8155

Wheel Loader

The powerful flagship.

The Kramer 8155 wheel loader consistently puts the customer's needs first. It impresses with well thought-out details and technical innovations, such as the 7-inch LCD display with integrated rear view camera or the automatic climate control and automatic bucket return. The ergonomics of the cab ensure efficient work and the powerful engine provides the necessary power for daily use.

Powerful engine: The Deutz TCD 3.6 engine powers the wheel loader with 100 kW and complies with exhaust stage V.

Tractor: An EU-wide tractor approval and trailer coupling with 1 t drawbar load ensure the strongest operations.

Comfortable workplace: The cab features ergonomically arranged controls.

Extended loader: A lifting height of up to 4.20 m with perfect visibility of the attachment at the same time.

Perfect all-rounder: The various hydraulic control circuits, an electric socket, a DIN signal socket, as well as an air brake and hydraulic brake provide a variety of options in the rear.

Technical Data

Standard engine data

Engine manufacturer	Deutz
Drive output	100 kW
Drive output	136 PS
Cylinder capacity	3,621 cm³
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF / SCR

Weights

Bucket capacity (standard bucket)	1.55 m³
Payload (max.)	4,200 kg
Operating weight	9,850 - 10,250 kg
Payload (S=1.25)	4,200 kg
Payload (S=1.25 extended loader unit)	3,800 kg
Tipping load (standard bucket)	6,100 kg
Tipping load (pallet fork)	5,250 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.)	150 l/min

Kinematics

Kinematics type	PZ

Steering

Steering angle max.	40 degree

Noise characteristic values

Guaranteed sound power level LwA (cabin)	102 dB(A)
Measured sound power level LwA	100.7 dB(A)
Sound pressure level at the operator's ear	70 dB(A)

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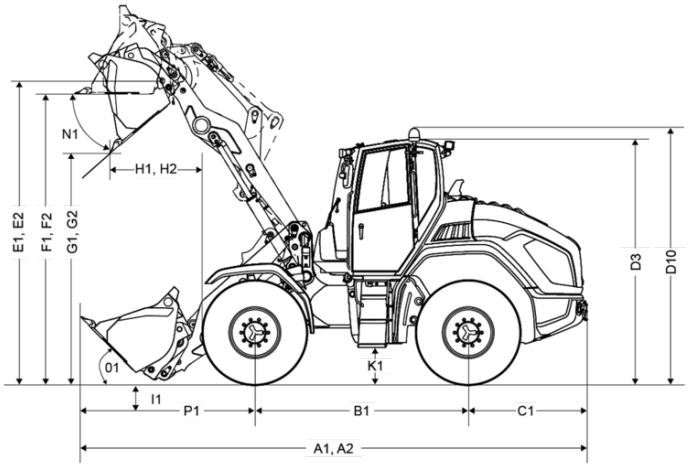
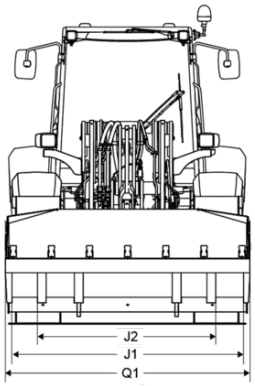
Dimensions





A1	Total length with standard attachment	6,450 mm
A2	extended loading system	6,970 mm
B1	Wheel base center	2,620 mm
C1	Rear overhang	1,520 mm
D3	Height with cab	3,010 mm
D10	Total height of cabin with rotating beacon	3,175 mm
E1	Max. height blade pivot point	3,760 mm
E2	Max. height of hinge pin height extended loading system	4,200 mm
F1	Load-over height	3,520 mm
F2	Load-over height extended loading system	3,950 mm
G1	Dumping height	2,725 mm
G2	extended loading system	3,237 mm
H1	Dumping width	1,085 mm
H2	Dumping range extended loading system	1,275 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	45 °
P1	Distance center front axle to tooth tip	2,310 mm
Q1	Bucket width	2,500 mm
R1	Stacking height	3,605 mm
R2	Stacking height extended loading system	4,055 mm

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Standard components

Cab

- Comfortable, spacious cabin
- Interior lighting with door contact switch; entrance and exit on both sides
- Cabin inspected according to ROPS and FOPS; windshield wipers front and rear, front and back with intermittent wipers
- Telescoping and adjustable tilting steering column
- Joystick console (fold-down)
- Mechanically-sprung operator's seat (MSG85/722) with automatic seat belt; weight, back and twin horizontal adjustment
- 7” LCD display with integrated rear-view camera
- Electronically pilot-operated multifunction joystick with integrated travel direction selector for use at night
- 3-stage powerful heating and ventilation and defroster nozzles on the windscreen
- Bluetooth radio with hands-free system
- Automatic air conditioning
- 12 V socket
- Sun blind with three different positions
- Work lights 4x LED Basic (1000 Lumen)
- Lighting according to road traffic regulations

Engine

- Battery disconnector switch
- Hydraulically reversible fan
- Four-part cooling system (hydraulic, charge air, cooling water cooler, air conditioning condenser)
- Wide-opening engine hood with rubber seal, sight glass for hydraulic oil level and cooling water

Power transmission

- Combined brake-inch pedal
- 100% self-locking differential connectible in front and rear axle
- Electro-hydraulic disc brakes with spring suspension in the front axle, also acting on the rear axle via the universal joint shaft
- Pendulum pin lubrication line

Steering and work hydraulics

- Hydrostatic all-wheel steering with emergency steering properties
- 3rd control circuit with proportional control and continuous function
- Pressure release of 3rd control circuit
- Oil volume for auxiliary control circuits can be set
- Floating position
- Automatic bucket retract mechanism

Drive system & Axles

- Automotive infinitely variable, hydrostatic axial piston transmission

Kinematics

- PZ-kinematics
- Hydraulic quick coupler according to ISO 23727 (Volvo TPV system)

Documentation

- Operator's manual, service manual

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Options

Cab

- Rotating beacon (yellow)
- LED rotating beacon (yellow)
- Lighting package (8 work lights – 4 x front, 2 x rear, 2 x side) – omission of standard work lights
- LED lighting package (8 work lights – 4 x front, 2 x rear, 2 x side) – omission of standard work lights
- Air-sprung operator's seat with lumbar support (MSG95AL/722)
- Air-sprung operator's seat with lumbar support and heated seat (MG95AL/722)
- Exterior mirrors electrically adjustable incl. mirror heating with automatic shut-off
- Cab incl. heated rear window (standard)
- Carbon filter
- Bracket for cell phone
- Control console holder on B-pillar
- Document box
- Auxiliary heating, including engine pre-heater, programmable

Drive system & steering

- Ecospeed PRO 40 km/h incl. Smart Driving (throttling to 30 km/h or 20 km/h possible ex works)
  - only in association with
    - Load stabilizer (vibration damper)
    - License plate illumination, including license plate bracket in front
- Ecospeed PRO 40 km/h incl. Smart Driving (throttled to 20 km/h)
  - only in association with
    - Load stabilizer (vibration damper)
    - License plate illumination, including license plate bracket in front
- Ecospeed PRO 40 km/h incl. Smart Driving (throttled to 30 km/h)
  - only in association with
    - Load stabilizer (vibration damper)
    - License plate illumination, including license plate bracket in front
- Low-speed device and hand throttle
- Accelerator pedal mode
  - only in association with
    - Low-speed device and hand throttle

Equipment for road traffic

- License plate illumination, including license plate bracket in front
- Data confirmation (ABE) for self-propelled working machine (standard) *
- EC certificate of conformity tractor (167/2013/EC - class T1)
  - only in association with
    - License plate illumination, including license plate bracket in front
    - Outlet for rear attachments, 7-pole
    - In addition, a ball hitch (not a maneuvering hitch) must be selected

* Germany, Luxembourg, Netherlands, Austria, Slovakia, Czech Republic, Switzerland, Estonia, Latvia, Lithuania, Hungary, Italy

Ball hitches & Brake systems

Recommended: EC Certificate of Conformity for tractors (167/2013/EC – Class T1)
In conjunction with an attachment coupling, a rear outlet must always be selected

- Automatic attachment coupling 38 mm – fixed to frame
- Bearing block for attachment couplings height-adjustable (insert for attachment coupling required)
- Automatic 38 mm attachment coupling insert for trailer mount height-adjustable
- Mechanical attachment coupling insert for trailer mount height-adjustable – 32 mm
- K50 ball hitch insert for trailer mount height-adjustable
- Dual-line air brake system
  - not with:
    - Hydrostatic 20 km/h incl. Smart Driving
- Hydraulic trailer brake valve
  - not with:
    - Hydrostatic 20 km/h incl. Smart Driving

Engine

- Engine Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
- Engine pre-heating, fuel, hydraulic oil (230 V)

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Quick change plates & Loading system

- Load stabilizer (vibration damper)
- Industrial loader unit (technical data and available attachments may differ) *
- Hydraulic quick coupler system, Kramer System HV/TH - L

* Due to the distance between the steering wheel and the front edge of the vehicle, driving with attachments on public roads is not permitted.

Hydraulics - General

- Gear pump with increased discharge volume 180 l/min
  - only in combination with:
    - Motor Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
- Filling of the hydraulic system with environmentally friendly and biodegradable hydraulic oil

Hydraulics - front area

- Powerflow 150 l/min
  - only in association with
    - Unpressurized return line, front, including overflow oil line
- Powerflow 180 l/min including hydraulic pump with increased flow rate 180 l/min
  - only in association with
    - Engine Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
    - Unpressurized return line, front, including overflow oil line
- 4. control circuit for front add-on equipment with 2nd hydraulic function, proportional
- Unpressurized return line, front, including overflow oil line
- Vibrating function tilt cylinder

Hydraulics - rear area

- Tipper connection
  - not with:
    - 2 double-acting connections at the rear
- Pressureless return line, rear
  - only in association with
    - 1 double-acting hydraulic connection rear, including tipper connection
- 2 double-acting connections at the rear
  - not with:
    - Tipper connection
    - 1 double-acting hydraulic connection rear, including tipper connection
    - Auto Hitch ball hitch (incl. hydr. control) and double-acting rear hydraulic connection including tipper connection
    - Auto Hitch ball hitch (incl. hydr. control) and tipper connection
- 1 double-acting hydraulic connection rear, including tipper connection
  - not with:
    - 2 double-acting connections at the rear

Electrical system

- Outlet for rear attachments, 7-pole
- Outlet for front add-on equipment, 7-pole (2 switch positions)
- Drive signal outlet, 7-pin

Safety options

- Reverse alarm (acoustic)
- Immobilizer system, integrated in the ignition switch key
- Hose burst valve for lifting and tilting cylinders
- Red/white warning stripes (in accordance with DIN 30710)
- EquipCare Dual ID (on request)
- Triangular marking plate
- Wrap protection for universal joint shaft
  - not with:
    - Powerflow 150 l/min
    - Powerflow 180 l/min including gear pump with increased discharge volume 180 l/min
- Protective measures against corrosive agents (salt and fertilizer)
- Fire extinguisher 2 kg
- Protection package Industry
  - includes:
    - Wrap protection for universal joint shaft
    - Protective guard for front windshield, removable (not approved for public road use)
    - Rear protective guards
    - Main front headlight protective guard
- Protective guard for front windshield, removable (not approved for public road use)

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Other

- Single-color RAL custom paint finish (gray parts not included)*
- (Fully automatic) central lubrication unit
- Central lubrication system (corrosive agents)
- Overseas transportation protection

* We reserve the right to decline paint finishes that exhibit similarities to protected colors or color combinations of other manufacturers

** Only for Germany – National regulations must be observed

Tires

- Michelin 500/70R24 XMCL – traction profile
- Michelin 500/70R24 Bibload – multi-purpose profile
- Michelin 540/70R24 XMCL – traction profile
- Michelin 540/70R24 Bibload – multi-purpose profile
- Alliance 600/55-26.5 331 (restricted steering angle: 35°) – traction profile
  - Required:
    - Red/white warning stripes (in accordance with DIN 30710)
    - EC Certificate of Conformity for tractors (167/2013/EC – Class T1)
    - Outlet for rear attachments, 7-pole
    - Ball hitch
- Nokian 540/70R24 TRI – municipal profile
- Firestone 500/70 R24 164 A8 Duraforce UT
- Trelleborg 500/70R24 TH500 ET+40
- Trelleborg 500/70R24 TH400 ET+50

Extended warranties

- Security 24 (2000 h)
- Security 36 (3000 h)
- Security 48 (3000 h)
- Security 48 (4000 h)
- Security 48 (5000 h)
- Security 60 (4000 h)
- Security 60 (5000 h)

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