kg Hydraulic oil tank 125 kg DEF tank 125 kg Sound emission  Measured value 100.7 dB(A) Guaranteed value 100.7 dB(A) Noise level at the driver's ear 70 dB(A) Vibrations  Total vibrations value of the upper body extremities < < 2.5 m/s²	Steering and operating hydraulics	
Kinematics Design system PZ-kinematics Tipping load (standard bucket) 6,900 kg Payload 4,800 kg Tilt-in angle 45° Tip-out angle 45° Tip-out angle 45° Filling capacities Fuel tank 140 kg Hydraulic oil tank 125 kg DEF tank 122 kg Sound emission Measured value 100.7 dB(A) Guaranteed value 100.7 dB(A) Noise level at the driver's ear 70 dB(A) Vibrations Total vibrations value of the upper body extremities < < 2.5 m/s²	Max. pump discharge capacity	180 l/min
Design systemPZ-kinematicsTipping load (standard bucket)6,900 kgPayload4,800 kgTilt-in angle45°Tip-out angle45°Filling capacitiesFuel tank140 kgHydraulic oil tank125 kgDEF tank12 kgSound emissionMeasured value100.7 dB(A)Guaranteed value100.7 dB(A)Noise level at the driver's ear70 dB(A)Vibrations42.5 m/s²Total vibrations value of the upper body extremities42.5 m/s²	Max. pump pressure	250 bar
Tipping load (standard bucket)  Payload  A,800 kg Tilt-in angle  Tip-out angle  Filling capacities  Fuel tank  Hydraulic oil tank  DEF tank  Sound emission  Measured value  Guaranteed value  Noise level at the driver's ear  Total vibrations value of the upper body extremities  6,900 kg 6,90	Kinematics	
Payload4,800 kgTilt-in angle45°Tip-out angle45°Filling capacitiesFuel tank140 lgHydraulic oil tank125 lgDEF tank12 lgSound emissionMeasured value100.7 dB(A)Guaranteed value102 dB(A)Noise level at the driver's ear70 dB(A)VibrationsTotal vibrations value of the upper body extremities< 2.5 m/s²	Design system	PZ-kinematics
Tilt-in angle Tip-out angle  Filling capacities  Fuel tank Hydraulic oil tank DEF tank  Sound emission  Measured value Guaranteed value Guaranteed value Noise level at the driver's ear  Total vibrations value of the upper body extremities  45 ° ° 45 ° ° 45 ° ° 45 ° ° 45 ° ° 45 ° ° 45 ° ° 45 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 46 ° ° 47 ° ° 48 ° °	Tipping load (standard bucket)	6,900 kg
Tip-out angle  Filling capacities  Fuel tank Hydraulic oil tank DEF tank  Sound emission  Measured value Guaranteed value Guaranteed value Noise level at the driver's ear  Total vibrations value of the upper body extremities  45°  140 cl	Payload	4,800 kg
Filling capacities  Fuel tank  Hydraulic oil tank  DEF tank  Sound emission  Measured value  Guaranteed value  Guaranteed value  Noise level at the driver's ear  Total vibrations value of the upper body extremities	Tilt-in angle	45 °
Fuel tank140 dHydraulic oil tank125 dDEF tank12 dSound emissionMeasured value100.7 dB(A)Guaranteed value102 dB(A)Noise level at the driver's ear70 dB(A)VibrationsTotal vibrations value of the upper body extremities< 2.5 m/s²	Tip-out angle	45 °
Hydraulic oil tank 125 decorated by the special part of the upper body extremities 125 m/s² decorated by the driver's ear 125 m/s² deco	Filling capacities	
DEF tank  Sound emission  Measured value  Guaranteed value  Noise level at the driver's ear  Vibrations  Total vibrations value of the upper body extremities  12 In the driver's ear  100.7 dB(A)	Fuel tank	140
Sound emissionMeasured value100.7 dB(A)Guaranteed value102 dB(A)Noise level at the driver's ear70 dB(A)VibrationsTotal vibrations value of the upper body extremities< 2.5 m/s²	Hydraulic oil tank	125
Measured value  Guaranteed value  100.7 dB(A)  Noise level at the driver's ear  70 dB(A)  Vibrations  Total vibrations value of the upper body extremities  102.7 dB(A)  70 dB(A)  70 dB(A)  70 dB(A)	DEF tank	12
Guaranteed value  Noise level at the driver's ear  Vibrations  Total vibrations value of the upper body extremities  102 dB(A)  70 dB(A)  **Comparison of the upper body extremities   102 dB(A)  **Co	Sound emission	
Noise level at the driver's ear 70 dB(A)  Vibrations  Total vibrations value of the upper body extremities < 2.5 m/s²	Measured value	100.7 dB(A)
Vibrations  Total vibrations value of the upper body extremities < 2.5 m/s²	Guaranteed value	102 dB(A)
Total vibrations value of the upper body extremities < 2.5 m/s <sup>2</sup>	Noise level at the driver's ear	70 dB(A)
	Vibrations	
Highest effective value of weighted acceleration for the body < 0.5 m/s <sup>2</sup>	Total vibrations value of the upper body extremities	< 2.5 m/s²
	Highest effective value of weighted acceleration for the body	< 0.5 m/s²

## 8180 Dimensions



Α	Height	3,010 mm
В	Length	6,550 mm
С	Width	2,500 mm
D	Ground clearance	445 mm
E	Wheelbase	2,626 mm
F	Center of rear axle to end of vehicle	1,520 mm
G	Bucket width	2,500 mm
Н	Bucket pivot point	3,760 mm
l	Overhead loading height	3,520 mm
J	Dumping height	2,695 mm
K	Dump reach	1,172 mm
	Turning radius	3,865 mm

Kramer wheel loader 8180 with standard loader unit

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.

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