



KL43.8

Wheel loaders

THE ROBUST HIGH-PERFORMANCE WHEEL LOADER

The wheel loader KL43.8 of the Kramer Premium Class represents modern technology, a high level of efficiency and comfort, and is equipped with the tried-and-tested principle of the one-piece frame. The optionally available ecospeed transmission combined with the tractor approval, as well as the trailer coupling and the large tires, enable efficient operation in any situation.

Increased lift height: The optionally long loading unit enables more in terms of loading and stacking heights

24-inch tires: Excellent smooth running, best traction and optimum load capacity

7-inch LCD display: The optional 7" display provides assistance systems and versatile application options, like joystick sensitivity and angle display

Smart Attach: Hydraulic attachments can be changed quickly, easily and safely thanks to the fully hydraulic quick-change plate fitted as standard

Fuel savings: The correct selection of the four driving modes (Power, Eco, Road, CSD) can save up to 10% fuel

Technical Data

Standard engine data

Engine manufacturer	Deutz
Drive output	55.4 kW
Drive output	75 PS
Cylinder capacity	2,924 cm ³
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF

Weights

Bucket capacity (standard bucket)	1.15 m ³
Payload (max.)	2,070 kg
Operating weight	5,700 - 6,500 kg
Payload (S=1.25)	2,900 kg
Tipping load (standard bucket)	4,250 kg
Tipping load (pallet fork)	3,625 kg

Filling levels

Tank capacity for fuel	120 l
Tank capacity for hydraulic oil	64 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
Differential lock	100 % front axle + rear axle

Hydraulic system

Work hydraulics discharge volume (max.)	80 l/min
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Kinematics

Kinematics type	P
Quick change system	Kramer HV/WL-L; includes Smart Attach

Steering

Steering angle max.	40 degree
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Noise characteristic values

Guaranteed sound power level L _{WA} (cabin)	101 dB(A)
Measured sound power level L _{WA}	98.8 dB(A)
Sound pressure level at the operator's ear	74 dB(A)

Dimensions



A2	extended loading system	5,878 mm
A1	Total length with standard attachment	5,878 mm
B1	Wheel base center	2,150 mm
C1	Rear overhang	1,620 mm
D3	Height with cab	2,690 mm
D6	Height with air-conditioning system	2,775 mm
D10	Total height with rotating beacon	2,965 mm
E1	Max. height blade pivot point	3,450 mm
E2	Max. height of hinge pin height extended loading system	3,680 mm
F1	Load-over height	3,200 mm
F2	extended loading system	3,470 mm
G1	Dumping height	2,650 mm
G2	extended loading system	2,990 mm
H1	Dumping width	660 mm
H2	extended loading system	450 mm
I1	Digging depth	95 mm
J1	Total width	1,970 mm
K1	Ground clearance	390 mm
L1	Turning radius outer edge wheels	3,000 mm
M1	Steering angle	40 °
M2	Swing angle	22 °
N1	Dumping angle at max. lifting height	45 °
O1	Dumping angle at ground level	50 °
P1	Distance center front axle to tooth tip	2,120 mm
Q1	Bucket width	2,150 mm
R1	Stacking height	3,280 mm
R2	extended loading system	3,510 mm
D8	Height with panoramic cab	2,730 mm
D9	Height with panoramic cab and air-conditioning system	2,775 mm

Standard components

Cab

- Soundproofed, vibration-insulated, 4-point cab with large, thermal insulation glazing deep-drawn and rear window heating
- Entry and exit on both sides
- Comfort seat with mechanical suspension (MSG85/722), with automatic seat belt, weight, backrest and two-fold horizontal adjustment
- 3-stage powerful heating and ventilation, and defroster nozzles on the front windscreen
- Colour-coded rocker switch for hydraulic, electric, driving and safety features
- Telescoping and adjustable tilting steering column
- Joystick console (fold-down)
- Sun visor, interior mirror, 12 V plug receptacle, cab light, large, foldable outside rear-view mirror on both sides
- Windscreen wipers front and back, front with intermittent wipers
- Working lights 2x LED basic rear, working lights 2x LED basic front (1000 Lm)
- StVZO (German road traffic regulations) lighting
- Tested according to ROPS and FOPS I

Engine

- Battery isolator switch
- Hydraulic fan drive
- Engine automatic stop

Power transmission

- Combined brake-inch pedal
- Connectible 100% lock differential in front and rear axle
- Mechanical parking brake
- Lubrication line for pendulum pins

Steering and work hydraulics

- Hydrostatic all-wheel steering with emergency steering properties
- Electronic pilot-operated joystick for lifting / lowering and filling / emptying the loader unit with rocker switch for selecting the travel direction as well as integrated 3rd control circuit (proportional control) and functional lighting integrated into the joystick
- Pressure release of 3rd control circuit

Kinematics

- Smart Attach (fully-hydraulic quickhitch facility)
- Parallel kinematics
- Load hook on the tilt rod
- Visual position display for bucket and fork

Documentation

- Operator's manual, service manual

Options

Operator's cab & Cabine

- Cab with in left-hand door window
- Panorama cab
- Air-suspension operator seat with lumbar support and heated seat (MSG95AL/722)
- Auxiliary heating
- Outside rear-view mirror right + left heated
- Air-conditioning system
 - only in conjunction with:
 - Panorama cab
- Document box
- Radio preparation DAB+ (aerial, loudspeakers)
- Radio system with DAB+ reception (radio BT, aerial, loudspeakers)
- 7" inch display + Jog Dial (incl. angle indicator, oil volume setting, automatic load stabiliser setting, tractive force control, Joystick sensitivity)
- Holder for mobile phone + USB plug receptacle
- Rear-view camera
 - only in conjunction with:
 - 7" inch display + Jog Dial (incl. angle indicator, oil volume setting, automatic load stabiliser setting, tractive force control, Joystick sensitivity)

Lighting

- LED rotating beacon
- Working lights 4x LED basic front (1000 Lm)
- Working lights 2x LED basic laterally mounted (1000 Lm)

Approval, road traffic

- Number plate bracket (incl. number plate illumination)
 - contains:
 - Numberplate light
 - Front rear number plate bracket
- Tail and side lights for optional buckets incl. side marker lights
- Data confirmation (General Certification for Vehicles (Germany)) for self-propelled work machines (standard)*
- EC tractor CoC (LOF-ZGM-EC approval, 2003/37EC - Category T1) without data confirmation
 - only in conjunction with:
 - Number plate bracket (incl. number plate illumination)
 - 7-pole rear plug receptacle
 - In addition, a trailer coupling (not a shunting coupling) must be chosen!
- EC-Tractor CoC (LOF-ZGM-EC approval, 2003/37EC - Category T1) + Data confirmation - only for Germany
 - only in conjunction with:
 - Number plate bracket (incl. number plate illumination)
 - 7-pole rear plug receptacle
 - In addition, a trailer coupling (not a shunting coupling) must be chosen!

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

Drive system & steering

- Engine with higher output (Deutz TCD 3.6 74 kW/100 HP) - exhaust emission level V
- Reversible fan motor
- Automatic engine stop (standard)
- ecospeed 40 km/h including Smart Driving
 - only in conjunction with:
 - Engine with higher output (Deutz TCD 3.6 74 kW/100 HP) - exhaust emission level V
 - Number plate bracket (incl. number plate illumination)
 - Load stabiliser (vibration damper)
- Ecospeed 40 km/h, including Smart Driving (throttled to 30 km/h)
 - only in conjunction with:
 - Engine with higher output (Deutz TCD 3.6 74 kW/100 HP) - exhaust emission level V
 - Number plate bracket (incl. number plate illumination)
 - Load stabiliser (vibration damper)
- Ecospeed 40 km/h, including Smart Driving (throttled to 20 km/h)
 - only in conjunction with:
 - Engine with higher output (Deutz TCD 3.6 74 kW/100 HP) - exhaust emission level V
 - Number plate bracket (incl. number plate illumination)
 - Load stabiliser (vibration damper)
- ecospeed 30 km/h including Smart Driving
 - only in conjunction with:
 - Number plate bracket (incl. number plate illumination)
 - Load stabiliser (vibration damper)
 - not with
 - Engine with higher output (Deutz TCD 3.6 74 kW/100 HP) - exhaust emission level V
- Operating mode Power/Eco/Road/Pedal mode (incl. low-speed control & hand throttle)
- Steering mode Smart Steering
 - only in conjunction with:
 - 7" inch display + Jog Dial (incl. angle indicator, oil volume setting, automatic load stabiliser setting, tractive force control, Joystick sensitivity)

Tires

Not possible with EC tractor CoC (LOF-ZGM-EC approval, 2003/37EC - Category T1)

- Mitas 405/70 R24 EM 01 - Multi-purpose tread, directionally independent
- Continental 365/80 R20 MPT81 - Municipal tread, directionally independent

Tires for EC tractor

Required for EC tractor CoC (LOF-ZGM-EC approval, 2003/37EC - Category T1)

- Mitas 16/70-20 MPT-04 ET0 - Construction machine tread
- Mitas 405/70-24 MPT-04 - Construction machine tread (standard)
- Michelin 400/70R20 BIBLOAD – Multipurpose tread
- Michelin 400/70 R24 XMCL ET0
- Nokian 420/65 R24 TRI 2 - Communal tread (N.B. - no digging depth - reduced steering angle)
- Firestone 400/70 R20 Duraforce

Loading system & Quick coupler system

- Load stabiliser (vibration damper)
- Loader unit with increased lift height (reduced payload and bucket capacity as required)
- Floating position
- Smart Attach (fully hydraulic quickhitch facility); Kramer system HV/WL–L (standard)
- Hydraulic quick coupler system, Volvo "Z" system (technical data and available attachments other than indicated)
 - Not with:
 - Loader unit with increased lift height (reduced payload and bucket capacity as required)

Hydraulics

- Pre-heating package
 - contains:
 - Hydraulic oil pre-heating (230 V)
 - Coolant pre-heating (230V)
 - Fuel pre-heating (230 V)
- Hydraulic oil PANOLIN HLP Synt46 Bio

Hydraulics - front area

- Reflux line front unpressurised reflux + leak oil
- Highflow; including 1 dual-acting control circuit for feed movements pertaining to the attachment, leakage oil line and unpressurised reflux
 - Recommended:
 - 7-pole front plug receptacle (2 positions)
 - Operating mode Power/Eco/Road/Pedal mode (incl. low-speed control & hand throttle)
- Automatic bucket return
 - only in conjunction with:
 - 7" inch display + Jog Dial (incl. angle indicator, oil volume setting, automatic load stabiliser setting, tractive force control, Joystick sensitivity)
- Shake out function (tilt cylinder vibratory function)
 - only in conjunction with:
 - Automatic bucket return
 - 7" inch display + Jog Dial (incl. angle indicator, oil volume setting, automatic load stabiliser setting, tractive force control, Joystick sensitivity)
- 4. control circuit for front attachments with 2nd hydraulic function, proportional
- Tilt cylinder and lowering speed control valve for preparing the working platform (ex works only, cannot be retrofitted)
 - only in conjunction with:
 - Hose burst valves for lift and tipping cylinders

Hydraulics - rear area

- Additional control circuit for tipper (tipping trailer connection)
- Additional control circuit for tipper (for rear attachments, single-acting) including unpressurised reflux

Electrical system

- 7-pole rear plug receptacle
- 13-pole rear plug receptacle
- 7-pole front plug receptacle (2 positions)
- Rear plug receptacle (DIN signal plug receptacle)
- Front plug receptacle (30A)

Safety options

- Hose burst valves for lift and tipping cylinder (standard)
- Reversing alarm (acoustic)
- Red / white warning stripes (according to DIN 30710)
- Triangular warning sign
- Red/white warning stripes (as per DIN 30710) incl. triangular warning sign
- EquipCare + Dual ID
 - Not with:
 - Drive interlock integrated in ignition switch key
- Drive interlock integrated in ignition switch key
 - Not with:
 - EquipCare + Dual ID
- Fire extinguisher (2 kg)
- Seat belt monitoring (seat belt alert)
- Orange safety belt (standard)
 - Not with:
 - Air-suspension operator seat with lumbar support and heated seat (MSG95AL/722)

Paint

- Single-colour custom-made paint finish as per RAL (grey parts are not included)**
 - Vehicle utilisation aggressive media (salt and fertiliser applications)
- ** We reserve the right to decline paints similar to protected colours or colour combinations by other manufacturers!

Other

- Central lubrication system (fully automatic)
 - Not with:
 - Vehicle utilisation aggressive media (salt and fertiliser applications)
- Central lubrication unit (aggr. media)
 - recommended with:
 - Vehicle utilisation aggressive media (salt and fertiliser applications)
- Centralised grease point
- Set of tools
- Combination case (first aid kit, warning triangle, reflective vest)

Ball hitches & Brake systems

- Ball coupling trailer coupling (K50) - solid frame
- Automatic ball hitch 38 mm - frame fixed
- Mechanical trailer coupling 32 mm - solid frame
- Variable height bulkhead for trailer couplings (insert for trailer coupling required)
- Automatic trailer coupling insert, variable height for trailer mounting, 38 mm
- K50 variable height ball coupling insert for trailer bock, only suitable for height adjustable drawbars
- K50 variable height ball hitch insert for trailer bock extended
- Mechanical trailer coupling insert, variable height for 32 mm trailer bock
- Pneumatic trailer brake valve
 - only in conjunction with:
 - ecospeed 40 km/h including Smart Driving
 - or
 - Ecospeed 40 km/h, including Smart Driving (throttled to 30 km/h)
 - or
 - Ecospeed 40 km/h, including Smart Driving (throttled to 20 km/h)
- Hydraulically activated trailer brake valve
 - only in conjunction with:
 - ecospeed 40 km/h including Smart Driving
 - or:
 - Ecospeed 40 km/h, including Smart Driving (throttled to 30 km/h)
 - or:
 - Ecospeed 40 km/h, including Smart Driving (throttled to 20 km/h)

To operate a trailer with the corresponding support load, a front ballast weight is required.

Extended warranties

- Security 24 (2000 h)
- Security 36 (3000 h)
- Security 48 (4000 h)
- Security 60 (5000 h)
- Power-Line (24 months or 2000 hrs)
- Power-Line (36 months or 3000 hrs)
- Power-Line (48 months or 4000 hrs)
- Power-Line (60 months or 5000 hrs)